Appendix C

Air Quality

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Construction Emissions

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Al Larson Boat Shop Improvement

Proposed Project

CEQA Impacts

Table 1. Peak Daily Construction Emissions by Phase

Construction	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Phase 1	25	98	258	0	13	10
Phase 2	89	349	997	1	72	47
Phase 3	31	126	303	0	23	15
SCAQMD Threshold	**75**	**550**	**100**	**150**	**150**	**55**
Exceed Threshold?						
Phase 1	No	No	Yes	No	No	No
Phase 2	Yes	No	Yes	No	No	No
Phase 3	No	No	Yes	No	No	No

Table 4. Construction GHG Emissions by Phase

Construction	CO2	CH4	N2O	CO2e
	tpy	tpy	tpy	tpy
Phase 1	492	0.04	0.00	493
Phase 2	556	0.03	0.00	557
Phase 3	623	0.06	-	624
Total	**1,672**	**0.13**	**0.00**	**1,675**

Phase 1 Construction (2011)

Unmitigated

	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Demolish 200' creosote timber wharf	**5**	**21**	**43**	**0**	**2**	**2**
Demolish buildings D, C1, & H1	**3**	**13**	**18**	**0**	**1**	**1**
Install 24" Octagonal Prestressed Concrete Piles	**6**	**24**	**70**	**0**	**3**	**2**
Construct finger piers	**6**	**24**	**72**	**0**	**3**	**2**
Install owner furnished 600 ton travel lift	**3**	**12**	**34**	**0**	**1**	**1**
F & I steel sheet pile wall (CDF Cell #1)	**4**	**15**	**45**	**0**	**2**	**1**
Dredge to elevation -22	**9**	**35**	**98**	**0**	**4**	**3**
Stabilize dredge material	**7**	**28**	**70**	**0**	**3**	**3**
Dispose of Dredge material into CDF #1	**6**	**22**	**60**	**0**	**3**	**2**
Import clean soil to bring upland elevation to street level	**6**	**25**	**56**	**0**	**4**	**3**
Storm Water System w/ oil-water separator	**3**	**14**	**21**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**4**	**17**	**27**	**0**	**2**	**2**
Grading	**6**	**26**	**47**	**0**	**7**	**3**
Paving	**3**	**14**	**21**	**0**	**2**	**1**
Lighting Improvements	**2**	**9**	**14**	**0**	**1**	**1**
Service Truck (Small Deliveries, Port-a-Potties, Utilities)	**0**	**0**	**1**	**0**	**0**	**0**
Total	73	296	699	1	39	29
Peak Daily Construction -->	25	98	258	0	13	10
Marine	19	73	200	0	2	7
Civil	6	25	57	0	9	3
Building Demolition	-	-	-	-	-	-

	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Phase 2 Construction						
Demolish finger piers	**4**	**15**	**28**	**0**	**2**	**1**
Dredge to elevation -22	**9**	**35**	**98**	**0**	**4**	**3**
Stabilize dredge material	**7**	**28**	**72**	**0**	**3**	**3**
Dispose of Dredge material into CDF #1	**6**	**22**	**60**	**0**	**3**	**2**
F & I steel sheet pile wall (CDF Cell #2)	**4**	**15**	**45**	**0**	**2**	**1**
Demolish building H2	**2**	**12**	**18**	**0**	**1**	**1**
Import clean soil to bring upland elevation to cell elevation and Trench b	**3**	**13**	**21**	**0**	**1**	**1**
Storm Water System w/ oil-water separator	**3**	**14**	**21**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**73**	**287**	**851**	**1**	**65**	**41**
Grading	**6**	**26**	**47**	**0**	**7**	**3**
Paving	**3**	**13**	**20**	**0**	**1**	**1**
Lighting Improvements	**2**	**9**	**14**	**0**	**1**	**1**
Service Vehicles and Deliveries	**0**	**0**	**1**	**0**	**0**	**0**
Total	123	489	1,297	2	92	61
Peak Daily Construction -->	89	349	997	1	72	47
Marine	13	49	126	0	2	5
Civil	74	287	852	1	73	41
Building Demolition	2	12	18	0	1	1
Phase 3 Construction						
Demolish buildings A2 & A3	**3**	**13**	**18**	**0**	**1**	**1**
Import clean soil to bring upland elevation to street level, trench backfil	**5**	**21**	**44**	**0**	**3**	**2**
Storm Water System w/ oil-water separator	**3**	**14**	**21**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**19**	**77**	**214**	**0**	**16**	**11**
Grading	**6**	**26**	**47**	**0**	**7**	**3**
Paving	**3**	**13**	**20**	**0**	**1**	**1**
Lighting Improvements	**2**	**8**	**14**	**0**	**1**	**1**
Existing Utility Protection	**2**	**8**	**14**	**0**	**1**	**1**
Construct Buildings to replace buildings A2, A3, C1, & D	**7**	**28**	**56**	**0**	**4**	**3**
Service Vehicles and Deliveries	**0**	**0**	**1**	**0**	**0**	**0**
Total	50	208	449	1	36	24
Peak Daily Construction -->	31	126	303	0	23	15
Marine	-	-	-	-	-	-
Civil	21	89	169	0	15	9
Building Demolition	-	-	-	-	-	-

Al Larson Boat Shop Improvement

Proposed Project

Mitigated CEQA Impacts - Tier 3 Dredge

Table 3. Peak Daily Construction Emissions by Phase

Construction	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Phase 1	19	86	213	0	10	8
Phase 2	32	160	406	1	38	16
Phase 3	12	82	130	0	9	7
SCAQMD Threshold	**75**	**550**	**100**	**150**	**150**	**55**
Exceed Threshold?						
Phase 1	No	No	Yes	No	No	No
Phase 2	No	No	Yes	No	No	No
Phase 3	No	No	Yes	No	No	No

Phase 1 Construction (2011) Mitigated - Tier 3 Dredge

	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Demolish 200' creosote timber wharf	**3**	**20**	**36**	**0**	**2**	**2**
Demolish buildings D, C1, & H1	**2**	**12**	**17**	**0**	**1**	**1**
Install 24" Octagonal Prestressed Concrete Piles	**5**	**24**	**65**	**0**	**3**	**2**
Construct finger piers	**6**	**24**	**72**	**0**	**3**	**2**
Install owner furnished 600 ton travel lift	**3**	**12**	**34**	**0**	**1**	**1**
F & I steel sheet pile wall (CDF Cell #1)	**4**	**15**	**43**	**0**	**2**	**1**
Dredge to elevation -22	**8**	**35**	**96**	**0**	**4**	**3**
Stabilize dredge material	**7**	**27**	**69**	**0**	**3**	**3**
Dispose of Dredge material into CDF #1	**6**	**22**	**60**	**0**	**3**	**2**
Import clean soil to bring upland elevation to street leve	**1**	**13**	**19**	**0**	**1**	**1**
Storm Water System w/ oil-water separator	**2**	**13**	**16**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**1**	**15**	**19**	**0**	**1**	**1**
Grading	**2**	**26**	**35**	**0**	**2**	**2**
Paving	**2**	**13**	**17**	**0**	**1**	**1**
Lighting Improvements	**1**	**9**	**9**	**0**	**1**	**0**
Service Truck (Small Deliveries, Port-a-Potties, Utilities)	**0**	**0**	**0**	**0**	**0**	**0**
Total	53	281	608	1	30	24
Peak Daily Construction -->	19	86	213	0	10	8
Marine	17	73	194	0	8	7
Civil	1	13	19	0	1	1
Building Demolition	-	-	-	-	-	-

	VOC	CO	NOx	SOx	PM10	PM2.5
	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Phase 2 Construction						
Demolish finger piers	**3**	**15**	**28**	**0**	**2**	**1**
Dredge to elevation -22	**8**	**35**	**96**	**0**	**4**	**3**
Stabilize dredge material	**7**	**27**	**69**	**0**	**3**	**3**
Dispose of Dredge material into CDF #1	**6**	**22**	**60**	**0**	**3**	**2**
F & I steel sheet pile wall (CDF Cell #2)	**4**	**15**	**43**	**0**	**2**	**1**
Demolish building H2	**2**	**12**	**17**	**0**	**1**	**1**
Import clean soil to bring upland elevation to cell elevati	**1**	**13**	**18**	**0**	**1**	**1**
Storm Water System w/ oil-water separator	**2**	**13**	**16**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**18**	**99**	**263**	**1**	**31**	**10**
Grading	**2**	**26**	**35**	**0**	**2**	**2**
Paving	**2**	**13**	**16**	**0**	**1**	**1**
Lighting Improvements	**1**	**9**	**9**	**0**	**1**	**0**
Service Vehicles and Deliveries	**0**	**0**	**0**	**0**	**0**	**0**
Total	55	298	673	2	52	27
Peak Daily Construction -->	32	160	406	1	38	16
Marine	12	49	125	0	6	5
Civil	18	99	264	1	31	10
Building Demolition	2	12	17	0	1	1
Phase 3 Construction						
Demolish buildings A2 & A3	**2**	**12**	**17**	**0**	**1**	**1**
Import clean soil to bring upland elevation to street leve	**2**	**15**	**25**	**0**	**2**	**1**
Storm Water System w/ oil-water separator	**2**	**13**	**16**	**0**	**1**	**1**
Soil Export and Asphalt Removals	**1**	**11**	**15**	**0**	**1**	**1**
Grading	**2**	**26**	**35**	**0**	**2**	**2**
Paving	**2**	**13**	**16**	**0**	**1**	**1**
Lighting Improvements	**1**	**8**	**9**	**0**	**1**	**0**
Existing Utility Protection	**1**	**8**	**9**	**0**	**1**	**0**
Construct Buildings to replace buildings A2, A3, C1, & D	**7**	**27**	**53**	**0**	**4**	**3**
Service Vehicles and Deliveries	**0**	**0**	**0**	**0**	**0**	**0**
Total	18	135	197	0	14	10
Peak Daily Construction -->	12	82	130	0	9	7
Marine	-	-	-	-	-	-
Civil	12	82	130	0	9	7
Building Demolition	-	-	-	-	-	-

Al Larson Boat Shop Upgrade																			
	Marine Work																		
	Site Civil Work																		
	Building Demolition																		
				Duration	Number				Offroad	Offroad	Emission Factors								
Item	Description	Quantity		Work	of	Major Equipment	Equipment	Hours/day or	Equipment	HP	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
				Days	Workers		#	Miles/rountrip	Category	*	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi
Phase 1 Construction (2011)																			
1			SF	20	10														
	Demolish 200' creosote timber wharf			20		Derrick Barge	1	8.0	Cranes	195	0.5939	0.2122	2.0886	0.0023	0.0776	0.0714	203	0.0192	-
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				20		Vibratory Hammer	1	8.0	Crushing/Proc. Equipment	175	2.5113	0.5786	4.5371	0.0049	0.2649	0.2437	433	0.0522	-
				20		Track Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
	Added by CDM			20		Haul Trucks	1	85.6	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
2	**Demolish buildings D, C1, & H1**	3	each	60	10														
				60		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3560	2.6835	0.0033	0.1622	0.1493	291	0.0321	-
				60		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				60		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				60		Demolition Dust													
				60		Workers	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
3	**Install 24" Octagonal Prestressed**	63	each	15	7														
	Concrete Piles			15		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				15		Flat Barge - Deck Winch	1	8.0	Hoist/swing/winch	120	1.2740	0.2947	2.3377	0.0025	0.1340	0.1233	220	0.0266	-
				15		Flat Barge - Generator 1	1	8.0	Generator Sets	229	0.8524	0.2688	3.5118	0.0043	0.1011	0.0930	385	0.0243	-
				15		Flat Barge - Generator 2	1	8.0	Generator Sets	90	1.9272	0.4070	3.6241	0.0041	0.1796	0.1653	368	0.0367	-
				15		Pile-driving Hammer	1	8.0	Generator Sets	190	0.8524	0.2688	3.5118	0.0043	0.1011	0.0930	385	0.0243	-
				15		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
4	**Construct finger piers**	2	each	20	10														
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				20		Generator Sets	1	8.0	Generator Sets	500	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-
				20		Air Compressors	1	8.0	Air Compressors	500	0.5588	0.1641	1.8633	0.0021	0.0618	0.0569	210	0.0148	-
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
5	**Install owner furnished 600 ton travel lift**	1	each	5	7														
				5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				5		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
5b	**Install owner furnished 100 ton travel lift**	1	each	5	7														
	Added by CDM			5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
	Added by CDM			5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
	Added by CDM			5		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
6	**F & I steel sheet pile wall (CDF Cell #1)**		LF	20	10														
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				20		Pile-driving Hammer	1	8.0	Generator Sets	190	0.8524	0.2688	3.5118	0.0043	0.1011	0.0930	385	0.0243	-
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		

Al Larson Boat Shop Upgrade																			
	Marine Work																		
	Site Civil Work																		
	Building Demolition																		
		Emissions									Emissions								
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
Phase 1 Construction (2011)																			
1																			
	Demolish 200' creosote timber wharf	2.04	0.73	7.18	0.01	0.27	0.25	699	0.07	-	0.02	0.01	0.07	0.00	0.00	0.00	7	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		7.75	1.79	14.00	0.02	0.82	0.75	1,337	0.16	-	0.08	0.02	0.14	0.00	0.01	0.01	13	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.05	0.01	0.09	0.00	0.01	0.00	8	0.00	-
	Added by CDM	0.92	0.24	2.79	0.00	0.21	0.13	361	0.01	-	0.01	0.00	0.03	0.00	0.00	0.00	4	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-
		21	***5***	***43***	***0***	***2***	***2***	***4,674***	***0***	***-***	***0.21***	***0.05***	***0.43***	***0.00***	***0.02***	***0.02***	***47***	***0.00***	***-***
2	**Demolish buildings D, C1, & H1**																		
		5.35	1.10	8.28	0.01	0.50	0.46	897	0.10	-	0.16	0.03	0.25	0.00	0.02	0.01	27	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.15	0.03	0.26	0.00	0.02	0.01	25	0.00	-
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.01	0.00	0.04	0.00	0.00	0.00	5	0.00	-
						0.04	-								0.00	-			
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.06	0.01	0.00	0.00	0.01	0.00	8	0.00	-
		13	***3***	***18***	***0***	***1***	***1***	***2,185***	***0***	***-***	***0.38***	***0.08***	***0.55***	***0.00***	***0.04***	***0.03***	***66***	***0.01***	***-***
3	**Install 24" Octagonal Prestressed Concrete Piles**	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.05	0.02	0.18	0.00	0.01	0.01	19	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.01	0.08	0.00	0.00	0.00	9	0.00	-
		2.70	0.62	4.95	0.01	0.28	0.26	466	0.06	-	0.02	0.00	0.04	0.00	0.00	0.00	3	0.00	-
		3.44	1.09	14.18	0.02	0.41	0.38	1,556	0.10	-	0.03	0.01	0.11	0.00	0.00	0.00	12	0.00	-
		3.06	0.65	5.75	0.01	0.29	0.26	584	0.06	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		2.86	0.90	11.77	0.01	0.34	0.31	1,291	0.08	-	0.02	0.01	0.09	0.00	0.00	0.00	10	0.00	-
		1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		24	***6***	***70***	***0***	***3***	***2***	***7,834***	***1***	***-***	***0.18***	***0.05***	***0.53***	***0.00***	***0.02***	***0.02***	***59***	***0.00***	***-***
4	**Construct finger piers**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.01	0.08	0.00	0.00	0.00	9	0.00	-
		6.50	1.69	22.31	0.03	0.66	0.61	2,692	0.15	-	0.07	0.02	0.22	0.00	0.01	0.01	27	0.00	-
		4.93	1.45	16.43	0.02	0.55	0.50	1,852	0.13	-	0.05	0.01	0.16	0.00	0.01	0.01	19	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-
		24	***6***	***72***	***0***	***3***	***2***	***8,563***	***1***	***-***	***0.23***	***0.06***	***0.70***	***0.00***	***0.03***	***0.02***	***83***	***0.01***	***-***
5	**Install owner furnished 600 ton travel lift**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.02	0.01	0.06	0.00	0.00	0.00	6	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		12	***3***	***34***	***0***	***1***	***1***	***3,938***	***0***	***-***	***0.03***	***0.01***	***0.08***	***0.00***	***0.00***	***0.00***	***10***	***0.00***	***-***
5b	**Install owner furnished 100 ton travel lift**																		
	Added by CDM	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.02	0.01	0.06	0.00	0.00	0.00	6	0.00	-
	Added by CDM	3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
	Added by CDM	1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		12	***3***	***34***	***0***	***1***	***1***	***3,938***	***0***	***-***	***0.03***	***0.01***	***0.08***	***0.00***	***0.00***	***0.00***	***10***	***0.00***	***-***
6	**F & I steel sheet pile wall (CDF Cell #1)**	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		2.86	0.90	11.77	0.01	0.34	0.31	1,291	0.08	-	0.03	0.01	0.12	0.00	0.00	0.00	13	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-
		15	***4***	***45***	***0***	***2***	***1***	***5,310***	***0***	***-***	***0.15***	***0.04***	***0.45***	***0.00***	***0.02***	***0.01***	***53***	***0.00***	***-***

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	Sox g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
7	**Dredge to elevation -22**	3,000	CY	3	13														
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.6325	0.2211	2.4406	0.0028	0.0821	0.0755	247	0.0199	-
				3		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-
				3		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	1.9272	0.4070	3.6241	0.0041	0.1796	0.1653	368	0.0367	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
8	**Stabilize dredge material**	3,000	CY	3	13														
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3560	2.6835	0.0033	0.1622	0.1493	291	0.0321	-
				2		Cement Trucks	1	60.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
9	**Dispose of Dredge material into CDF**	3,000	CY	3	13														
	#1			3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
10	**Import clean soil to bring upland**	1	LS	15	8														
	elevation to street level			15		Dump Trucks	7	160.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				15		Motor blade grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				15		Drum roller	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
11	**Storm Water System w/ oil-water separator**	1	LS	20	8														
				20		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				20		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				20		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				20		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
12	**Soil Export and Asphalt Removals**	1	LS	14	10														
				14		Asphalt breaker	1	8.0	Crushing/Proc. Equipment	175	2.5113	0.5786	4.5371	0.0049	0.2649	0.2437	433	0.0522	-
				14		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				14		Dump Trucks	7	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				14		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				14		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
13	**Grading**	1	LS	5	8														
				5		Blade grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.5962	4.4246	0.0038	0.2583	0.2377	335	0.0538	-
				5		Roller (Smooth drum)	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				5		Grading Fugitive Dust	0.2								20	2.03			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		

		Emissions									Emissions								
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
7	**Dredge to elevation -22**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		2.65	0.93	10.24	0.01	0.34	0.32	1,037	0.08	-	0.00	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		5.62	1.46	19.27	0.02	0.57	0.53	2,326	0.13	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		4.59	0.97	8.63	0.01	0.43	0.39	875	0.09	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		35	***9***	***98***	***0***	***4***	***3***	***10,521***	***1***	***0***	***0.05***	***0.01***	***0.15***	***0.00***	***0.01***	***0.01***	***16***	***0.00***	***0.00***
8	**Stabilize dredge material**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		5.35	1.10	8.28	0.01	0.50	0.46	897	0.10	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-
		0.65	0.17	1.96	0.00	0.15	0.09	253	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		28	***7***	***70***	***0***	***3***	***3***	***7,432***	***1***	***0***	***0.04***	***0.01***	***0.10***	***0.00***	***0.00***	***0.00***	***11***	***0.00***	***0.00***
9	**Dispose of Dredge material into CDF**																		
	#1	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		22	***6***	***60***	***0***	***3***	***2***	***6,283***	***0***	***0***	***0.03***	***0.01***	***0.09***	***0.00***	***0.00***	***0.00***	***9***	***0.00***	***0.00***
10	**Import clean soil to bring upland**																		
	elevation to street level	12.06	3.11	36.54	0.04	2.77	1.76	4,719	0.14	-	0.09	0.02	0.27	0.00	0.02	0.01	35	0.00	-
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.04	0.01	0.08	0.00	0.00	0.00	7	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.04	0.01	0.07	0.00	0.00	0.00	6	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		25	***6***	***56***	***0***	***4***	***3***	***6,790***	***0***	***-***	***0.18***	***0.04***	***0.42***	***0.00***	***0.03***	***0.02***	***51***	***0.00***	***-***
11	**Storm Water System w/ oil-water separator**																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.05	0.01	0.07	0.00	0.00	0.00	8	0.00	-
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.07	0.02	0.14	0.00	0.01	0.01	12	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.02	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		14	***3***	***21***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.14***	***0.03***	***0.21***	***0.00***	***0.01***	***0.01***	***22***	***0.00***	***-***
12	**Soil Export and Asphalt Removals**																		
		7.75	1.79	14.00	0.02	0.82	0.75	1,337	0.16	-	0.05	0.01	0.10	0.00	0.01	0.01	9	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.04	0.01	0.06	0.00	0.00	0.00	6	0.00	-
		1.51	0.39	4.57	0.01	0.35	0.22	590	0.02	-	0.01	0.00	0.03	0.00	0.00	0.00	4	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		17	***4***	***27***	***0***	***2***	***2***	***3,091***	***0***	***-***	***0.12***	***0.02***	***0.19***	***0.00***	***0.01***	***0.01***	***22***	***0.00***	***-***
13	**Grading**																		
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.01	0.00	0.03	0.00	0.00	0.00	2	0.00	-
		13.75	3.68	27.31	0.02	1.59	1.47	2,070	0.33	-	0.03	0.01	0.07	0.00	0.00	0.00	5	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
						4.06	0.41								0.01	0.00			
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		26	***6***	***47***	***0***	***7***	***3***	***4,141***	***1***	***-***	***0.07***	***0.02***	***0.12***	***0.00***	***0.02***	***0.01***	***10***	***0.00***	***-***

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	Sox g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
14	**Paving**	1	LS	5	8														
				5		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt paver	1	8.0	Pavers	175	2.0437	0.5063	3.9507	0.0037	0.2250	0.2070	332	0.0457	-
				5		On-road Asphalt trucks	1	60.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				5		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				5		Paving Fugitive VOC	0.2					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
15	**Lighting Improvements**	1	LS	15	8														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**			100	N/A														
				100		Service trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
	Subtotal																		
	Total			**323**															
Phase 2 Construction																			
1	**Demolish finger piers**	2	each	10	10														
				10		Derrick Barge	1	8.0	Cranes	195	0.5939	0.2122	2.0886	0.0023	0.0776	0.0714	203	0.0192	-
				10		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Vibratory Hammer	1	8.0	Concrete/Industrial Saws	45	2.821	1.032	2.7368	0.004	0.258	0.237	274	0.093	-
				10		Track Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				10		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
2	**Dredge to elevation -22**	16,000	CY	10	13														
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.6325	0.2211	2.4406	0.0028	0.0821	0.0755	247	0.0199	-
				10		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-
				10		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	1.9272	0.4070	3.6241	0.0041	0.1796	0.1653	368	0.0367	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
3	**Stabilize dredge material**	16,000	CY	10	13														
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3560	2.6835	0.0033	0.1622	0.1493	291	0.0321	-
				4		Cement Trucks	2	60.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
4	**Dispose of Dredge material into**	16,000	CY	10	13														
	CDF #1			10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		

Item	Description	Emissions									Emissions								
		CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
14	**Paving**																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		6.31	1.56	12.19	0.01	0.69	0.64	1,025	0.14	-	0.02	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		0.65	0.17	1.96	0.00	0.15	0.09	253	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
			0.52									0.00							
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		14	***3***	***21***	***0***	***2***	***1***	***2,349***	***0***	***-***	***0.03***	***0.01***	***0.05***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	***-***
15	**Lighting Improvements**																		
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.05	0.01	0.10	0.00	0.01	0.01	9	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		9	***2***	***14***	***0***	***1***	***1***	***1,366***	***0***	***-***	***0.06***	***0.01***	***0.10***	***0.00***	***0.01***	***0.01***	***10***	***0.00***	***-***
16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**																		
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.02	0.01	0.07	0.00	0.00	0.00	8	0.00	-
		0	***0***	***1***	***0***	***0***	***0***	***169***	***0***	***-***	***0.02***	***0.01***	***0.07***	***0.00***	***0.00***	***0.00***	***8***	***0.00***	***-***
	Total	**308**	**76**	**733**	**1**	**41**	**30**	**80,805**	**6**	**0**	**1.96**	**0.46**	**4.33**	**0.01**	**0.24**	**0.18**	**492**	**0.04**	**0.00**
Phase 2 Construction																			
1	**Demolish finger piers**																		
		2.04	0.73	7.18	0.01	0.27	0.25	699	0.07	-	0.01	0.00	0.04	0.00	0.00	0.00	3	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.00	0.05	0.00	0.00	0.00	6	0.00	-
		2.24	0.82	2.17	0.00	0.20	0.19	217	0.07	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.03	0.01	0.04	0.00	0.00	0.00	4	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		15	***4***	***28***	***0***	***2***	***1***	***3,194***	***0***	***-***	***0.07***	***0.02***	***0.14***	***0.00***	***0.01***	***0.01***	***16***	***0.00***	***-***
2	**Dredge to elevation -22**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-
		2.65	0.93	10.24	0.01	0.34	0.32	1,037	0.08	-	0.01	0.00	0.05	0.00	0.00	0.00	5	0.00	-
		5.62	1.46	19.27	0.02	0.57	0.53	2,326	0.13	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		4.59	0.97	8.63	0.01	0.43	0.39	875	0.09	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		35	***9***	***98***	***0***	***4***	***3***	***10,521***	***1***	***0***	***0.17***	***0.04***	***0.49***	***0.00***	***0.02***	***0.02***	***53***	***0.00***	***0.00***
3	**Stabilize dredge material**																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		5.35	1.10	8.28	0.01	0.50	0.46	897	0.10	-	0.03	0.01	0.04	0.00	0.00	0.00	4	0.00	-
		1.29	0.33	3.92	0.00	0.30	0.19	506	0.02	-	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		28	***7***	***72***	***0***	***3***	***3***	***7,685***	***1***	***0***	***0.14***	***0.03***	***0.35***	***0.00***	***0.02***	***0.01***	***37***	***0.00***	***0.00***
4	**Dispose of Dredge material into**																		
	CDF #1	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		22	***6***	***60***	***0***	***3***	***2***	***6,283***	***0***	***0***	***0.11***	***0.03***	***0.30***	***0.00***	***0.01***	***0.01***	***31***	***0.00***	***0.00***

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	Sox g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
5	**F & I steel sheet pile wall (CDF Cell #2)**		LF	20	10														
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				20		Pile Driving Hammer	1	8.0	Generator Sets	190	0.8524	0.2688	3.5118	0.0043	0.1011	0.0930	385	0.0243	-
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
6	**Demolish building H2**	1	each	30	8														
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3560	2.6835	0.0033	0.1622	0.1493	291	0.0321	-
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				30		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				30		*Demolition Dust*													
				30		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
7	**Import clean soil to bring upland elevation to cell elevation and Trench back fill**	1	LS	15	8														
				15		Dump Trucks	3	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				15		Motor blade grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				15		Drum roller	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
8	**Storm Water System w/ oil-water separator**	1	LS	10	8														
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				10		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				10		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
9	**Soil Export and Asphalt Removals**		LS	5	10														
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	1.8604	0.4710	3.0659	0.0033	0.2584	0.2378	280	0.0425	-
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				5		Dump Trucks	160.0	160.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				5		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				5		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
10	**Grading**	1	LS	5	8														
				5		Blade grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.5962	4.4246	0.0038	0.2583	0.2377	335	0.0538	-
				5		Roller (Smooth drum)	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				5		Grading Fugitive Dust	0.14								20	2.03			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
11	**Paving**	1	LS	5	8														
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt Paver	1	8.0	Pavers	175	2.0437	0.5063	3.9507	0.0037	0.2250	0.2070	332	0.0457	-
				5		Onroad Asphalt Trucks	1	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				5		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				5		Paving Fugitive VOC	0.14					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
12	**Lighting Improvements**	1	LS	15	8														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
	Subtotal																		
13	**Service Vehicles and Deliveries**	1	LS	70	N/A														
				70		Service Trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
	Subtotal																		
	Total			**215**															

Item	Description	Emissions									Emissions								
		CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
5	F & I steel sheet pile wall (CDF Cell #2)																		
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-
		2.86	0.90	11.77	0.01	0.34	0.31	1,291	0.08	-	0.03	0.01	0.12	0.00	0.00	0.00	13	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-
		15	***4***	***45***	***0***	***2***	***1***	***5,310***	***0***	***-***	***0.15***	***0.04***	***0.45***	***0.00***	***0.02***	***0.01***	***53***	***0.00***	***-***
6	Demolish building H2																		
		5.35	1.10	8.28	0.01	0.50	0.46	897	0.10	-	0.08	0.02	0.12	0.00	0.01	0.01	13	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.08	0.02	0.13	0.00	0.01	0.01	13	0.00	-
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.01	0.00	0.02	0.00	0.00	0.00	3	0.00	-
						0.01	-								0.00	-			
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-
		12	***2***	***18***	***0***	***1***	***1***	***2,131***	***0***	***-***	***0.19***	***0.04***	***0.28***	***0.00***	***0.02***	***0.02***	***32***	***0.00***	***-***
7	Import clean soil to bring upland elevation to cell elevation and Trench back fill																		
		0.65	0.17	1.96	0.00	0.15	0.09	253	0.01	-	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	-
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.04	0.01	0.08	0.00	0.00	0.00	7	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.04	0.01	0.07	0.00	0.00	0.00	6	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		13	***3***	***21***	***0***	***1***	***1***	***2,324***	***0***	***-***	***0.10***	***0.02***	***0.16***	***0.00***	***0.01***	***0.01***	***17***	***0.00***	***-***
8	Storm Water System w/ oil-water separator																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.04	0.01	0.07	0.00	0.00	0.00	6	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		14	***3***	***21***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.07***	***0.01***	***0.11***	***0.00***	***0.01***	***0.01***	***11***	***0.00***	***-***
9	Soil Export and Asphalt Removals																		
		3.94	1.00	6.49	0.01	0.55	0.50	593	0.09	-	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		275.77	71.05	835.24	1.02	63.21	40.32	107,853	3.30	-	0.69	0.18	2.09	0.00	0.16	0.10	270	0.01	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		287	***73***	***851***	***1***	***65***	***41***	***109,610***	***4***	***-***	***0.72***	***0.18***	***2.13***	***0.00***	***0.16***	***0.10***	***274***	***0.01***	***-***
10	Grading																		
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.01	0.00	0.03	0.00	0.00	0.00	2	0.00	-
		13.75	3.68	27.31	0.02	1.59	1.47	2,070	0.33	-	0.03	0.01	0.07	0.00	0.00	0.00	5	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
						4.06	0.41				-	-	-	-	0.01	0.00	-	-	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		26	***6***	***47***	***0***	***7***	***3***	***4,141***	***1***	***-***	***0.07***	***0.02***	***0.12***	***0.00***	***0.02***	***0.01***	***10***	***0.00***	***-***
11	Paving																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		6.31	1.56	12.19	0.01	0.69	0.64	1,025	0.14	-	0.02	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		0.22	0.06	0.65	0.00	0.05	0.03	84	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
			0.52									0.00							
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		13	***3***	***20***	***0***	***1***	***1***	***2,181***	***0***	***-***	***0.03***	***0.01***	***0.05***	***0.00***	***0.00***	***0.00***	***5***	***0.00***	***-***
12	Lighting Improvements																		
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.05	0.01	0.10	0.00	0.01	0.01	9	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-
		9	***2***	***14***	***0***	***1***	***1***	***1,366***	***0***	***-***	***0.06***	***0.01***	***0.10***	***0.00***	***0.01***	***0.01***	***10***	***0.00***	***-***
13	Service Vehicles and Deliveries																		
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.02	0.00	0.05	0.00	0.00	0.00	6	0.00	-
		0	***0***	***1***	***0***	***0***	***0***	***169***	***0***	***-***	***0.02***	***0.00***	***0.05***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	***-***
	Total	**489**	**123**	**1,297**	**2**	**92**	**61**	**157,135**	**8**	**0**	**1.89**	**0.47**	**4.72**	**0.01**	**0.31**	**0.21**	**556**	**0.03**	**0.00**

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	Sox g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
Phase 3 Construction																			
1	**Demolish buildings A2 & A3**	2	each	30	10														
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3560	2.6835	0.0033	0.1622	0.1493	291	0.0321	-
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				30		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				30		*Demolition Dust*													
				30		*Workers*	10	30.0	LDA-TOT	NA	0.006527	0.000654	0.00053	8.703E-06	0.00089	0.000181	1	6.21E-05	0
				Subtotal															
2	**Import clean soil to bring upland elevation to street level, trench backfill**	1	LS	10	8														
				10		Dump Trucks	38.0	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				10		Motor Blade Grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				10		Drum Roller	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
3	**Storm Water System w/ oil-water separator**	1	LS	10	8														
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				10		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				10		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
4	**Soil Export and Asphalt Removals**		LS	5	10														
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	1.8604	0.4710	3.0659	0.0033	0.2584	0.2378	280	0.0425	-
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.3606	2.8008	0.0031	0.1638	0.1507	275	0.0325	-
				5		Dump Trucks (38)	38.0	160.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				5		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				5		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
5	**Grading**	1	LS	5	8														
				5		Blade Grader	1	8.0	Graders	175	1.9121	0.4265	3.2946	0.0036	0.1930	0.1775	321	0.0385	-
				5		Small Dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.5962	4.4246	0.0038	0.2583	0.2377	335	0.0538	-
				5		Roller (Smooth Drum)	1	8.0	Rollers	175	1.6167	0.3620	2.9442	0.0032	0.1638	0.1507	280	0.0327	-
				5		Grading Fugitive Dust	0.12								20	2.03			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
6	**Paving**	1	LS	5	8														
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt Paver	1	8.0	Pavers	175	2.0437	0.5063	3.9507	0.0037	0.2250	0.2070	332	0.0457	-
				5		Onroad Asphalt Trucks	1	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				5		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0086	0.0008	0.0010	0.0000	0.0009	0.0002	1	0.0001	-
				5		Paving Fugitive VOC	0.12					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
7	**Lighting Improvements**	1	LS	15	5														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				15		*Workers*	5	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
8	**Existing Utility Protection**	1	LS	5	5														
				5		Trenching Machine	**1**	8.0	Trenchers	175	2.2696	0.5569	4.4368	0.0042	0.2470	0.2273	373	0.0502	-
				5		*Workers*	5	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															

Item	Description	Emissions									Emissions								
		CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
Phase 3 Construction																			
1	**Demolish buildings A2 & A3**																		
		5.35	1.10	8.28	0.01	0.50	0.46	897	0.10	-	0.08	0.02	0.12	0.00	0.01	0.01	13	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.08	0.02	0.13	0.00	0.01	0.01	13	0.00	-
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.01	0.00	0.02	0.00	0.00	0.00	3	0.00	-
						0.10	-								0.00	-			
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.03	0.00	0.00	0.00	0.00	0.00	4	0.00	-
		13	***3***	***18***	***0***	***1***	***1***	***2,185***	***0***	***-***	***0.19***	***0.04***	***0.28***	***0.00***	***0.02***	***0.02***	***33***	***0.00***	***-***
2	**Import clean soil to bring upland elevation to street level, trench backfill**																		
		8.19	2.11	24.80	0.03	1.88	1.20	3,202	0.10	-	0.04	0.01	0.12	0.00	0.01	0.01	16	0.00	-
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.03	0.01	0.05	0.00	0.00	0.00	5	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.02	0.01	0.05	0.00	0.00	0.00	4	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		21	***5***	***44***	***0***	***3***	***2***	***5,273***	***0***	***-***	***0.10***	***0.02***	***0.22***	***0.00***	***0.02***	***0.01***	***26***	***0.00***	***-***
3	**Storm Water System w/ oil-water separator**																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.04	0.01	0.07	0.00	0.00	0.00	6	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		14	***3***	***21***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.07***	***0.01***	***0.11***	***0.00***	***0.01***	***0.01***	***11***	***0.00***	***-***
4	**Soil Export and Asphalt Removals**																		
		3.94	1.00	6.49	0.01	0.55	0.50	593	0.09	-	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	-
		5.04	1.11	8.64	0.01	0.51	0.47	850	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		65.49	16.88	198.37	0.24	15.01	9.58	25,615	0.78	-	0.16	0.04	0.50	0.00	0.04	0.02	64	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		77	***19***	***214***	***0***	***16***	***11***	***27,372***	***1***	***-***	***0.19***	***0.05***	***0.53***	***0.00***	***0.04***	***0.03***	***68***	***0.00***	***-***
5	**Grading**																		
		5.90	1.32	10.17	0.01	0.60	0.55	990	0.12	-	0.01	0.00	0.03	0.00	0.00	0.00	2	0.00	-
		13.75	3.68	27.31	0.02	1.59	1.47	2,070	0.33	-	0.03	0.01	0.07	0.00	0.00	0.00	5	0.00	-
		4.99	1.12	9.09	0.01	0.51	0.47	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
						4.06	0.41				-	-	-	-	0.01	0.00	-	-	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		26	***6***	***47***	***0***	***7***	***3***	***4,141***	***1***	***-***	***0.07***	***0.02***	***0.12***	***0.00***	***0.02***	***0.01***	***10***	***0.00***	***-***
6	**Paving**																		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		6.31	1.56	12.19	0.01	0.69	0.64	1,025	0.14	-	0.02	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		0.22	0.06	0.65	0.00	0.05	0.03	84	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		0.34	0.03	0.04	0.00	0.04	0.01	44.79	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
			0.52								-	0.00	-	-	-	-	-	-	-
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		13	***3***	***20***	***0***	***1***	***1***	***2,181***	***0***	***-***	***0.03***	***0.01***	***0.05***	***0.00***	***0.00***	***0.00***	***5***	***0.00***	***-***
7	**Lighting Improvements**																		
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.05	0.01	0.10	0.00	0.01	0.01	9	0.00	-
		0.98	0.10	0.08	0.00	0.13	0.03	135	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-
		8	***2***	***14***	***0***	***1***	***1***	***1,285***	***0***	***-***	***0.06***	***0.01***	***0.10***	***0.00***	***0.01***	***0.01***	***10***	***0.00***	***-***
8	**Existing Utility Protection**																		
		7.01	1.72	13.69	0.01	0.76	0.70	1,150	0.16	-	0.02	0.00	0.03	0.00	0.00	0.00	3	0.00	-
		0.98	0.10	0.08	0.00	0.13	0.03	135	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-
		8	***2***	***14***	***0***	***1***	***1***	***1,285***	***0***	***-***	***0.02***	***0.00***	***0.03***	***0.00***	***0.00***	***0.00***	***3***	***0.00***	***-***

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	Sox g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
9	**Construct Buildings to replace buildings A2, A3, C1, & D**	1	LS	180	15	Compressor (3)	3	8.0	Air Compressors	120	1.2543	0.3611	2.1439	0.0021	0.1979	0.1820	177	0.0326	-
				20		Flatbed Truck (20 days)	1	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				9		Cement Trucks	2	60.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
				90		Boom Truck (90 days)	1	8.0	Off-Highway Trucks	500	0.6397	0.2150	1.9251	0.0024	0.0712	0.0655	247	0.0194	-
				180		Small Loader	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				180		Small Crane	1	8.0	Cranes	175	1.2579	0.2975	2.2728	0.0023	0.1332	0.1226	208	0.0268	-
				180		Large Fork Lift	1	8.0	Forklifts	500	0.2067	0.0757	0.7309	0.0010	0.0253	0.0232	101	0.0068	-
				180		*Workers*	15	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	1	0.0001	-
				Subtotal															
10	**Service Vehicles and Deliveries**	1	LS	70	N/A														
				70		Service Trucks (2)	2	20.0	HHDT-DSL	NA	0.0108	0.0028	0.0326	0.0000	0.0025	0.0016	4	0.0001	-
Subtotal																			
	Total			**335**															

*Most common HP in OFFROAD2007 database for Los Angeles County

Construction takes place from 7am to 3:30pm. Assume 8.5 hours/day of construction.

Worker round trip distance	30	miles	7:00 AM
Truck round trip distance	20	miles	3:30 PM
			8.50

Soil/asphalt

1000	tons of soil		
800	tons of asphalt		
Soil		***Asphalt***	
1.60	g/cm3	145	lbs/cubic foot
1.35	tons/cu yd	1.96	tons/cubic yard
742	cubic yards of soil	409	cubic yards of asphalt
http://web.ead.anl.gov/resrad/datacoll/soildens.htm			1,150
8	hours/day		
20	cu yd, truck capacity (URBEMIS)		
30	miles roundtrip (URBEMIS)		
25	mph		
7	trips/day		
133	CY/day		
1,150	Total CY		
9	Days		

July 2011 revisions (soil import/export):

			Basis
Phase 1 soil import:	2,000	yd3	Given
	100	trucks	20 yd3/truck
	7.0	trucks/day	For Phase 1 Task 10, changed number of dump trucks to 7 from 3 (7 trips/day needed to import 2000 yd3 in 15 days)
			Goes to Buttonwillow Landfill and back (320 miles roundtrip)
Phase 2 soil export:	16,000	yd3	Estimate. Contaminated soil sent to Buttonwillow Landfill (320 miles roundtrip).
	800	trucks	20 yd3/truck
	160.0	trucks/day	Phase 2 Task 9 = 5 days.
Phase 3 soil import:	7,500	yd3	Given
	375	trucks	20 yd3/truck
	38.0	trucks/day	Phase 3 Task 2 duration = 10 days.

Item	Description	Emissions									Emissions								
		CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr
9	**Construct Buildings to replace buildings A2, A3, C1, & D**	7.96	2.29	13.61	0.01	1.26	1.16	1,126	0.21	-	0.72	0.21	1.23	0.00	0.11	0.10	101	0.02	-
		0.22	0.06	0.65	0.00	0.05	0.03	84	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	1	0.00	-
		1.29	0.33	3.92	0.00	0.30	0.19	506	0.02	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-
		5.64	1.90	16.98	0.02	0.63	0.58	2,177	0.17	-	0.25	0.09	0.76	0.00	0.03	0.03	98	0.01	-
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.42	0.08	0.64	0.00	0.04	0.04	73	0.01	-
		3.88	0.92	7.01	0.01	0.41	0.38	642	0.08	-	0.35	0.08	0.63	0.00	0.04	0.03	58	0.01	-
		1.82	0.67	6.45	0.01	0.22	0.20	887	0.06	-	0.16	0.06	0.58	0.00	0.02	0.02	80	0.01	-
		2.94	0.29	0.24	0.00	0.40	0.08	405	0.03	-	0.26	0.03	0.02	0.00	0.04	0.01	36	0.00	-
		28	***7***	***56***	***0***	***4***	***3***	***6,637***	***1***	**-**	***2.18***	***0.54***	***3.89***	***0.00***	***0.27***	***0.23***	***449***	***0.05***	**-**
10	**Service Vehicles and Deliveries**																		
		0.43	0.11	1.31	0.00	0.10	0.06	169	0.01	-	0.02	0.00	0.05	0.00	0.00	0.00	6	0.00	-
Subtotal		***0***	***0***	***1***	***0***	***0***	***0***	***169***	***0***	**-**	***0.02***	***0.00***	***0.05***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	**-**
	Total	**208**	**50**	**449**	**1**	**36**	**24**	**52,750**	**4**	**-**	**2.93**	**0.71**	**5.38**	**0.01**	**0.39**	**0.30**	**623**	**0.06**	**-**
	**Most common HP in OFFROAD2007 da*																		
	Construction takes place from 7am to 3																		
	Worker round trip distance																		
	Truck round trip distance																		
	Soil/asphalt																		
	1000																		
	800																		
	Soil																		
	1.60																		
	1.35																		
	742																		
	http://web.ead.anl.gov/resrad/datacoll																		
	8																		
	20																		
	30																		
	25																		
	7																		
	133																		
	1,150																		
	9																		
July 2011 revisions (soil import/export):																			
	Phase 1 soil import:																		
	Phase 2 soil export:																		
	Phase 3 soil import:																		

Al Larson Boat Shop Upgrade - After Alternative Mitigation																				
				Mitigation:																
	Marine Work			MM AQ-3. Tier 3 dredging equipment																
	Site Civil Work				Tier 3 Construction Equipment															
	Building Demolition																			
				Duration	Number				Offroad	Offroad	Emission Factors									
Item	Description	Quantity		Work	of	Major Equipment	Equipment	Hours/day or	Equipment	HP	CO	ROG	NOX	SOx	PM10	PM2.5	CO2	CH4	N2O	
				Days	Workers		#	Miles/rountrip	Category	*	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi	g/hp-hr or lbs/mi
Phase 1 Construction (2011)																				
1			SF	20	10															
	Demolish 200' creosote timber wharf			20		Derrick Barge	1	8.0	Cranes	195	0.5939	0.2122	2.0886	0.0023	0.0776	0.0714	203	0.0192	-	
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				20		Vibratory Hammer	1	8.0	Crushing/Proc. Equipment	175	2.5113	0.1500	2.8500	0.0049	0.1500	0.1380	433	0.0522	-	
				20		Track Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-	
	Added by CDM			20		Haul Trucks	1	85.6	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-	
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
2	**Demolish buildings D, C1, & H1**	3	each	60	10															
				60		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3165	2.6835	0.0033	0.1500	0.1380	291	0.0321	-	
				60		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-	
				60		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-	
				60		Demolition Dust														
				60		Workers	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
3	**Install 24" Octagonal Prestressed**	32	each	15	7															
	Concrete Piles			15		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-	
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				15		Flat Barge - Deck Winch	1	8.0	Hoist/swing/winch	120	1.2740	0.2947	2.3377	0.0025	0.1340	0.1233	220	0.0266	-	
				15		Flat Barge - Generator 1	1	8.0	Generator Sets	229	0.8524	0.1500	2.8500	0.0043	0.1011	0.0930	385	0.0243	-	
				15		Flat Barge - Generator 2	1	8.0	Generator Sets	90	1.9272	0.1750	3.3250	0.0041	0.1796	0.1653	368	0.0367	-	
				15		Pile-driving Hammer	1	8.0	Generator Sets	190	0.8524	0.1500	2.8500	0.0043	0.1011	0.0930	385	0.0243	-	
				15		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
4	**Construct finger piers**	2	each	20	10															
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-	
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				20		Generator Sets	1	8.0	Generator Sets	500	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-	
				20		Air Compressors	1	8.0	Air Compressors	500	0.5588	0.1641	1.8633	0.0021	0.0618	0.0569	210	0.0148	-	
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
5	**Install owner furnished 600 ton travel lift**	1	each	5	7															
				5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-	
				5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				5		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
5	**Install owner furnished 100 ton travel lift**	1	each	5	7															
				5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-	
				5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				5		*Workers*	7	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																
6			LF	20	10															
	F & I steel sheet pile wall (CDF Cell #1)			20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-	
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-	
				20		Pile-driving Hammer	1	8.0	Generator Sets	190	0.8524	0.1500	2.8500	0.0043	0.1011	0.0930	385	0.0243	-	
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-	
				Subtotal																

Al Larson Boat Shop Upgrade - After Alternative																					
	Marine Work																				
	Site Civil Work																				
	Building Demolition																				
		Emissions									Emissions										
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O		
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr		
Phase 1 Construction (2011)																					
1																					
	Demolish 200' creosote timber wharf	2.04	0.73	7.18	0.01	0.27	0.25	699	0.07	-	0.02	0.01	0.07	0.00	0.00	0.00	7	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		7.75	0.46	8.80	0.02	0.46	0.43	1,337	0.16	-	0.08	0.00	0.09	0.00	0.00	0.00	13	0.00	-		
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.05	0.01	0.09	0.00	0.00	0.00	8	0.00	-		
	Added by CDM	0.29	0.06	0.83	0.00	0.10	0.03	356	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	4	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-		
		20	***3***	***36***	***0***	***2***	***2***	***4,670***	***0***	***-***	***0.20***	***0.03***	***0.36***	***0.00***	***0.02***	***0.02***	***47***	***0.00***	***-***		**6%**
2	**Demolish buildings D, C1, & H1**																				
		5.35	0.98	8.28	0.01	0.46	0.43	897	0.10	-	0.16	0.03	0.25	0.00	0.01	0.01	27	0.00	-		
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.15	0.02	0.26	0.00	0.01	0.01	25	0.00	-		
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	5	0.00	-		
						0.04	-								0.00	-					
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.06	0.01	0.00	0.00	0.01	0.00	8	0.00	-		
		12	***2***	***17***	***0***	***1***	***1***	***2,183***	***0***	***-***	***0.37***	***0.05***	***0.52***	***0.00***	***0.04***	***0.03***	***66***	***0.01***	***-***		**3%**
3	**Install 24" Octagonal Prestressed Concrete Piles**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.05	0.02	0.18	0.00	0.01	0.01	19	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.01	0.08	0.00	0.00	0.00	9	0.00	-		
		2.70	0.62	4.95	0.01	0.28	0.26	466	0.06	-	0.02	0.00	0.04	0.00	0.00	0.00	3	0.00	-		
		3.44	0.61	11.51	0.02	0.41	0.38	1,556	0.10	-	0.03	0.00	0.09	0.00	0.00	0.00	12	0.00	-		
		3.06	0.28	5.28	0.01	0.29	0.26	584	0.06	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		2.86	0.50	9.55	0.01	0.34	0.31	1,291	0.08	-	0.02	0.00	0.07	0.00	0.00	0.00	10	0.00	-		
		1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		24	***5***	***65***	***0***	***3***	***2***	***7,834***	***1***	***-***	***0.18***	***0.04***	***0.49***	***0.00***	***0.02***	***0.02***	***59***	***0.00***	***-***		**10%**
4	**Construct finger piers**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.01	0.08	0.00	0.00	0.00	9	0.00	-		
		6.50	1.69	22.31	0.03	0.66	0.61	2,692	0.15	-	0.07	0.02	0.22	0.00	0.01	0.01	27	0.00	-		
		4.93	1.45	16.43	0.02	0.55	0.50	1,852	0.13	-	0.05	0.01	0.16	0.00	0.01	0.01	19	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-		
		24	***6***	***72***	***0***	***3***	***2***	***8,563***	***1***	***-***	***0.23***	***0.06***	***0.70***	***0.00***	***0.03***	***0.02***	***83***	***0.01***	***-***		**11%**
5	**Install owner furnished 600 ton travel lift**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.02	0.01	0.06	0.00	0.00	0.00	6	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		12	***3***	***34***	***0***	***1***	***1***	***3,938***	***0***	***-***	***0.03***	***0.01***	***0.08***	***0.00***	***0.00***	***0.00***	***10***	***0.00***	***-***		**5%**
5	**Install owner furnished 100 ton travel lift**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.02	0.01	0.06	0.00	0.00	0.00	6	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		1.37	0.14	0.11	0.00	0.19	0.04	189	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		12	***3***	***34***	***0***	***1***	***1***	***3,938***	***0***	***-***	***0.03***	***0.01***	***0.08***	***0.00***	***0.00***	***0.00***	***10***	***0.00***	***-***		**5%**
6																					
	F & I steel sheet pile wall (CDF Cell #1)	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		2.86	0.50	9.55	0.01	0.34	0.31	1,291	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	13	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-		
		15	***4***	***43***	***0***	***2***	***1***	***5,310***	***0***	***-***	***0.15***	***0.04***	***0.43***	***0.00***	***0.02***	***0.01***	***53***	***0.00***	***-***		**7%**

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	SOx g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
7	**Dredge to elevation -22**	3,000	CY	3	13														
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.6325	0.2211	2.4406	0.0028	0.0821	0.0755	247	0.0199	-
				3		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-
				3		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	1.9272	0.1500	2.8500	0.0041	0.1796	0.1653	368	0.0367	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
8	**Stabilize dredge material**	3,000	CY	3	13														
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3165	2.6835	0.0033	0.1500	0.1380	291	0.0321	-
				2		Cement Trucks	1	60.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
9	**Dispose of Dredge material into CDF #1**	3,000	CY	3	13														
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				3		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
10	**Import clean soil to bring upland elevation to street level**	1	LS	15	8														
				15		Dump Trucks	7	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				15		Motor blade grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				15		Drum roller	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
11	**Storm Water System w/ oil-water separator**	1	LS	20	8														
				20		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				20		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				20		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				20		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
12	**Soil Export and Asphalt Removals**	1	LS	14	10														
				14		Asphalt breaker	1	8.0	Crushing/Proc. Equipment	175	2.5113	0.1500	2.8500	0.0049	0.1500	0.1380	433	0.0522	-
				14		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				14		Dump Trucks	7	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				14		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				14		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
13	**Grading**	1	LS	5	8														
				5		Blade grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.1500	2.8500	0.0038	0.1500	0.1380	335	0.0538	-
				5		Roller (Smooth drum)	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				5		Grading Fugitive Dust	0.2								2.03	0.20			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		

		Emissions									Emissions										
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O		
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr		
7	**Dredge to elevation -22**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		2.65	0.93	10.24	0.01	0.34	0.32	1,037	0.08	-	0.00	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		5.62	1.46	19.27	0.02	0.57	0.53	2,326	0.13	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		4.59	0.36	6.79	0.01	0.43	0.39	875	0.09	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		35	***8***	***96***	***0***	***4***	***3***	***10,521***	***1***	***0***	***0.05***	***0.01***	***0.14***	***0.00***	***0.01***	***0.01***	***16***	***0.00***	***0.00***		**15%**
8	**Stabilize dredge material**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		5.35	0.98	8.28	0.01	0.46	0.43	897	0.10	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-		
		0.21	0.04	0.58	0.00	0.07	0.02	250	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		27	***7***	***69***	***0***	***3***	***3***	***7,429***	***0***	***0***	***0.04***	***0.01***	***0.10***	***0.00***	***0.00***	***0.00***	***11***	***0.00***	***0.00***		**11%**
9	**Dispose of Dredge material into CDF #1**	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.01	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.01	0.00	0.03	0.00	0.00	0.00	3	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		22	***6***	***60***	***0***	***3***	***2***	***6,283***	***0***	***0***	***0.03***	***0.01***	***0.09***	***0.00***	***0.00***	***0.00***	***9***	***0.00***	***0.00***		**9%**
10	**Import clean soil to bring upland elevation to street level**																				
		0.48	0.09	1.36	0.01	0.16	0.05	583	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	4	0.00	-		
		5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.04	0.00	0.07	0.00	0.00	0.00	7	0.00	-		
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.04	0.00	0.07	0.00	0.00	0.00	6	0.00	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		13	***1***	***19***	***0***	***1***	***1***	***2,654***	***0***	***-***	***0.10***	***0.01***	***0.14***	***0.00***	***0.01***	***0.01***	***20***	***0.00***	***-***		**3%**
11	**Storm Water System w/ oil-water separator**																				
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.05	0.01	0.07	0.00	0.00	0.00	8	0.00	-		
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.07	0.00	0.09	0.00	0.00	0.00	12	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.02	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		13	***2***	***16***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.13***	***0.02***	***0.16***	***0.00***	***0.01***	***0.01***	***22***	***0.00***	***-***		**3%**
12	**Soil Export and Asphalt Removals**																				
		7.75	0.46	8.80	0.02	0.46	0.43	1,337	0.16	-	0.05	0.00	0.06	0.00	0.00	0.00	9	0.00	-		
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.04	0.00	0.06	0.00	0.00	0.00	6	0.00	-		
		0.48	0.09	1.36	0.01	0.16	0.05	583	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	4	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		15	***1***	***19***	***0***	***1***	***1***	***3,084***	***0***	***-***	***0.11***	***0.01***	***0.13***	***0.00***	***0.01***	***0.01***	***22***	***0.00***	***-***		**3%**
13	**Grading**																				
		5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		13.75	0.93	17.59	0.02	0.93	0.85	2,070	0.33	-	0.03	0.00	0.04	0.00	0.00	0.00	5	0.00	-		
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
						0.41	0.04					-	-	-	0.00	0.00	-	-			
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		26	***2***	***35***	***0***	***2***	***2***	***4,141***	***1***	***-***	***0.07***	***0.01***	***0.09***	***0.00***	***0.01***	***0.00***	***10***	***0.00***	***-***		**6%**

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	SOx g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
14	**Paving**	1	LS	5	8														
				5		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt paver	1	8.0	Pavers	175	2.0437	0.1500	2.8500	0.0037	0.1500	0.1380	332	0.0457	-
				5		On-road Asphalt trucks	1	60.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				5		Pick up trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				5		Paving Fugitive VOC	0.2					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
15	**Lighting Improvements**	1	LS	15	8														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**			100	N/A														
				100		Service trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				Subtotal															
Total				**323**															
Phase 2 Construction																			
1	**Demolish finger piers**	2	each	10	10														
				10		Derrick Barge	1	8.0	Cranes	195	0.5939	0.2122	2.0886	0.0023	0.0776	0.0714	203	0.0192	-
				10		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Vibratory Hammer	1	8.0	Concrete/Industrial Saws	45	2.821	1.032	2.7368	0.004	0.258	0.237	274	0.093	-
				10		Track Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				10		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
2	**Dredge to elevation -22**	16,000	CY	10	13														
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.6325	0.2211	2.4406	0.0028	0.0821	0.0755	247	0.0199	-
				10		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.7372	0.1912	2.5297	0.0030	0.0752	0.0692	305	0.0172	-
				10		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	1.9272	0.1500	2.8500	0.0041	0.1796	0.1653	368	0.0367	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
3	**Stabilize dredge material**	16,000	CY	10	13														
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3165	2.6835	0.0033	0.1500	0.1380	291	0.0321	-
				4		Cement Trucks	2	60.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
4	**Dispose of Dredge material into CDF #1**	16,000	CY	10	13														
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	0.68	0.17	2.36	0.00	0.11	0.10	151	0.00	0.01
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	2.38	0.71	3.03	0.00	0.27	0.25	209	0.01	0.01
				10		*Workers*	13	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
5			LF	20	10														
	F & I steel sheet pile wall (CDF Cell #2)			20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.7346	0.2141	2.3521	0.0026	0.0810	0.0745	260	0.0193	-
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.5526	0.1589	1.7219	0.0019	0.0600	0.0552	196	0.0143	-
				20		Pile Driving Hammer	1	8.0	Generator Sets	190	0.8524	0.1500	2.8500	0.0043	0.1011	0.0930	385	0.0243	-
				20		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															

		Emissions									Emissions										
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O		
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr		
14	**Paving**																				
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		6.31	0.46	8.80	0.01	0.46	0.43	1,025	0.14	-	0.02	0.00	0.02	0.00	0.00	0.00	3	0.00	-		
		0.21	0.04	0.58	0.00	0.07	0.02	250	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
			0.52									0.00	-	-	-	-	-	-	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		13	***2***	***17***	***0***	***1***	***1***	***2,346***	***0***	***-***	***0.03***	***0.01***	***0.04***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	***-***		**3%**
15	**Lighting Improvements**																				
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.05	0.00	0.07	0.00	0.00	0.00	9	0.00	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		9	***1***	***9***	***0***	***1***	***0***	***1,366***	***0***	***-***	***0.06***	***0.00***	***0.07***	***0.00***	***0.01***	***0.00***	***10***	***0.00***	***-***		**1%**
16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**																				
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.01	0.00	0.02	0.00	0.00	0.00	8	0.00	-		
		0	***0***	***0***	***0***	***0***	***0***	***167***	***0***	***-***	***0.01***	***0.00***	***0.02***	***0.00***	***0.00***	***0.00***	***8***	***0.00***	***-***		**0%**
	Total	**293**	**56**	**642**	**1**	**31**	**25**	**76,648**	**6**	**0**	**2**	**0**	**4**	**0**	**0**	**0**	**461**	**0**	**0**		100%
		550.00	75.00	100.00	150.00	150.00	55.00														
Phase 2 Construction		no	no	yes	no	no	no														
1	**Demolish finger piers**																				
		2.04	0.73	7.18	0.01	0.27	0.25	699	0.07	-	0.01	0.00	0.04	0.00	0.00	0.00	3	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.02	0.00	0.05	0.00	0.00	0.00	6	0.00	-		
		2.24	0.82	2.17	0.00	0.20	0.19	217	0.07	-	0.01	0.00	0.01	0.00	0.00	0.00	1	0.00	-		
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.03	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		15	***3***	***28***	***0***	***2***	***1***	***3,194***	***0***	***-***	***0.07***	***0.02***	***0.14***	***0.00***	***0.01***	***0.01***	***16***	***0.00***	***-***		
2	**Dredge to elevation -22**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-		
		2.65	0.93	10.24	0.01	0.34	0.32	1,037	0.08	-	0.01	0.00	0.05	0.00	0.00	0.00	5	0.00	-		
		5.62	1.46	19.27	0.02	0.57	0.53	2,326	0.13	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		4.59	0.36	6.79	0.01	0.43	0.39	875	0.09	-	0.02	0.00	0.03	0.00	0.00	0.00	4	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		35	***8***	***96***	***0***	***4***	***3***	***10,521***	***1***	***0***	***0.17***	***0.04***	***0.48***	***0.00***	***0.02***	***0.02***	***53***	***0.00***	***0.00***		
3	**Stabilize dredge material**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		5.35	0.98	8.28	0.01	0.46	0.43	897	0.10	-	0.03	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		0.41	0.08	1.17	0.00	0.14	0.04	500	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		27	***7***	***69***	***0***	***3***	***3***	***7,679***	***0***	***0***	***0.14***	***0.03***	***0.34***	***0.00***	***0.02***	***0.01***	***37***	***0.00***	***0.00***		
4	**Dispose of Dredge material into CDF #1**																				
		7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.04	0.01	0.12	0.00	0.00	0.00	13	0.00	-		
		6.53	1.88	20.35	0.02	0.71	0.65	2,315	0.17	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		4.23	1.05	14.60	0.01	0.66	0.60	933	0.01	0.04	0.02	0.01	0.07	0.00	0.00	0.00	5	0.00	0.00		
		1.05	0.31	1.34	0.00	0.12	0.11	92	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0	0.00	0.00		
		2.55	0.26	0.21	0.00	0.35	0.07	351	0.02	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-		
		22	***6***	***60***	***0***	***3***	***2***	***6,283***	***0***	***0***	***0.11***	***0.03***	***0.30***	***0.00***	***0.01***	***0.01***	***31***	***0.00***	***0.00***		
5																					
	F & I steel sheet pile wall (CDF Cell #2)	7.31	2.13	23.40	0.03	0.81	0.74	2,591	0.19	-	0.07	0.02	0.23	0.00	0.01	0.01	26	0.00	-		
		3.27	0.94	10.17	0.01	0.35	0.33	1,158	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	12	0.00	-		
		2.86	0.50	9.55	0.01	0.34	0.31	1,291	0.08	-	0.03	0.01	0.10	0.00	0.00	0.00	13	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-		
		15	***4***	***43***	***0***	***2***	***1***	***5,310***	***0***	***-***	***0.15***	***0.04***	***0.43***	***0.00***	***0.02***	***0.01***	***53***	***0.00***	***-***		

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	SOx g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
6	**Demolish building H2**	1	each	30	8														
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3165	2.6835	0.0033	0.1500	0.1380	291	0.0321	-
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				30		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				30		Demolition Dust													
				30		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
7	**Import clean soil to bring upland elevation to cell elevation and Trench back fill**	1	LS	15	8														
				15		Dump Trucks (3)	3	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				15		Motor blade grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				15		Drum roller	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
8	**Storm Water System w/ oil-water separator**	1	LS	10	8														
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				10		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				10		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
9	**Soil Export and Asphalt Removals**		LS	5	10														
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	1.8604	0.1500	2.8500	0.0033	0.2200	0.2024	280	0.0425	-
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				5		Dump Trucks	160	160.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				5		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				5		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
10	**Grading**	1	LS	5	8														
				5		Blade grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.1500	2.8500	0.0038	0.1500	0.1380	335	0.0538	-
				5		Roller (Smooth drum)	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				5		*Grading Fugitive Dust*	*0.14*								2.03	0.20			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
11	**Paving**	1	LS	5	8														
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt Paver	1	8.0	Pavers	175	2.0437	0.1500	2.8500	0.0037	0.1500	0.1380	332	0.0457	-
				5		Onroad Asphalt Trucks	1	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				5		Pick up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				5		*Paving Fugitive VOC*	*0.14*					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
12	**Lighting Improvements**	1	LS	15	8														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				15		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
	Subtotal																		
13	**Service Vehicles and Deliveries**	1	LS	70	N/A														
				70		Service Trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
	Subtotal																		
	Total			**215**															
Phase 3 Construction																			
1	**Demolish buildings A2 & A3**	2	each	30	10														
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	1.7321	0.3165	2.6835	0.0033	0.1500	0.1380	291	0.0321	-
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				30		Dump Trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				30		*Demolition Dust*													
				30		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	0
	Subtotal																		
2	**Import clean soil to bring upland**	1	LS	10	8														

		Emissions									Emissions									
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	
6	**Demolish building H2**																			
		5.35	0.98	8.28	0.01	0.46	0.43	897	0.10	-	0.08	0.01	0.12	0.00	0.01	0.01	13	0.00	-	
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.08	0.01	0.13	0.00	0.01	0.01	13	0.00	-	
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	-	
						0.01	-					-	-	-	0.00	-	-	-	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.02	0.00	0.00	0.00	0.00	0.00	3	0.00	-	
		12	***2***	***17***	***0***	***1***	***1***	***2,129***	***0***	***-***	***0.18***	***0.03***	***0.26***	***0.00***	***0.02***	***0.01***	***32***	***0.00***	***-***	
7	**Import clean soil to bring upland elevation to cell elevation and Trench back fill**																			
		0.21	0.04	0.58	0.00	0.07	0.02	250	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	-	
		5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.04	0.00	0.07	0.00	0.00	0.00	7	0.00	-	
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.04	0.00	0.07	0.00	0.00	0.00	6	0.00	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-	
		13	***1***	***18***	***0***	***1***	***1***	***2,321***	***0***	***-***	***0.09***	***0.01***	***0.14***	***0.00***	***0.01***	***0.01***	***17***	***0.00***	***-***	
8	**Storm Water System w/ oil-water separator**																			
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-	
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.04	0.00	0.04	0.00	0.00	0.00	6	0.00	-	
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-	
		13	***2***	***16***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.07***	***0.01***	***0.08***	***0.00***	***0.01***	***0.00***	***11***	***0.00***	***-***	
9	**Soil Export and Asphalt Removals**																			
		3.94	0.32	6.03	0.01	0.47	0.43	593	0.09	-	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	-	
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-	
		88.06	17.01	248.56	1.00	29.51	9.28	106,578	0.75	-	0.22	0.04	0.62	0.00	0.07	0.02	266	0.00	-	
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-	
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-	
		99	***18***	***263***	***1***	***31***	***10***	***108,335***	***1***	***-***	***0.25***	***0.05***	***0.66***	***0.00***	***0.08***	***0.03***	***271***	***0.00***	***-***	
10	**Grading**																			
		5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-	
		13.75	0.93	17.59	0.02	0.93	0.85	2,070	0.33	-	0.03	0.00	0.04	0.00	0.00	0.00	5	0.00	-	
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-	
						0.41	0.04				-	-	-	-	0.00	0.00	-	-	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-	
		26	***2***	***35***	***0***	***2***	***2***	***4,141***	***1***	***-***	***0.07***	***0.01***	***0.09***	***0.00***	***0.01***	***0.00***	***10***	***0.00***	***-***	
11	**Paving**																			
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-	
		6.31	0.46	8.80	0.01	0.46	0.43	1,025	0.14	-	0.02	0.00	0.02	0.00	0.00	0.00	3	0.00	-	
		0.07	0.01	0.19	0.00	0.02	0.01	83	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-	
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-	
			0.52									0.00	-	-	-	-	-	-	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-	
		13	***2***	***16***	***0***	***1***	***1***	***2,180***	***0***	***-***	***0.03***	***0.01***	***0.04***	***0.00***	***0.00***	***0.00***	***5***	***0.00***	***-***	
12	**Lighting Improvements**																			
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.05	0.00	0.07	0.00	0.00	0.00	9	0.00	-	
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	2	0.00	-	
		9	***1***	***9***	***0***	***1***	***0***	***1,366***	***0***	***-***	***0.06***	***0.00***	***0.07***	***0.00***	***0.01***	***0.00***	***10***	***0.00***	***-***	
13	**Service Vehicles and Deliveries**																			
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	6	0.00	-	
		0	***0***	***0***	***0***	***0***	***0***	***167***	***0***	***-***	***0.00***	***0.00***	***0.01***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	***-***	
	Total	**298**	**55**	**673**	**2**	**52**	**27**	**155,847**	**5**	**0**	**1.40**	**0.26**	**3.05**	**0.01**	**0.20**	**0.12**	**553**	**0.03**	**0.00**	
		550.00	75.00	100.00	150.00	150.00	55.00													
Phase 3 Construction		no	no	yes	no	no	no													
1	**Demolish buildings A2 & A3**																			
		5.35	0.98	8.28	0.01	0.46	0.43	897	0.10	-	0.08	0.01	0.12	0.00	0.01	0.01	13	0.00	-	
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.08	0.01	0.13	0.00	0.01	0.01	13	0.00	-	
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	-	
						0.10	-								0.00	-				
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.03	0.00	0.00	0.00	0.00	0.00	4	0.00	-	
		12	***2***	***17***	***0***	***1***	***1***	***2,183***	***0***	***-***	***0.19***	***0.03***	***0.26***	***0.00***	***0.02***	***0.01***	***33***	***0.00***	***-***	
2	**Import clean soil to bring upland**																			

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	SOx g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
	elevation to street level, trench backfill			10		Dump Trucks	38	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				10		Motor Blade Grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				10		Drum Roller	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
3	**Storm Water System w/ oil-water separator**	1	LS	10	8														
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				10		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				10		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				10		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
4	**Soil Export and Asphalt Removals**		LS	5	10														
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	1.8604	0.1500	2.8500	0.0033	0.2200	0.2024	280	0.0425	-
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	1.6327	0.1992	2.8008	0.0031	0.1500	0.1380	275	0.0325	-
				5		Dump Trucks (3)	3	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				5		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				5		*Workers*	10	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
5	**Grading**	1	LS	5	8														
				5		Blade Grader	1	8.0	Graders	175	1.9121	0.1500	2.8500	0.0036	0.1500	0.1380	321	0.0385	-
				5		Small Dozers (2)	2	8.0	Rubber Tired Dozers	175	2.2282	0.1500	2.8500	0.0038	0.1500	0.1380	335	0.0538	-
				5		Roller (Smooth Drum)	1	8.0	Rollers	175	1.6167	0.1500	2.8500	0.0032	0.1500	0.1380	280	0.0327	-
				5		Grading Fugitive Dust	0.12								2.03	0.20			
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
6	**Paving**	1	LS	5	8														
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				5		Asphalt Paver	1	8.0	Pavers	175	2.0437	0.1500	2.8500	0.0037	0.1500	0.1380	332	0.0457	-
				5		Onroad Asphalt Trucks	1	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				5		Pick Up Trucks (2)	2	20.0	LDT2-TOT	NA	0.0017	0.0001	0.0001	0.0000	0.0009	0.0002	1	0.0000	-
				5		*Paving Fugitive VOC*	0					2.62							
				5		*Workers*	8	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
7	**Lighting Improvements**	1	LS	15	5														
				15		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				15		*Workers*	5	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
8	**Existing Utility Protection**	1	LS	5	5														
				5		Trenching Machine	1	8.0	Trenchers	175	2.2696	0.1500	2.8500	0.0042	0.1500	0.1380	373	0.0502	-
				5		*Workers*	5	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
9	**Construct Buildings to replace buildings A2, A3, C1, & D**	1	LS	180	15	Compressor (3)	3	8.0	Air Compressors	120	1.2543	0.3611	2.1439	0.0021	0.1979	0.1820	177	0.0326	-
				20		Flatbed Truck (20 days)	1	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				9		Cement Trucks	2	60.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
				90		Boom Truck (90 days)	1	8.0	Off-Highway Trucks	500	0.6397	0.2150	1.9251	0.0024	0.0712	0.0655	247	0.0194	-
				180		Small Loader	1	8.0	Tractors/Loaders/Backhoes	175	1.5208	0.2939	2.3190	0.0030	0.1373	0.1263	263	0.0265	-
				180		Small Crane	1	8.0	Cranes	175	1.2579	0.2975	2.2728	0.0023	0.1332	0.1226	208	0.0268	-
				180		Large Fork Lift	1	8.0	Forklifts	500	0.2067	0.0757	0.7309	0.0010	0.0253	0.0232	101	0.0068	-
				180		*Workers*	15	30.0	LDA-TOT	NA	0.0065	0.0007	0.0005	0.0000	0.0009	0.0002	0.9005	0.0001	-
				Subtotal															
10	**Service Vehicles and Deliveries**	1	LS	70	N/A														
				70		Service Trucks (2)	2	20.0	HHDT-DSL	NA	0.0034	0.0007	0.0097	0.0000	0.0012	0.0004	4	0.0000	-
Subtotal																			
	Total			**335**															

		Emissions									Emissions										
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O		
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr		
	elevation to street level, trench	2.61	0.51	7.38	0.03	0.88	0.28	3,164	0.02	-	0.01	0.00	0.04	0.00	0.00	0.00	16	0.00	-		
	backfill	5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.03	0.00	0.04	0.00	0.00	0.00	5	0.00	-		
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		15	***2***	***25***	***0***	***2***	***1***	***5,235***	***0***	***-***	***0.08***	***0.01***	***0.13***	***0.00***	***0.01***	***0.01***	***26***	***0.00***	***-***		
3	Storm Water System w/ oil-water																				
	separator	4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.02	0.00	0.04	0.00	0.00	0.00	4	0.00	-		
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.04	0.00	0.04	0.00	0.00	0.00	6	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		13	***2***	***16***	***0***	***1***	***1***	***2,221***	***0***	***-***	***0.07***	***0.01***	***0.08***	***0.00***	***0.01***	***0.00***	***11***	***0.00***	***-***		
4	Soil Export and Asphalt Removals																				
		3.94	0.32	6.03	0.01	0.47	0.43	593	0.09	-	0.01	0.00	0.02	0.00	0.00	0.00	1	0.00	-		
		5.04	0.61	8.64	0.01	0.46	0.43	850	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		0.21	0.04	0.58	0.00	0.07	0.02	250	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		1.96	0.20	0.16	0.00	0.27	0.05	270	0.02	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		11	***1***	***15***	***0***	***1***	***1***	***2,007***	***0***	***-***	***0.03***	***0.00***	***0.04***	***0.00***	***0.00***	***0.00***	***5***	***0.00***	***-***		
5	Grading																				
		5.90	0.46	8.80	0.01	0.46	0.43	990	0.12	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		13.75	0.93	17.59	0.02	0.93	0.85	2,070	0.33	-	0.03	0.00	0.04	0.00	0.00	0.00	5	0.00	-		
		4.99	0.46	8.80	0.01	0.46	0.43	864	0.10	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
						0.41	0.04				-	-	-	-	0.00	0.00	-	-	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		26	***2***	***35***	***0***	***2***	***2***	***4,141***	***1***	***-***	***0.07***	***0.01***	***0.09***	***0.00***	***0.01***	***0.00***	***10***	***0.00***	***-***		
6	Paving																				
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.01	0.00	0.02	0.00	0.00	0.00	2	0.00	-		
		6.31	0.46	8.80	0.01	0.46	0.43	1,025	0.14	-	0.02	0.00	0.02	0.00	0.00	0.00	3	0.00	-		
		0.07	0.01	0.19	0.00	0.02	0.01	83	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		0.07	0.00	0.00	0.00	0.04	0.01	44.80	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
			0.52								-	0.00	-	-	-	-	-	-	-		
		1.57	0.16	0.13	0.00	0.21	0.04	216	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		13	***2***	***16***	***0***	***1***	***1***	***2,180***	***0***	***-***	***0.03***	***0.01***	***0.04***	***0.00***	***0.00***	***0.00***	***5***	***0.00***	***-***		
7	Lighting Improvements																				
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.05	0.00	0.07	0.00	0.00	0.00	9	0.00	-		
		0.98	0.10	0.08	0.00	0.13	0.03	135	0.01	-	0.01	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		8	***1***	***9***	***0***	***1***	***0***	***1,285***	***0***	***-***	***0.06***	***0.00***	***0.07***	***0.00***	***0.00***	***0.00***	***10***	***0.00***	***-***		
8	Existing Utility Protection																				
		7.01	0.46	8.80	0.01	0.46	0.43	1,150	0.16	-	0.02	0.00	0.02	0.00	0.00	0.00	3	0.00	-		
		0.98	0.10	0.08	0.00	0.13	0.03	135	0.01	-	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	-		
		8	***1***	***9***	***0***	***1***	***0***	***1,285***	***0***	***-***	***0.02***	***0.00***	***0.02***	***0.00***	***0.00***	***0.00***	***3***	***0.00***	***-***		
9	Construct Buildings to replace buildings A2, A3, C1, & D	7.96	2.29	13.61	0.01	1.26	1.16	1,126	0.21	-	0.72	0.21	1.23	0.00	0.11	0.10	101	0.02	-		
		0.07	0.01	0.19	0.00	0.02	0.01	83	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	-		
		0.41	0.08	1.17	0.00	0.14	0.04	500	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	2	0.00	-		
		5.64	1.90	16.98	0.02	0.63	0.58	2,177	0.17	-	0.25	0.09	0.76	0.00	0.03	0.03	98	0.01	-		
		4.69	0.91	7.16	0.01	0.42	0.39	810	0.08	-	0.42	0.08	0.64	0.00	0.04	0.04	73	0.01	-		
		3.88	0.92	7.01	0.01	0.41	0.38	642	0.08	-	0.35	0.08	0.63	0.00	0.04	0.03	58	0.01	-		
		1.82	0.67	6.45	0.01	0.22	0.20	887	0.06	-	0.16	0.06	0.58	0.00	0.02	0.02	80	0.01	-		
		2.94	0.29	0.24	0.00	0.40	0.08	405	0.03	-	0.26	0.03	0.02	0.00	0.04	0.01	36	0.00	-		
		27	***7***	***53***	***0***	***4***	***3***	***6,630***	***1***	***-***	***2.17***	***0.54***	***3.87***	***0.00***	***0.27***	***0.23***	***449***	***0.05***	***-***		
10	Service Vehicles and Deliveries																				
		0.14	0.03	0.39	0.00	0.05	0.01	167	0.00	-	0.00	0.00	0.01	0.00	0.00	0.00	6	0.00	-		
Subtotal		***0***	***0***	***0***	***0***	***0***	***0***	***167***	***0***	***-***	***0.00***	***0.00***	***0.01***	***0.00***	***0.00***	***0.00***	***6***	***0.00***	***-***		
	Total	**135**	**18**	**197**	**0**	**14**	**10**	**27,335**	**3**	**-**	**2.71**	**0.61**	**4.61**	**0.01**	**0.33**	**0.26**	**559**	**0.06**	**-**		

Construction-Mit (Tier3 Dredge)

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Emission Factors CO g/hp-hr or lbs/mi	ROG g/hp-hr or lbs/mi	NOX g/hp-hr or lbs/mi	SOx g/hp-hr or lbs/mi	PM10 g/hp-hr or lbs/mi	PM2.5 g/hp-hr or lbs/mi	CO2 g/hp-hr or lbs/mi	CH4 g/hp-hr or lbs/mi	N2O g/hp-hr or lbs/mi
	*Most common HP in OFFROAD2007 database for Los Angeles County																		
	Construction takes place from 7am to 3:30pm. Assume 8.5 hours/day of construction.																		
	Worker round trip distance	30	miles																
	Truck round trip distance	20	miles																
	Soil/asphalt																		
	1000	tons of soil																	
	800	tons of asphalt																	
	Soil				***Asphalt***														
	1.60	g/cm3			145	lbs/cubic foot													
	1.35	tons/cu yd			1.96	tons/cubic yard													
	742	cubic yards of soil			409	cubic yards of asphalt													
	http://web.ead.anl.gov/resrad/datacoll/soildens.htm																		
	8	hours/day																	
	20	cu yd, truck capacity (URBEMIS)																	
	30	miles roundtrip (URBEMIS)																	
	25	mph																	
	7	trips/day																	
	133	CY/day																	
	1,150	Total CY																	
	9	Days																	

Construction-Mit (Tier3 Dredge)

		Emissions									Emissions										
Item	Description	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O	CO	ROG	NOX	Sox	PM10	PM2.5	CO2	CH4	N2O		
		lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr	tons/yr		
	*Most common HP in OFFROAD2007 da																				
	Construction takes place from 7am to 3																				
	Worker round trip distance																				
	Truck round trip distance																				
	Soil/asphalt																				
	1000																				
	800																				
	Soil																				
	1.60																				
	1.35																				
	742																				
	http://web.ead.anl.gov/resrad/datacoll																				
	8																				
	20																				
	30																				
	25																				
	7																				
	133																				
	1,150																				
	9																				

POLA ALBS

Tugboat Emission Factors

Table X.Tugboat Emission Factor Derivation - Including Load Factors

Tugboat	Main Engine (702 HP)												Auxiliary Engine (50 HP)											
Study Year	MY	Hrs	LF	CO	ROG	NOx	SOx[4]	PM	PM2.5	CO2	CH4	N2O	MY	Hrs	LF	CO	ROG	NOx	SOx[4]	PM	PM2.5	CO2	CH4	N2O
ZH (2000/2001 MY) EF[1]				1.97	0.68	7.31	NA	0.36	0.33	486	0.014	0.023				5.15	2.14	6.90	NA	0.64	0.59	486	0.043	0.023
ULSD FCF[2]				1.00	0.72	0.93	NA	0.72	0.72	1.00	1.00	1.00				1.00	0.72	0.95	NA	0.80	0.80	1.00	1.00	1.00
2009	2001	5,536	0.31	0.67	0.17	2.31	0.002	0.10	0.09	151	0.001	0.007	2000	5,607	0.43	2.35	0.70	3.00	0.002	0.26	0.24	209	0.006	0.010
2011	2001	6,920	0.31	0.68	0.17	2.36	0.002	0.11	0.10	151	0.001	0.007	2000	6,853	0.43	2.38	0.71	3.03	0.002	0.27	0.25	209	0.006	0.010
2012	2001	7,612	0.31	0.69	0.17	2.38	0.002	0.11	0.10	151	0.001	0.007	2000	7,476	0.43	2.40	0.72	3.05	0.002	0.27	0.25	209	0.006	0.010
2013	2001	8,304	0.31	0.70	0.17	2.41	0.002	0.11	0.10	151	0.001	0.007	2000	8,099	0.43	2.41	0.72	3.07	0.002	0.27	0.25	209	0.006	0.010
2014	2001	8,996	0.31	0.71	0.18	2.43	0.002	0.11	0.10	151	0.001	0.007	2000	8,722	0.43	2.43	0.73	3.09	0.002	0.28	0.26	209	0.006	0.010

Note: Emission factors in g/hp-hr.

(1) Zero hour emission factor from CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Appendix B. Main engines are assumed to be replaced by 2013, auxiliary engines by 2014.
Should this be Tier 2? Then it woud be 4.8 g/hp-hr per EPA http://www.epa.gov/nonroad-diesel/frm1998/nr-fr.pdf, but this is NMHC + NOx

(2) Source: 2009 Port of LA Emissions Inventory, Table 4.8. Applied to emission factors pre-2011, except for CO2, CH4, and N2O to which it is assumed they do not apply.

(3) Source: CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Table II-4.
Applied to engine model years newer than 2011.

(4) SOx (gms/hp-hr) = (S content in X/1,000,000) x (2 SO2/g S) x BSFC (184 g/hp-hr).
The sulfur content is assumed to be 15ppm per 13 CCR 2281(a).

(5) The CH4 emission factor is 2% of the ROG factor. Source: 2009 POLA EI.

(6) The 2011 emission factors are determined by as follows: Calculate the emission factors for 2011 using the 2009 POLA EI methodology. Determine the increase in the emission factor for each pollutant due to engine deterioration, and then multiply the emission factors for the baseline APL tug fleet by this increase to determine the APL fleet emission factor in 2011. Baseline emission factors are taken from the CARB Regulation.

g/kWh	
CO2	N2O
652	0.031

Source: IVL, Methodology for Calculating Emissions from Ships: Update on Emission Factors."
Prepared by IVL Swedish Environmental Research Institute for the Swedish Environmental Protection Agency.

g/hp-hr	
CO2	N2O
486	0.023

Methodology:
EF = ZH + (DR x cumulative hours)
DR = (DF x ZH) / cumulative hours at the end of useful life

0.746 kW/hp

0.92 PM2.5/PM10 (from: W:\Draft Inventory\Ship EI\[APL Operations-Ships 11_01_10 v14.xls]PM
CARB CEIDARS Profile 425 - Diesel Engine Exhaust

APPENDIX A COMMERCIAL HARBOR CRAFT EMISSION FACTOR TABLE

		Main Engine					Auxiliary Engine				
HP Range	**Model Year**	**CO**	**ROG**	**Nox**	**PM**	**PM2.5[1]**	**CO**	**ROG**	**Nox**	**PM**	**PM2.5[1]**
25-50 hp	pre-1998	3.65	1.84	8.14	0.72	0.66	5.15	2.19	6.9	0.64	0.59
	1998-1999	3.65	1.8	8.14	0.72	0.66	5.15	2.14	6.9	0.64	0.59
	2000-2004	3.65	1.8	7.31	0.72	0.66	5.15	2.14	6.9	0.64	0.59
	2005-2008	3.73	1.8	5.32	0.3	0.28	3.73	2.14	5.32	0.3	0.28
	2009-2020	3.73	1.8	5.32	0.22	0.20	3.73	2.14	5.32	0.22	0.20
501-750 hp	pre-1971	3.07	1.26	16.52	0.7	0.64	4.33	1.5	14	0.62	0.57
	1971-1978	3.07	1.05	15.34	0.6	0.55	4.33	1.25	13	0.53	0.49
	1979-1983	3.07	0.95	14.16	0.5	0.46	4.33	1.13	12	0.45	0.41
	1984-1986	3.07	0.9	12.98	0.5	0.46	4.33	1.07	11	0.45	0.41
	1987-1994	2.99	0.84	12.98	0.5	0.46	4.22	1	11	0.45	0.41
	1995-1999	1.97	0.68	9.64	0.36	0.33	2.78	0.81	8.17	0.32	0.29
	2000-2006	1.97	0.68	7.31	0.36	0.33	2.78	0.81	7.31	0.32	0.29
	2007-2012	3.73	0.68	5.1	0.15	0.14	3.73	0.81	5.1	0.15	0.14
	2013-2020	3.73	0.68	3.99	0.08	0.07	3.73	0.81	3.99	0.08	0.07

Note: Emission factors in g/hp-hr.
Source: CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Appendix B.
[1]PM2.5 emission factors are derived from the PM emission factors using CARB CEIDARS Profile 425.

Table 4.1: Propulsion Engine Data by Vessel Category

Harbor	Vessel	Engine	Model year			Horsepower			Annual Operating Hrs		
Vessel Type	**Count**	**Count**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**
Tugboat	20	40	1980	2009	2001	200	1,500	**702**	0	2,827	692

Source: 2009 POLA EI, Table 4.1

Table 4.2: Auxiliary Engine Data by Vessel Category

Harbor	Vessel	Engine	Model year			Horsepower			Annual Operating Hrs		
Vessel Type	**Count**	**Count**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**
Tugboat	20	28	1970	2009	2000	14	101	**50**	0	2,875	623

Source: 2009 POLA EI, Table 4.2

Table 4.6: Engine Deterioration Factors for Harbor Craft Diesel Engines				
HP Range	CO	HC	NOx	PM
25-50	0.41	0.51	0.06	0.31
51-250	0.16	0.28	0.14	0.44
>251	0.25	0.44	0.21	0.67

Source: 2009 POLA EI

Table 4.7: Useful Life by Vessel Type and Engine Type, years		
Vessel Type	Auxiliary Engines	Main Engines
Tugboat	23	21

Source: 2009 POLA EI

Table 4.8: Fuel Correction Factors for ULSD									
MY	CO	HC	NOx	SOx	PM	PM2.5[1]	CO2	CH4	N2O
< 1995	1	0.72	0.93	0.043	0.72	0.72	1	0.72	0.93
1996+	1	0.72	0.95	0.043	0.8	0.8	1	0.72	0.95

Source: 2009 POLA EI

1. PM2.5 ULSD correction factor is assumed to be equivalent to the factor for PM.

Table II-4 Fuel Correction Factor				
Year	HP Range	MY	NOx	PM
1994-2006	<25	Pre-1995	0.93	0.75
	25-50	Pre-1999		
	51-100	Pre-1998		
	101-175	Pre-1997		
	176+	Pre-1996		
	<25	1995+	0.948	0.822
	25-50	1999-2010		
	51-100	1998-2010		
	101-175	1997-2010		
	176+	1996-2010		
2007+	<25	Pre-1995	0.93	0.72
	25-50	Pre-1999		
	51-100	Pre-1998		
	101-175	Pre-1997		
	176+	Pre-1996		
	<25	1995+	0.948	0.800
	25-50	1999-2010		
	51-100	1998-2010		
	101-175	1997-2010		
	176+	1996-2010		
	All	2011+	0.948	0.852

Source: CARB In-Use Harbor Craft Regulation

Table 4.9: Load Factors		
Harbor Vessel Type	Auxiliary Engines	Main Engines
Assist tug	0.43	0.31
Commercial fishing	0.43	0.27
Crew boat	0.43	0.45
Excursion	0.43	0.42
Ferry	0.43	0.42
Government	0.43	0.51
Ocean tug	0.43	0.68
Tugboat	0.43	0.31
Work boat	0.43	0.45

AERMOD Emission Rates for Dispersion Analysis

Unmitigated

Source ID	Area (m2)	Nox				PM10				PM2.5				CO	
		Peak Hour (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)
Phase1	4,520	89.6	1.4119	1.29	0.0372	3.6	0.0567	0.09	0.0025	3.3	0.0520	0.07	0.0020	33.6	0.5295
Phase1D	2,332	127.7	2.0110	2.50	0.0719	5.1	0.0802	0.09	0.0026	4.7	0.0736	0.08	0.0024	43.7	0.6880
Phase2	2,927	19.4	0.3059	0.81	0.0234	1.1	0.0176	0.06	0.0017	1.0	0.0161	0.04	0.0013	11.0	0.1728
Phase2D	10,288	127.7	2.0115	1.72	0.0495	5.1	0.0802	0.07	0.0019	4.7	0.0737	0.06	0.0017	43.7	0.6881
Phase3	2,463	138.2	2.1759	4.64	0.1336	12.0	0.1894	0.30	0.0085	7.7	0.1215	0.26	0.0075	71.5	1.1257
										21.4	0.1256				

Mitigated - Tier 3 Dredge

Source ID	Area (m2)	Nox				PM10				PM2.5				CO	
		Peak Hour (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)
Phase1	4,520	84.6	1.3331	1.14	0.0328	3.4	0.0538	0.070	0.0020	3.1	0.0494	0.06	0.0017	33.6	0.5290
Phase1D	2,332	127.7	2.0106	2.40	0.0691	5.1	0.0796	0.085	0.0024	4.6	0.0731	0.08	0.0024	43.7	0.6879
Phase2	2,927	18.4	0.2898	0.72	0.0206	0.9	0.0147	0.045	0.0013	0.9	0.0135	0.04	0.0010	10.9	0.1722
Phase2D	10,288	127.7	2.0108	1.70	0.0488	5.1	0.0796	0.060	0.0017	4.6	0.0731	0.06	0.0017	43.7	0.6879
Phase3	2,463	122.9	1.9360	4.54	0.1305	7.0	0.1109	0.262	0.0075	6.1	0.0965	0.25	0.0072	71.4	1.1245

Mitigated - Electric Dredge

Source ID	Area (m2)	Nox				PM10				PM2.5				CO	
		Peak Hour (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)	Annual (tpy)	Annual (g/s)	Peak Day (lbs/day)	Peak Hour (g/s)
Phase1	4,520	84.6	1.3331	1.14	0.0328	3.4	0.0538	0.070	0.0020	3.1	0.0494	0.06	0.0017	33.6	0.5290
Phase1D	2,332	80.9	1.2736	2.24	0.0645	3.4	0.0542	0.085	0.0024	3.2	0.0497	0.08	0.0023	29.1	0.4577
Phase2	2,927	18.4	0.2898	0.72	0.0206	0.9	0.0147	0.045	0.0013	0.9	0.0135	0.04	0.0010	10.9	0.1722
Phase2D	10,288	80.9	1.2738	1.16	0.0335	3.4	0.0542	0.060	0.0017	3.2	0.0497	0.04	0.0012	29.1	0.4577
Phase3	2,463	122.9	1.9360	4.54	0.1305	7.0	0.1109	0.262	0.0075	6.1	0.0965	0.25	0.0073	71.4	1.1245

Unmitigated

		Phase 1	Phase 2	Phase 3	Max	Background	Max + Background	Standard
CO	1Hr	1,564	915	2,155	2,155	4,600	6,755	23000
	8Hr	424	330	620	620	2,878	3,498	10000
NO2	1Hr - NAAQS	405	291	367	405	147	**552**	188
	1Hr	492	309	457	492	235	**727**	339
	Annual	1.7	1.4	1.7	2	40	42	57
PM10	24Hr	15.9	12.7	30.3	**30.3**	NA	NA	10.4
	Annual	0.13	0.09	0.17	0.2	NA	NA	1
PM2.5	24Hr	13.64	11.63	19.42	**19.4**	NA	NA	10.4

Mitigated

		Phase 1	Phase 2	Phase 3	Max	Background	Max + Background	Standard
CO	1Hr	1,562	915	2,151	2,151	4,600	6,751	23000
	8Hr	423	329	619	619	2,878	3,496	10000
NO2	1Hr - NAAQS	395	290	332	395	147	**542**	188
	1Hr	478	309	410	478	235	**713**	339
	Annual	1.6	1.4	1.7	2	40	42	57
PM10	24Hr	15.2	12.5	17.8	**17.8**	NA	NA	10.4
	Annual	0.11	0.08	0.15	0.2	NA	NA	1
PM2.5	24Hr	13.91	11.49	15.43	**15.4**	NA	NA	10.4

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:43:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.85	3,733,112.64	547.64	0	0	0	1-HR	PHASE1	1ST	7021007		547.64	ALBS
382683.73	3,733,072.49	503.12	0	0	0	1-HR	PHASE1	1ST	7030807		503.12	ALBS
382647.97	3,733,058.95	492.92	0	0	0	1-HR	PHASE1	1ST	6121407		492.92	ALBS
382613.22	3,733,046.18	501.66	0	0	0	1-HR	PHASE1	1ST	6111007		501.66	ALBS
382583.03	3,733,019.88	416.77	1.81	1.81	0	1-HR	PHASE1	1ST	6111807		416.77	ALBS
382553.66	3,733,037.88	500.93	3.46	3.46	0	1-HR	PHASE1	1ST	6110207		500.93	ALBS
382536.08	3,733,073.24	592.94	3.18	3.18	0	1-HR	PHASE1	1ST	7072606		592.94	ALBS
382501.43	3,733,099.54	732.53	3.16	3.16	0	1-HR	PHASE1	1ST	6101706		732.53	ALBS
382483.38	3,733,121.59	871.40	3.21	3.21	0	1-HR	PHASE1	1ST	6120906		871.40	ALBS
382470.23	3,733,141.02	1,026.20	3.16	3.16	0	1-HR	PHASE1	1ST	7042206		1,026.20	ALBS
382460.59	3,733,177.95	1,563.83	3.66	3.66	0	1-HR	PHASE1	1ST	7072506		1,563.83	ALBS
382458.02	3,733,210.98	1,542.18	4.16	4.16	0	1-HR	PHASE1	1ST	6110907		1,542.18	ALBS
382456.33	3,733,238.39	1,334.78	4.61	4.61	0	1-HR	PHASE1	1ST	6110306		1,334.78	ALBS
382454.65	3,733,265.80	928.06	5.12	5.12	0	1-HR	PHASE1	1ST	7021807		928.06	ALBS
382489.93	3,733,291.51	934.58	4.49	4.49	0	1-HR	PHASE1	1ST	6121506		934.58	ALBS
382518.43	3,733,301.17	1,098.46	2.67	2.67	0	1-HR	PHASE1	1ST	6121506		NA	Overwater
382610.87	3,733,260.89	1,439.36	0	0	0	1-HR	PHASE1	1ST	7021406		NA	Overwater
382658.09	3,733,187.01	837.03	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382676.06	3,733,156.45	692.04	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382684.97	3,733,141.45	638.80	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382673.11	3,733,100.55	567.93	0	0	0	1-HR	PHASE1	1ST	7030807		NA	Overwater
382637.35	3,733,087.01	561.12	0	0	0	1-HR	PHASE1	1ST	6121407		NA	Fenceline
382602.87	3,733,074.34	564.03	0	0	0	1-HR	PHASE1	1ST	6111007		NA	Fenceline
382602.05	3,733,051.11	502.08	0	3.43	0	1-HR	PHASE1	1ST	6111007		502.08	ALBS
382581.18	3,733,049.82	480.94	2.04	2.04	0	1-HR	PHASE1	1ST	6111807		NA	Fenceline
382572.84	3,733,069.05	556.31	2.99	3.17	0	1-HR	PHASE1	1ST	6110207		NA	Fenceline
382562.24	3,733,087.93	643.42	2.92	2.92	0	1-HR	PHASE1	1ST	6110207		NA	Fenceline
382520.63	3,733,122.59	860.88	3.16	3.16	0	1-HR	PHASE1	1ST	7072606		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382541.95	3,733,133.76	922.51	3.17	3.17	0	1-HR	PHASE1	1ST	7072606		NA	Fenceline
382526.98	3,733,163.31	1,240.71	3.39	3.39	0	1-HR	PHASE1	1ST	6101706		NA	Fenceline
382499.23	3,733,148.70	1,124.20	3.05	3.05	0	1-HR	PHASE1	1ST	6120906		NA	Fenceline
382494.38	3,733,167.01	1,385.50	2.92	2.92	0	1-HR	PHASE1	1ST	7042206		NA	Fenceline
382489.65	3,733,185.42	2,015.54	3.22	3.22	0	1-HR	PHASE1	1ST	7072506		NA	Fenceline
382484.59	3,733,267.64	1,115.47	4.28	4.28	0	1-HR	PHASE1	1ST	7021807		1,115.47	ALBS
382502.13	3,733,248.17	1,720.34	3.72	3.72	0	1-HR	PHASE1	1ST	7082806		NA	Fenceline
382552.99	3,733,272.03	2,153.44	0.96	2.92	0	1-HR	PHASE1	1ST	6110306		NA	Fenceline
382560.13	3,733,276.21	2,017.44	0.42	0.42	0	1-HR	PHASE1	1ST	6110306		NA	Overwater
382579.71	3,733,242.72	1,722.34	0.37	0.37	0	1-HR	PHASE1	1ST	6101706		NA	Overwater
382591.57	3,733,249.31	1,523.50	0.05	0.05	0	1-HR	PHASE1	1ST	6101706		NA	Overwater
382588.68	3,733,254.36	1,590.06	0	0	0	1-HR	PHASE1	1ST	6120906		NA	Overwater
382598.46	3,733,259.71	1,421.17	0	0	0	1-HR	PHASE1	1ST	6101706		NA	Overwater
382601.96	3,733,255.41	1,383.06	0	0	0	1-HR	PHASE1	1ST	7072606		NA	Overwater
382626.61	3,733,236.26	1,252.17	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382642.35	3,733,211.64	1,015.16	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382667.08	3,733,171.73	756.88	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382679.04	3,733,121.00	605.33	0	0	0	1-HR	PHASE1	1ST	6110807		NA	Overwater
382655.23	3,733,093.78	552.10	0	0	0	1-HR	PHASE1	1ST	6090306		NA	Overwater
382620.11	3,733,080.68	576.29	0	0	0	1-HR	PHASE1	1ST	6111007		NA	FENCEINT
382541.44	3,733,105.26	730.67	3.16	3.16	0	1-HR	PHASE1	1ST	7072606		NA	FENCEINT
382534.46	3,733,148.54	1,050.17	3.25	3.25	0	1-HR	PHASE1	1ST	7072606		NA	FENCEINT
382513.11	3,733,156.01	1,196.57	3.26	3.26	0	1-HR	PHASE1	1ST	6101706		NA	FENCEINT
382487.96	3,733,212.83	2,191.09	3.58	3.58	0	1-HR	PHASE1	1ST	6111907		NA	FENCEINT
382486.28	3,733,240.23	1,700.99	3.91	3.91	0	1-HR	PHASE1	1ST	6110306		NA	FENCEINT
382527.56	3,733,260.10	1,906.94	3.23	3.23	0	1-HR	PHASE1	1ST	6110306		NA	FENCEINT
382569.92	3,733,259.47	2,345.58	0.35	2.92	0	1-HR	PHASE1	1ST	6111907		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

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* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	Type
382707.85	3733112.6	915.1764	0	0	0	1-HR	PHASE2	1ST	6121407	915.18	ALBS
382683.73	3733072.5	536.3829	0	0	0	1-HR	PHASE2	1ST	6111807	536.38	ALBS
382647.97	3733059	432.3706	0	0	0	1-HR	PHASE2	1ST	6110207	432.37	ALBS
382613.22	3733046.2	376.6973	0	0	0	1-HR	PHASE2	1ST	7072606	376.70	ALBS
382583.03	3733019.9	324.1895	1.81	1.81	0	1-HR	PHASE2	1ST	7072606	324.19	ALBS
382553.66	3733037.9	333.7264	3.46	3.46	0	1-HR	PHASE2	1ST	6101706	333.73	ALBS
382536.08	3733073.2	381.2044	3.18	3.18	0	1-HR	PHASE2	1ST	6120906	381.20	ALBS
382501.43	3733099.5	469.7572	3.16	3.16	0	1-HR	PHASE2	1ST	7072506	469.76	ALBS
382483.38	3733121.6	488.8293	3.21	3.21	0	1-HR	PHASE2	1ST	6111907	488.83	ALBS
382470.23	3733141	447.9502	3.16	3.16	0	1-HR	PHASE2	1ST	6111907	447.95	ALBS
382460.59	3733178	450.3407	3.66	3.66	0	1-HR	PHASE2	1ST	6110306	450.34	ALBS
382458.02	3733211	415.2402	4.16	4.16	0	1-HR	PHASE2	1ST	7021807	415.24	ALBS
382456.33	3733238.4	372.8728	4.61	4.61	0	1-HR	PHASE2	1ST	7051106	372.87	ALBS
382454.65	3733265.8	367.3357	5.12	5.12	0	1-HR	PHASE2	1ST	6121506	367.34	ALBS
382489.93	3733291.5	420.9582	4.49	4.49	0	1-HR	PHASE2	1ST	6121506	420.96	ALBS
382518.43	3733301.2	497.3261	2.67	2.67	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382610.87	3733260.9	853.8959	0	0	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382658.09	3733187	770.9428	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382676.06	3733156.5	911.1442	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382684.97	3733141.5	967.9654	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382673.11	3733100.6	613.1712	0	0	0	1-HR	PHASE2	1ST	6110207	NA	Overwater
382637.35	3733087	464.9712	0	0	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382602.87	3733074.3	417.8301	0	0	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382602.05	3733051.1	379.4648	0	3.43	0	1-HR	PHASE2	1ST	7072606	379.46	ALBS
382581.18	3733049.8	356.9865	2.04	2.04	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382572.84	3733069.1	388.9891	2.99	3.17	0	1-HR	PHASE2	1ST	6101706	NA	Fenceline
382562.24	3733087.9	430.6296	2.92	2.92	0	1-HR	PHASE2	1ST	6101706	NA	Fenceline
382520.63	3733122.6	575.9315	3.16	3.16	0	1-HR	PHASE2	1ST	7072506	NA	Fenceline
382541.95	3733133.8	640.5911	3.17	3.17	0	1-HR	PHASE2	1ST	7072506	NA	Fenceline
382526.98	3733163.3	721.1828	3.39	3.39	0	1-HR	PHASE2	1ST	6111907	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)			Impact	Type
382499.23	3733148.7	568.6842		3.05		3.05		0	1-HR	PHASE2	1ST	6111907	NA	Fenceline
382494.38	3733167	536.2301		2.92		2.92		0	1-HR	PHASE2	1ST	6110907	NA	Fenceline
382489.65	3733185.4	540.4944		3.22		3.22		0	1-HR	PHASE2	1ST	6110306	NA	Fenceline
382484.59	3733267.6	438.6267		4.28		4.28		0	1-HR	PHASE2	1ST	6121506	438.63	ALBS
382502.13	3733248.2	475.6973		3.72		3.72		0	1-HR	PHASE2	1ST	6121506	NA	Fenceline
382552.99	3733272	655.2359		0.96		2.92		0	1-HR	PHASE2	1ST	6121506	NA	Fenceline
382560.13	3733276.2	701.5726		0.42		0.42		0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382579.71	3733242.7	728.6622		0.37		0.37		0	1-HR	PHASE2	1ST	6121506	NA	Overwater
382591.57	3733249.3	744.5182		0.05		0.05		0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382588.68	3733254.4	744.2506		0		0		0	1-HR	PHASE2	1ST	6121506	NA	Overwater
382598.46	3733259.7	819.5541		0		0		0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382601.96	3733255.4	817.2398		0		0		0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382626.61	3733236.3	757.4214		0		0		0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382642.35	3733211.6	638.3832		0		0		0	1-HR	PHASE2	1ST	7072606	NA	Overwater
382667.08	3733171.7	843.8321		0		0		0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382679.04	3733121	747.2258		0		0		0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382655.23	3733093.8	529.6826		0		0		0	1-HR	PHASE2	1ST	6110207	NA	Overwater
382620.11	3733080.7	438.4651		0		0		0	1-HR	PHASE2	1ST	7072606	NA	FENCEINT
382541.44	3733105.3	465.6057		3.16		3.16		0	1-HR	PHASE2	1ST	7042206	NA	FENCEINT
382534.46	3733148.5	727.654		3.25		3.25		0	1-HR	PHASE2	1ST	7072506	NA	FENCEINT
382513.11	3733156	636.5826		3.26		3.26		0	1-HR	PHASE2	1ST	6111907	NA	FENCEINT
382487.96	3733212.8	490.0059		3.58		3.58		0	1-HR	PHASE2	1ST	7021807	NA	FENCEINT
382486.28	3733240.2	429.6537		3.91		3.91		0	1-HR	PHASE2	1ST	7051106	NA	FENCEINT
382527.56	3733260.1	569.2977		3.23		3.23		0	1-HR	PHASE2	1ST	6121506	NA	FENCEINT
382569.92	3733259.5	762.6915		0.35		2.92		0	1-HR	PHASE2	1ST	6121506	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

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* MODELING OPTIONS USED: 07:43:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.85	3733112.6	1043.517	0	0	0	1-HR	PHASE3	1ST	6103107	1,043.52	ALBS
382683.73	3733072.5	1036.465	0	0	0	1-HR	PHASE3	1ST	7013107	1,036.46	ALBS
382647.97	3733059	1170.355	0	0	0	1-HR	PHASE3	1ST	7021007	1,170.35	ALBS
382613.22	3733046.2	1102.232	0	0	0	1-HR	PHASE3	1ST	6090306	1,102.23	ALBS
382583.03	3733019.9	987.4388	1.81	1.81	0	1-HR	PHASE3	1ST	6111007	987.44	ALBS
382553.66	3733037.9	946.1362	3.46	3.46	0	1-HR	PHASE3	1ST	6111807	946.14	ALBS
382536.08	3733073.2	1407.547	3.18	3.18	0	1-HR	PHASE3	1ST	6110207	1,407.55	ALBS
382501.43	3733099.5	1624.502	3.16	3.16	0	1-HR	PHASE3	1ST	6101706	1,624.50	ALBS
382483.38	3733121.6	2155.424	3.21	3.21	0	1-HR	PHASE3	1ST	7072506	2,155.42	ALBS
382470.23	3733141	2076.685	3.16	3.16	0	1-HR	PHASE3	1ST	6111907	2,076.68	ALBS
382460.59	3733178	1884.893	3.66	3.66	0	1-HR	PHASE3	1ST	7041006	1,884.89	ALBS
382458.02	3733211	1664.682	4.16	4.16	0	1-HR	PHASE3	1ST	6121506	1,664.68	ALBS
382456.33	3733238.4	1429.644	4.61	4.61	0	1-HR	PHASE3	1ST	6111906	1,429.64	ALBS
382454.65	3733265.8	1031.921	5.12	5.12	0	1-HR	PHASE3	1ST	6090506	1,031.92	ALBS
382489.93	3733291.5	1036.309	4.49	4.49	0	1-HR	PHASE3	1ST	6102306	1,036.31	ALBS
382518.43	3733301.2	917.7041	2.67	2.67	0	1-HR	PHASE3	1ST	7030707	NA	Overwater
382610.87	3733260.9	1169.572	0	0	0	1-HR	PHASE3	1ST	7060206	NA	Overwater
382658.09	3733187	1478.103	0	0	0	1-HR	PHASE3	1ST	6092707	NA	Overwater
382676.06	3733156.5	1428.972	0	0	0	1-HR	PHASE3	1ST	7021406	NA	Overwater
382684.97	3733141.5	1280.912	0	0	0	1-HR	PHASE3	1ST	7021406	NA	Overwater
382673.11	3733100.6	1262.199	0	0	0	1-HR	PHASE3	1ST	6102906	NA	Overwater
382637.35	3733087	1472.005	0	0	0	1-HR	PHASE3	1ST	7013106	NA	Fenceline
382602.87	3733074.3	1459.487	0	0	0	1-HR	PHASE3	1ST	7030807	NA	Fenceline
382602.05	3733051.1	1167.53	0	3.43	0	1-HR	PHASE3	1ST	6090306	1,167.53	ALBS
382581.18	3733049.8	1257.339	2.04	2.04	0	1-HR	PHASE3	1ST	6111007	NA	Fenceline
382572.84	3733069.1	1525.418	2.99	3.17	0	1-HR	PHASE3	1ST	6111007	NA	Fenceline
382562.24	3733087.9	1833.34	2.92	2.92	0	1-HR	PHASE3	1ST	6111007	NA	Fenceline
382520.63	3733122.6	2433.496	3.16	3.16	0	1-HR	PHASE3	1ST	6101706	NA	Fenceline
382541.95	3733133.8	3083.154	3.17	3.17	0	1-HR	PHASE3	1ST	6110207	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382526.98	3733163.3	3075.216	3.39	3.39	0	1-HR	PHASE3	1ST		7072506	NA	Fenceline
382499.23	3733148.7	2944.027	3.05	3.05	0	1-HR	PHASE3	1ST		6111907	NA	Fenceline
382494.38	3733167	2836.932	2.92	2.92	0	1-HR	PHASE3	1ST		7083106	NA	Fenceline
382489.65	3733185.4	2603.116	3.22	3.22	0	1-HR	PHASE3	1ST		7021807	NA	Fenceline
382484.59	3733267.6	1148.861	4.28	4.28	0	1-HR	PHASE3	1ST		7021806	1,148.86	ALBS
382502.13	3733248.2	1583.511	3.72	3.72	0	1-HR	PHASE3	1ST		7021806	NA	Fenceline
382552.99	3733272	1738.494	0.96	2.92	0	1-HR	PHASE3	1ST		6091906	NA	Fenceline
382560.13	3733276.2	1699.673	0.42	0.42	0	1-HR	PHASE3	1ST		7072706	NA	Overwater
382579.71	3733242.7	2186.7	0.37	0.37	0	1-HR	PHASE3	1ST		7042706	NA	Overwater
382591.57	3733249.3	1655.648	0.05	0.05	0	1-HR	PHASE3	1ST		7042706	NA	Overwater
382588.68	3733254.4	1758.469	0	0	0	1-HR	PHASE3	1ST		7042706	NA	Overwater
382598.46	3733259.7	1436.517	0	0	0	1-HR	PHASE3	1ST		7060206	NA	Overwater
382601.96	3733255.4	1381.6	0	0	0	1-HR	PHASE3	1ST		7060206	NA	Overwater
382626.61	3733236.3	1345.478	0	0	0	1-HR	PHASE3	1ST		7030607	NA	Overwater
382642.35	3733211.6	1485.112	0	0	0	1-HR	PHASE3	1ST		7020608	NA	Overwater
382667.08	3733171.7	1415.453	0	0	0	1-HR	PHASE3	1ST		6101007	NA	Overwater
382679.04	3733121	1287.661	0	0	0	1-HR	PHASE3	1ST		6103107	NA	Overwater
382655.23	3733093.8	1368.758	0	0	0	1-HR	PHASE3	1ST		7013107	NA	Overwater
382620.11	3733080.7	1561.367	0	0	0	1-HR	PHASE3	1ST		6110807	NA	FENCEINT
382541.44	3733105.3	2116.022	3.16	3.16	0	1-HR	PHASE3	1ST		6110207	NA	FENCEINT
382534.46	3733148.5	3079.033	3.25	3.25	0	1-HR	PHASE3	1ST		6101706	NA	FENCEINT
382513.11	3733156	3307.524	3.26	3.26	0	1-HR	PHASE3	1ST		6111907	NA	FENCEINT
382487.96	3733212.8	2328.461	3.58	3.58	0	1-HR	PHASE3	1ST		6111906	NA	FENCEINT
382486.28	3733240.2	1623.251	3.91	3.91	0	1-HR	PHASE3	1ST		6090506	NA	FENCEINT
382527.56	3733260.1	1574.471	3.23	3.23	0	1-HR	PHASE3	1ST		6102306	NA	FENCEINT
382569.92	3733259.5	1964.643	0.35	2.92	0	1-HR	PHASE3	1ST		7072706	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:43:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)		Impact	Type
382707.85	3733112.6	209.8643	0	0	0	8-HR	PHASE1	1ST	7022108			209.86	ALBS
382683.73	3733072.5	184.071	0	0	0	8-HR	PHASE1	1ST	6122608			184.07	ALBS
382647.97	3733059	177.0266	0	0	0	8-HR	PHASE1	1ST	6122408			177.03	ALBS
382613.22	3733046.2	152.7326	0	0	0	8-HR	PHASE1	1ST	6120608			152.73	ALBS
382583.03	3733019.9	121.702	1.81	1.81	0	8-HR	PHASE1	1ST	6120608			121.70	ALBS
382553.66	3733037.9	104.3391	3.46	3.46	0	8-HR	PHASE1	1ST	6120708			104.34	ALBS
382536.08	3733073.2	128.4786	3.18	3.18	0	8-HR	PHASE1	1ST	6120708			128.48	ALBS
382501.43	3733099.5	155.6178	3.16	3.16	0	8-HR	PHASE1	1ST	7011108			155.62	ALBS
382483.38	3733121.6	162.9191	3.21	3.21	0	8-HR	PHASE1	1ST	7011108			162.92	ALBS
382470.23	3733141	240.6245	3.16	3.16	0	8-HR	PHASE1	1ST	6120908			240.62	ALBS
382460.59	3733178	364.1056	3.66	3.66	0	8-HR	PHASE1	1ST	6120908			364.11	ALBS
382458.02	3733211	304.6541	4.16	4.16	0	8-HR	PHASE1	1ST	7012708			304.65	ALBS
382456.33	3733238.4	284.0399	4.61	4.61	0	8-HR	PHASE1	1ST	7020708			284.04	ALBS
382454.65	3733265.8	343.2401	5.12	5.12	0	8-HR	PHASE1	1ST	6121508			343.24	ALBS
382489.93	3733291.5	390.8892	4.49	4.49	0	8-HR	PHASE1	1ST	6121508			390.89	ALBS
382518.43	3733301.2	453.8826	2.67	2.67	0	8-HR	PHASE1	1ST	6121508			NA	Overwater
382610.87	3733260.9	589.9177	0	0	0	8-HR	PHASE1	1ST	7020108			NA	Overwater
382658.09	3733187	363.1382	0	0	0	8-HR	PHASE1	1ST	7013108			NA	Overwater
382676.06	3733156.5	288.8636	0	0	0	8-HR	PHASE1	1ST	7013108			NA	Overwater
382684.97	3733141.5	257.1991	0	0	0	8-HR	PHASE1	1ST	7013108			NA	Overwater
382673.11	3733100.6	217.7241	0	0	0	8-HR	PHASE1	1ST	6122608			NA	Overwater
382637.35	3733087	207.5511	0	0	0	8-HR	PHASE1	1ST	6122408			NA	Fenceline
382602.87	3733074.3	175.1461	0	0	0	8-HR	PHASE1	1ST	6122408			NA	Fenceline
382602.05	3733051.1	154.6336	0	3.43	0	8-HR	PHASE1	1ST	6120608			154.63	ALBS
382581.18	3733049.8	143.3774	2.04	2.04	0	8-HR	PHASE1	1ST	6120608			NA	Fenceline
382572.84	3733069.1	153.6006	2.99	3.17	0	8-HR	PHASE1	1ST	6120608			NA	Fenceline
382562.24	3733087.9	159.482	2.92	2.92	0	8-HR	PHASE1	1ST	6120608			NA	Fenceline
382520.63	3733122.6	183.1043	3.16	3.16	0	8-HR	PHASE1	1ST	7011108			NA	Fenceline
382541.95	3733133.8	247.4378	3.17	3.17	0	8-HR	PHASE1	1ST	7012608			NA	Fenceline
382526.98	3733163.3	315.1018	3.39	3.39	0	8-HR	PHASE1	1ST	7012608			NA	Fenceline
382499.23	3733148.7	223.8622	3.05	3.05	0	8-HR	PHASE1	1ST	6120908			NA	Fenceline
382494.38	3733167	350.6926	2.92	2.92	0	8-HR	PHASE1	1ST	6120908			NA	Fenceline
382489.65	3733185.4	494.5168	3.22	3.22	0	8-HR	PHASE1	1ST	6120908			NA	Fenceline
382484.59	3733267.6	424.1205	4.28	4.28	0	8-HR	PHASE1	1ST	6121508			424.12	ALBS
382502.13	3733248.2	446.5055	3.72	3.72	0	8-HR	PHASE1	1ST	6121508			NA	Fenceline
382552.99	3733272	480.3245	0.96	2.92	0	8-HR	PHASE1	1ST	7012708			NA	Fenceline
382560.13	3733276.2	497.6868	0.42	0.42	0	8-HR	PHASE1	1ST	6121508			NA	Overwater
382579.71	3733242.7	507.7574	0.37	0.37	0	8-HR	PHASE1	1ST	7012608			NA	Overwater
382591.57	3733249.3	552.5665	0.05	0.05	0	8-HR	PHASE1	1ST	7012608			NA	Overwater
382588.68	3733254.4	464.9187	0	0	0	8-HR	PHASE1	1ST	7012608			NA	Overwater
382598.46	3733259.7	465.1712	0	0	0	8-HR	PHASE1	1ST	7012608			NA	Overwater
382601.96	3733255.4	543.7561	0	0	0	8-HR	PHASE1	1ST	7012608			NA	Overwater
382626.61	3733236.3	563.3792	0	0	0	8-HR	PHASE1	1ST	7013108			NA	Overwater

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)			Impact	Type
382642.35	3733211.6	439.0943		0		0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382667.08	3733171.7	324.3282		0		0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382679.04	3733121	237.1637		0		0	0	8-HR	PHASE1	1ST	6122608		NA	Overwater
382655.23	3733093.8	207.7173		0		0	0	8-HR	PHASE1	1ST	6122608		NA	Overwater
382620.11	3733080.7	197.1576		0		0	0	8-HR	PHASE1	1ST	6122408		NA	FENCEINT
382541.44	3733105.3	178.0837		3.16		3.16	0	8-HR	PHASE1	1ST	7012608		NA	FENCEINT
382534.46	3733148.5	282.0718		3.25		3.25	0	8-HR	PHASE1	1ST	7012608		NA	FENCEINT
382513.11	3733156	251.5311		3.26		3.26	0	8-HR	PHASE1	1ST	7011108		NA	FENCEINT
382487.96	3733212.8	501.2825		3.58		3.58	0	8-HR	PHASE1	1ST	6120908		NA	FENCEINT
382486.28	3733240.2	438.2743		3.91		3.91	0	8-HR	PHASE1	1ST	6121508		NA	FENCEINT
382527.56	3733260.1	450.8581		3.23		3.23	0	8-HR	PHASE1	1ST	7012708		NA	FENCEINT
382569.92	3733259.5	599.0899		0.35		2.92	0	8-HR	PHASE1	1ST	6120908		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:43:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.85	3733112.6	329.7218	0	0	0	8-HR	PHASE2	1ST	6122408		329.72	ALBS
382683.73	3733072.5	164.9468	0	0	0	8-HR	PHASE2	1ST	6120608		164.95	ALBS
382647.97	3733059	113.0675	0	0	0	8-HR	PHASE2	1ST	7012608		113.07	ALBS
382613.22	3733046.2	81.31716	0	0	0	8-HR	PHASE2	1ST	7012608		81.32	ALBS
382583.03	3733019.9	69.46408	1.81	1.81	0	8-HR	PHASE2	1ST	7011108		69.46	ALBS
382553.66	3733037.9	70.56017	3.46	3.46	0	8-HR	PHASE2	1ST	7011108		70.56	ALBS
382536.08	3733073.2	98.76501	3.18	3.18	0	8-HR	PHASE2	1ST	6120908		98.77	ALBS
382501.43	3733099.5	117.5456	3.16	3.16	0	8-HR	PHASE2	1ST	6120908		117.55	ALBS
382483.38	3733121.6	113.4346	3.21	3.21	0	8-HR	PHASE2	1ST	6120908		113.43	ALBS
382470.23	3733141	93.53984	3.16	3.16	0	8-HR	PHASE2	1ST	6120908		93.54	ALBS
382460.59	3733178	78.13264	3.66	3.66	0	8-HR	PHASE2	1ST	7020708		78.13	ALBS
382458.02	3733211	98.69514	4.16	4.16	0	8-HR	PHASE2	1ST	7020708		98.70	ALBS
382456.33	3733238.4	103.2501	4.61	4.61	0	8-HR	PHASE2	1ST	6121508		103.25	ALBS
382454.65	3733265.8	131.4047	5.12	5.12	0	8-HR	PHASE2	1ST	6121508		131.40	ALBS
382489.93	3733291.5	171.1122	4.49	4.49	0	8-HR	PHASE2	1ST	6121508		171.11	ALBS
382518.43	3733301.2	189.2413	2.67	2.67	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382610.87	3733260.9	323.2918	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382658.09	3733187	313.0566	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382676.06	3733156.5	331.7078	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382684.97	3733141.5	338.2993	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382673.11	3733100.6	199.3958	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382637.35	3733087	133.1835	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Fenceline
382602.87	3733074.3	91.65603	0	0	0	8-HR	PHASE2	1ST	7011108		NA	Fenceline
382602.05	3733051.1	80.87954	0	3.43	0	8-HR	PHASE2	1ST	7011108		80.88	ALBS
382581.18	3733049.8	80.24794	2.04	2.04	0	8-HR	PHASE2	1ST	7011108		NA	Fenceline
382572.84	3733069.1	85.96814	2.99	3.17	0	8-HR	PHASE2	1ST	7011108		NA	Fenceline
382562.24	3733087.9	106.9632	2.92	2.92	0	8-HR	PHASE2	1ST	6120908		NA	Fenceline
382520.63	3733122.6	146.8034	3.16	3.16	0	8-HR	PHASE2	1ST	6120908		NA	Fenceline
382541.95	3733133.8	175.1982	3.17	3.17	0	8-HR	PHASE2	1ST	6120908		NA	Fenceline
382526.98	3733163.3	169.939	3.39	3.39	0	8-HR	PHASE2	1ST	6120908		NA	Fenceline
382499.23	3733148.7	126.0985	3.05	3.05	0	8-HR	PHASE2	1ST	6120908		NA	Fenceline
382494.38	3733167	103.1807	2.92	2.92	0	8-HR	PHASE2	1ST	7012708		NA	Fenceline
382489.65	3733185.4	101.5276	3.22	3.22	0	8-HR	PHASE2	1ST	7020708		NA	Fenceline
382484.59	3733267.6	164.8657	4.28	4.28	0	8-HR	PHASE2	1ST	6121508		164.87	ALBS
382502.13	3733248.2	175.7089	3.72	3.72	0	8-HR	PHASE2	1ST	6121508		NA	Fenceline
382552.99	3733272	276.496	0.96	2.92	0	8-HR	PHASE2	1ST	6121508		NA	Fenceline
382560.13	3733276.2	283.5147	0.42	0.42	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382579.71	3733242.7	300.971	0.37	0.37	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382591.57	3733249.3	314.4537	0.05	0.05	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382588.68	3733254.4	315.0533	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382598.46	3733259.7	331.6314	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382601.96	3733255.4	328.8955	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382626.61	3733236.3	293.0654	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382642.35	3733211.6	251.198	0	0	0	8-HR	PHASE2	1ST	6121508		NA	Overwater
382667.08	3733171.7	323.1104	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382679.04	3733121	262.4125	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382655.23	3733093.8	162.8498	0	0	0	8-HR	PHASE2	1ST	7012608		NA	Overwater
382620.11	3733080.7	109.4318	0	0	0	8-HR	PHASE2	1ST	7012608		NA	FENCEINT
382541.44	3733105.3	132.4519	3.16	3.16	0	8-HR	PHASE2	1ST	6120908		NA	FENCEINT
382534.46	3733148.5	186.5861	3.25	3.25	0	8-HR	PHASE2	1ST	6120908		NA	FENCEINT
382513.11	3733156	145.1526	3.26	3.26	0	8-HR	PHASE2	1ST	6120908		NA	FENCEINT
382487.96	3733212.8	117.459	3.58	3.58	0	8-HR	PHASE2	1ST	7020708		NA	FENCEINT
382486.28	3733240.2	142.4011	3.91	3.91	0	8-HR	PHASE2	1ST	6121508		NA	FENCEINT
382527.56	3733260.1	226.2442	3.23	3.23	0	8-HR	PHASE2	1ST	6121508		NA	FENCEINT
382569.92	3733259.5	317.3824	0.35	2.92	0	8-HR	PHASE2	1ST	6121508		NA	Overwater

** CONCUNIT ug /m^3
** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:43:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.9	3733112.6	250.5841	0	0	0	8-HR	PHASE3	1ST	7020108		250.58	ALBS
382683.7	3733072.5	394.3455	0	0	0	8-HR	PHASE3	1ST	7013108		394.35	ALBS
382648	3733059	396.0252	0	0	0	8-HR	PHASE3	1ST	7022108		396.03	ALBS
382613.2	3733046.2	365.1481	0	0	0	8-HR	PHASE3	1ST	6122408		365.15	ALBS
382583	3733019.9	279.2989	1.81	1.81	0	8-HR	PHASE3	1ST	6120608		279.30	ALBS
382553.7	3733037.9	263.4277	3.46	3.46	0	8-HR	PHASE3	1ST	6120608		263.43	ALBS
382536.1	3733073.2	283.812	3.18	3.18	0	8-HR	PHASE3	1ST	6120708		283.81	ALBS
382501.4	3733099.5	331.0428	3.16	3.16	0	8-HR	PHASE3	1ST	6120908		331.04	ALBS
382483.4	3733121.6	533.9289	3.21	3.21	0	8-HR	PHASE3	1ST	6120908		533.93	ALBS
382470.2	3733141	457.3919	3.16	3.16	0	8-HR	PHASE3	1ST	6120908		457.39	ALBS
382460.6	3733178	436.3481	3.66	3.66	0	8-HR	PHASE3	1ST	7020708		436.35	ALBS
382458	3733211	619.8368	4.16	4.16	0	8-HR	PHASE3	1ST	6121508		619.84	ALBS
382456.3	3733238.4	464.097	4.61	4.61	0	8-HR	PHASE3	1ST	6121508		464.10	ALBS
382454.7	3733265.8	238.4086	5.12	5.12	0	8-HR	PHASE3	1ST	6121508		238.41	ALBS
382489.9	3733291.5	172.7181	4.49	4.49	0	8-HR	PHASE3	1ST	6102308		172.72	ALBS
382518.4	3733301.2	150.2931	2.67	2.67	0	8-HR	PHASE3	1ST	6102308		NA	Overwater
382610.9	3733260.9	200.5605	0	0	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382658.1	3733187	390.8228	0	0	0	8-HR	PHASE3	1ST	6092708		NA	Overwater
382676.1	3733156.5	390.4116	0	0	0	8-HR	PHASE3	1ST	7020108		NA	Overwater
382685	3733141.5	352.68	0	0	0	8-HR	PHASE3	1ST	7020108		NA	Overwater
382673.1	3733100.6	436.9594	0	0	0	8-HR	PHASE3	1ST	7013108		NA	Overwater
382637.4	3733087	528.1499	0	0	0	8-HR	PHASE3	1ST	7013108		NA	Fenceline
382602.9	3733074.3	483.0375	0	0	0	8-HR	PHASE3	1ST	6122408		NA	Fenceline
382602.1	3733051.1	388.6929	0	3.43	0	8-HR	PHASE3	1ST	6122408		388.69	ALBS
382581.2	3733049.8	366.3079	2.04	2.04	0	8-HR	PHASE3	1ST	7012508		NA	Fenceline
382572.8	3733069.1	437.3015	2.99	3.17	0	8-HR	PHASE3	1ST	7012508		NA	Fenceline
382562.2	3733087.9	532.8122	2.92	2.92	0	8-HR	PHASE3	1ST	6120608		NA	Fenceline
382520.6	3733122.6	502.0674	3.16	3.16	0	8-HR	PHASE3	1ST	7011108		NA	Fenceline
382542	3733133.8	892.6406	3.17	3.17	0	8-HR	PHASE3	1ST	7012608		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	926.6253	3.39	3.39	0	8-HR	PHASE3	1ST	6120908		NA	Fenceline
382499.2	3733148.7	775.1982	3.05	3.05	0	8-HR	PHASE3	1ST	6120908		NA	Fenceline
382494.4	3733167	619.4611	2.92	2.92	0	8-HR	PHASE3	1ST	7012708		NA	Fenceline
382489.7	3733185.4	787.3604	3.22	3.22	0	8-HR	PHASE3	1ST	6121508		NA	Fenceline
382484.6	3733267.6	201.1043	4.28	4.28	0	8-HR	PHASE3	1ST	6091308		201.10	ALBS
382502.1	3733248.2	301.4316	3.72	3.72	0	8-HR	PHASE3	1ST	6091308		NA	Fenceline
382553	3733272	355.1243	0.96	2.92	0	8-HR	PHASE3	1ST	6091908		NA	Fenceline
382560.1	3733276.2	320.0404	0.42	0.42	0	8-HR	PHASE3	1ST	6091908		NA	Overwater
382579.7	3733242.7	395.2077	0.37	0.37	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382591.6	3733249.3	308.9308	0.05	0.05	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382588.7	3733254.4	312.0276	0	0	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382598.5	3733259.7	260.5917	0	0	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382602	3733255.4	245.7778	0	0	0	8-HR	PHASE3	1ST	6092108		NA	Overwater
382626.6	3733236.3	244.5657	0	0	0	8-HR	PHASE3	1ST	7011908		NA	Overwater
382642.4	3733211.6	300.7639	0	0	0	8-HR	PHASE3	1ST	6092708		NA	Overwater
382667.1	3733171.7	392.2519	0	0	0	8-HR	PHASE3	1ST	7020108		NA	Overwater
382679	3733121	331.8828	0	0	0	8-HR	PHASE3	1ST	7020108		NA	Overwater
382655.2	3733093.8	538.1452	0	0	0	8-HR	PHASE3	1ST	7013108		NA	Overwater
382620.1	3733080.7	504.0652	0	0	0	8-HR	PHASE3	1ST	6122608		NA	FENCEINT
382541.4	3733105.3	499.8925	3.16	3.16	0	8-HR	PHASE3	1ST	7012608		NA	FENCEINT
382534.5	3733148.5	850.1383	3.25	3.25	0	8-HR	PHASE3	1ST	6120908		NA	FENCEINT
382513.1	3733156	942.8159	3.26	3.26	0	8-HR	PHASE3	1ST	6120908		NA	FENCEINT
382488	3733212.8	894.6998	3.58	3.58	0	8-HR	PHASE3	1ST	6121508		NA	FENCEINT
382486.3	3733240.2	422.7134	3.91	3.91	0	8-HR	PHASE3	1ST	6121508		NA	FENCEINT
382527.6	3733260.1	282.2685	3.23	3.23	0	8-HR	PHASE3	1ST	6091908		NA	FENCEINT
382569.9	3733259.5	328.3736	0.35	2.92	0	8-HR	PHASE3	1ST	6091908		NA	Overwater

** CONCUI /m^3

** DEPUNI ^2

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 16:11:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID AVER CONC YR1 DATE YR1

											Impact	**Type**
382707.9	3733112.6	183.0228	0	0	0	1-HR	PHASE1	1ST	183.0228	7022106	183.02	ALBS
382683.7	3733072.5	179.1208	0	0	0	1-HR	PHASE1	1ST	179.1208	6092807	179.12	ALBS
382648	3733059	172.266	0	0	0	1-HR	PHASE1	1ST	172.266	7050806	172.27	ALBS
382613.2	3733046.2	166.6798	0	0	0	1-HR	PHASE1	1ST	166.6798	6111007	166.68	ALBS
382583	3733019.9	149.8831	1.81	1.81	0	1-HR	PHASE1	1ST	149.8831	6110207	149.88	ALBS
382553.7	3733037.9	170.0094	3.46	3.46	0	1-HR	PHASE1	1ST	170.0094	6110207	170.01	ALBS
382536.1	3733073.2	194.8332	3.18	3.18	0	1-HR	PHASE1	1ST	194.8332	7072606	194.83	ALBS
382501.4	3733099.5	222.0105	3.16	3.16	0	1-HR	PHASE1	1ST	222.0105	7072606	222.01	ALBS
382483.4	3733121.6	259.894	3.21	3.21	0	1-HR	PHASE1	1ST	259.894	6120906	259.89	ALBS
382470.2	3733141	330.3587	3.16	3.16	0	1-HR	PHASE1	1ST	330.3587	7042206	330.36	ALBS
382460.6	3733178	487.7636	3.66	3.66	0	1-HR	PHASE1	1ST	487.7636	7072506	487.76	ALBS
382458	3733211	491.8176	4.16	4.16	0	1-HR	PHASE1	1ST	491.8176	6110907	491.82	ALBS
382456.3	3733238.4	427.8798	4.61	4.61	0	1-HR	PHASE1	1ST	427.8798	6110306	427.88	ALBS
382454.7	3733265.8	321.5759	5.12	5.12	0	1-HR	PHASE1	1ST	321.5759	7021807	321.58	ALBS
382489.9	3733291.5	302.4704	4.49	4.49	0	1-HR	PHASE1	1ST	302.4704	7051106	302.47	ALBS
382518.4	3733301.2	323.5621	2.67	2.67	0	1-HR	PHASE1	1ST	323.5621	6121506	NA	Overwater
382610.9	3733260.9	474.7509	0	0	0	1-HR	PHASE1	1ST	474.7509	6103107	NA	Overwater
382658.1	3733187	282.3402	0	0	0	1-HR	PHASE1	1ST	282.3402	7030807	NA	Overwater
382676.1	3733156.5	233.5659	0	0	0	1-HR	PHASE1	1ST	233.5659	7030807	NA	Overwater
382685	3733141.5	214.8165	0	0	0	1-HR	PHASE1	1ST	214.8165	7030807	NA	Overwater
382673.1	3733100.6	201.2584	0	0	0	1-HR	PHASE1	1ST	201.2584	7030807	NA	Overwater
382637.4	3733087	192.3026	0	0	0	1-HR	PHASE1	1ST	192.3026	7050806	NA	Fenceline
382602.9	3733074.3	182.122	0	0	0	1-HR	PHASE1	1ST	182.122	6111007	NA	Fenceline
382602.1	3733051.1	162.7363	0	3.43	0	1-HR	PHASE1	1ST	162.7363	6111007	162.74	ALBS
382581.2	3733049.8	169.5321	2.04	2.04	0	1-HR	PHASE1	1ST	169.5321	6110207	NA	Fenceline
382572.8	3733069.1	189.5876	2.99	3.17	0	1-HR	PHASE1	1ST	189.5876	6110207	NA	Fenceline
382562.2	3733087.9	208.9329	2.92	2.92	0	1-HR	PHASE1	1ST	208.9329	6110207	NA	Fenceline
382520.6	3733122.6	264.8535	3.16	3.16	0	1-HR	PHASE1	1ST	264.8535	7072606	NA	Fenceline
382542	3733133.8	280.9819	3.17	3.17	0	1-HR	PHASE1	1ST	280.9819	7072606	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382527	3733163.3	363.9753	3.39	3.39	0	1-HR	PHASE1	1ST	363.9753	6101706		NA	Fenceline
382499.2	3733148.7	330.6739	3.05	3.05	0	1-HR	PHASE1	1ST	330.6739	6120906		NA	Fenceline
382494.4	3733167	432.5322	2.92	2.92	0	1-HR	PHASE1	1ST	432.5322	7042206		NA	Fenceline
382489.7	3733185.4	609.0901	3.22	3.22	0	1-HR	PHASE1	1ST	609.0901	7072506		NA	Fenceline
382484.6	3733267.6	377.7483	4.28	4.28	0	1-HR	PHASE1	1ST	377.7483	7021807		377.75	ALBS
382502.1	3733248.2	545.8902	3.72	3.72	0	1-HR	PHASE1	1ST	545.8902	7082806		NA	Fenceline
382553	3733272	688.585	0.96	2.92	0	1-HR	PHASE1	1ST	688.585	6110306		NA	Fenceline
382560.1	3733276.2	648.9958	0.42	0.42	0	1-HR	PHASE1	1ST	648.9958	6110306		NA	Overwater
382579.7	3733242.7	543.648	0.37	0.37	0	1-HR	PHASE1	1ST	543.648	6101706		NA	Overwater
382591.6	3733249.3	508.0471	0.05	0.05	0	1-HR	PHASE1	1ST	508.0471	7072606		NA	Overwater
382588.7	3733254.4	499.6243	0	0	0	1-HR	PHASE1	1ST	499.6243	6120906		NA	Overwater
382598.5	3733259.7	456.2495	0	0	0	1-HR	PHASE1	1ST	456.2495	6101706		NA	Overwater
382602	3733255.4	475.7684	0	0	0	1-HR	PHASE1	1ST	475.7684	7072606		NA	Overwater
382626.6	3733236.3	421.318	0	0	0	1-HR	PHASE1	1ST	421.318	7030807		NA	Overwater
382642.4	3733211.6	343.4406	0	0	0	1-HR	PHASE1	1ST	343.4406	7030807		NA	Overwater
382667.1	3733171.7	255.8126	0	0	0	1-HR	PHASE1	1ST	255.8126	7030807		NA	Overwater
382679	3733121	214.2685	0	0	0	1-HR	PHASE1	1ST	214.2685	7030807		NA	Overwater
382655.2	3733093.8	202.8042	0	0	0	1-HR	PHASE1	1ST	202.8042	6090306		NA	Overwater
382620.1	3733080.7	195.4041	0	0	0	1-HR	PHASE1	1ST	195.4041	6111007		NA	FENCEINT
382541.4	3733105.3	231.0051	3.16	3.16	0	1-HR	PHASE1	1ST	231.0051	7072606		NA	FENCEINT
382534.5	3733148.5	316.3138	3.25	3.25	0	1-HR	PHASE1	1ST	316.3138	7072606		NA	FENCEINT
382513.1	3733156	351.5895	3.26	3.26	0	1-HR	PHASE1	1ST	351.5895	6101706		NA	FENCEINT
382488	3733212.8	647.1966	3.58	3.58	0	1-HR	PHASE1	1ST	647.1966	6111907		NA	FENCEINT
382486.3	3733240.2	533.635	3.91	3.91	0	1-HR	PHASE1	1ST	533.635	7082806		NA	FENCEINT
382527.6	3733260.1	609.7085	3.23	3.23	0	1-HR	PHASE1	1ST	609.7085	7082806		NA	FENCEINT
382569.9	3733259.5	737.9013	0.35	2.92	0	1-HR	PHASE1	1ST	737.9013	7072506		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 16:11:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	**Impact**	**Type**
382707.9	3733112.6	309.3994	0	0	0	1-HR	PHASE2	1ST	309.3994	6111007		309.40	ALBS
382683.7	3733072.5	210.7942	0	0	0	1-HR	PHASE2	1ST	210.7942	6110207		210.79	ALBS
382648	3733059	184.2228	0	0	0	1-HR	PHASE2	1ST	184.2228	7072606		184.22	ALBS
382613.2	3733046.2	161.0094	0	0	0	1-HR	PHASE2	1ST	161.0094	7072606		161.01	ALBS
382583	3733019.9	136.0397	1.81	1.81	0	1-HR	PHASE2	1ST	136.0397	7031307		136.04	ALBS
382553.7	3733037.9	143.3187	3.46	3.46	0	1-HR	PHASE2	1ST	143.3187	7042206		143.32	ALBS
382536.1	3733073.2	145.7529	3.18	3.18	0	1-HR	PHASE2	1ST	145.7529	7072506		145.75	ALBS
382501.4	3733099.5	139.7584	3.16	3.16	0	1-HR	PHASE2	1ST	139.7584	7072506		139.76	ALBS
382483.4	3733121.6	129.2917	3.21	3.21	0	1-HR	PHASE2	1ST	129.2917	6111907		129.29	ALBS
382470.2	3733141	124.5278	3.16	3.16	0	1-HR	PHASE2	1ST	124.5278	6110907		124.53	ALBS
382460.6	3733178	124.9823	3.66	3.66	0	1-HR	PHASE2	1ST	124.9823	7082806		124.98	ALBS
382458	3733211	121.0529	4.16	4.16	0	1-HR	PHASE2	1ST	121.0529	7041006		121.05	ALBS
382456.3	3733238.4	114.2138	4.61	4.61	0	1-HR	PHASE2	1ST	114.2138	7021807		114.21	ALBS
382454.7	3733265.8	104.489	5.12	5.12	0	1-HR	PHASE2	1ST	104.489	7051106		104.49	ALBS
382489.9	3733291.5	117.7752	4.49	4.49	0	1-HR	PHASE2	1ST	117.7752	6121506		117.78	ALBS
382518.4	3733301.2	146.9791	2.67	2.67	0	1-HR	PHASE2	1ST	146.9791	6111906		NA	Overwater
382610.9	3733260.9	301.91	0	0	0	1-HR	PHASE2	1ST	301.91	6090506		NA	Overwater
382658.1	3733187	282.0271	0	0	0	1-HR	PHASE2	1ST	282.0271	6110207		NA	Overwater
382676.1	3733156.5	306.1317	0	0	0	1-HR	PHASE2	1ST	306.1317	6111007		NA	Overwater
382685	3733141.5	326.2523	0	0	0	1-HR	PHASE2	1ST	326.2523	6111007		NA	Overwater
382673.1	3733100.6	244.8067	0	0	0	1-HR	PHASE2	1ST	244.8067	6110207		NA	Overwater
382637.4	3733087	199.4543	0	0	0	1-HR	PHASE2	1ST	199.4543	7072606		NA	Fenceline
382602.9	3733074.3	164.6816	0	0	0	1-HR	PHASE2	1ST	164.6816	7031307		NA	Fenceline
382602.1	3733051.1	152.0836	0	3.43	0	1-HR	PHASE2	1ST	152.0836	7072606		152.08	ALBS
382581.2	3733049.8	147.9633	2.04	2.04	0	1-HR	PHASE2	1ST	147.9633	7031307		NA	Fenceline
382572.8	3733069.1	159.4135	2.99	3.17	0	1-HR	PHASE2	1ST	159.4135	7042206		NA	Fenceline
382562.2	3733087.9	167.3577	2.92	2.92	0	1-HR	PHASE2	1ST	167.3577	7042206		NA	Fenceline
382520.6	3733122.6	159.1434	3.16	3.16	0	1-HR	PHASE2	1ST	159.1434	7072506		NA	Fenceline
382542	3733133.8	184.2644	3.17	3.17	0	1-HR	PHASE2	1ST	184.2644	7072506		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382527	3733163.3	178.5939	3.39	3.39	0	1-HR	PHASE2	1ST	178.5939	6111907		NA	Fenceline
382499.2	3733148.7	144.7802	3.05	3.05	0	1-HR	PHASE2	1ST	144.7802	6111907		NA	Fenceline
382494.4	3733167	143.8147	2.92	2.92	0	1-HR	PHASE2	1ST	143.8147	6110907		NA	Fenceline
382489.7	3733185.4	143.8517	3.22	3.22	0	1-HR	PHASE2	1ST	143.8517	6110306		NA	Fenceline
382484.6	3733267.6	116.519	4.28	4.28	0	1-HR	PHASE2	1ST	116.519	7051106		116.52	ALBS
382502.1	3733248.2	139.9719	3.72	3.72	0	1-HR	PHASE2	1ST	139.9719	7051106		NA	Fenceline
382553	3733272	189.5582	0.96	2.92	0	1-HR	PHASE2	1ST	189.5582	6111906		NA	Fenceline
382560.1	3733276.2	208.1204	0.42	0.42	0	1-HR	PHASE2	1ST	208.1204	6111906		NA	Overwater
382579.7	3733242.7	258.8323	0.37	0.37	0	1-HR	PHASE2	1ST	258.8323	7051806		NA	Overwater
382591.6	3733249.3	262.9496	0.05	0.05	0	1-HR	PHASE2	1ST	262.9496	7051806		NA	Overwater
382588.7	3733254.4	263.6417	0	0	0	1-HR	PHASE2	1ST	263.6417	7051806		NA	Overwater
382598.5	3733259.7	274.3043	0	0	0	1-HR	PHASE2	1ST	274.3043	6090506		NA	Overwater
382602	3733255.4	273.1005	0	0	0	1-HR	PHASE2	1ST	273.1005	6090506		NA	Overwater
382626.6	3733236.3	270.8909	0	0	0	1-HR	PHASE2	1ST	270.8909	6090506		NA	Overwater
382642.4	3733211.6	249.9349	0	0	0	1-HR	PHASE2	1ST	249.9349	7072606		NA	Overwater
382667.1	3733171.7	293.8378	0	0	0	1-HR	PHASE2	1ST	293.8378	6110207		NA	Overwater
382679	3733121	283.7223	0	0	0	1-HR	PHASE2	1ST	283.7223	6110207		NA	Overwater
382655.2	3733093.8	216.8922	0	0	0	1-HR	PHASE2	1ST	216.8922	7072606		NA	Overwater
382620.1	3733080.7	180.4376	0	0	0	1-HR	PHASE2	1ST	180.4376	7072606		NA	FENCEINT
382541.4	3733105.3	166.3199	3.16	3.16	0	1-HR	PHASE2	1ST	166.3199	7072506		NA	FENCEINT
382534.5	3733148.5	184.7602	3.25	3.25	0	1-HR	PHASE2	1ST	184.7602	7072506		NA	FENCEINT
382513.1	3733156	159.4374	3.26	3.26	0	1-HR	PHASE2	1ST	159.4374	6111907		NA	FENCEINT
382488	3733212.8	139.6448	3.58	3.58	0	1-HR	PHASE2	1ST	139.6448	7041006		NA	FENCEINT
382486.3	3733240.2	130.1923	3.91	3.91	0	1-HR	PHASE2	1ST	130.1923	7051106		NA	FENCEINT
382527.6	3733260.1	153.3869	3.23	3.23	0	1-HR	PHASE2	1ST	153.3869	7051106		NA	FENCEINT
382569.9	3733259.5	225.4978	0.35	2.92	0	1-HR	PHASE2	1ST	225.4978	7081706		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 16:11:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID AVER CONC YR1 DATE YR1

												Impact	**Type**
382707.9	3733112.6	258.9423	0	0	0	1-HR	PHASE3	1ST	258.9423	6103107		258.94	ALBS
382683.7	3733072.5	233.8639	0	0	0	1-HR	PHASE3	1ST	233.8639	7012307		233.86	ALBS
382648	3733059	261.1318	0	0	0	1-HR	PHASE3	1ST	261.1318	7022106		261.13	ALBS
382613.2	3733046.2	263.241	0	0	0	1-HR	PHASE3	1ST	263.241	6092807		263.24	ALBS
382583	3733019.9	226.9178	1.81	1.81	0	1-HR	PHASE3	1ST	226.9178	6111007		226.92	ALBS
382553.7	3733037.9	219.6191	3.46	3.46	0	1-HR	PHASE3	1ST	219.6191	6110207		219.62	ALBS
382536.1	3733073.2	317.6481	3.18	3.18	0	1-HR	PHASE3	1ST	317.6481	6110207		317.65	ALBS
382501.4	3733099.5	337.6814	3.16	3.16	0	1-HR	PHASE3	1ST	337.6814	6101706		337.68	ALBS
382483.4	3733121.6	456.5176	3.21	3.21	0	1-HR	PHASE3	1ST	456.5176	7072506		456.52	ALBS
382470.2	3733141	426.3734	3.16	3.16	0	1-HR	PHASE3	1ST	426.3734	6111907		426.37	ALBS
382460.6	3733178	412.2228	3.66	3.66	0	1-HR	PHASE3	1ST	412.2228	7021807		412.22	ALBS
382458	3733211	325.4489	4.16	4.16	0	1-HR	PHASE3	1ST	325.4489	6121506		325.45	ALBS
382456.3	3733238.4	304.6891	4.61	4.61	0	1-HR	PHASE3	1ST	304.6891	6111906		304.69	ALBS
382454.7	3733265.8	240.4769	5.12	5.12	0	1-HR	PHASE3	1ST	240.4769	6090506		240.48	ALBS
382489.9	3733291.5	241.629	4.49	4.49	0	1-HR	PHASE3	1ST	241.629	6102306		241.63	ALBS
382518.4	3733301.2	207.418	2.67	2.67	0	1-HR	PHASE3	1ST	207.418	7030707		NA	Overwater
382610.9	3733260.9	280.0565	0	0	0	1-HR	PHASE3	1ST	280.0565	7060206		NA	Overwater
382658.1	3733187	347.833	0	0	0	1-HR	PHASE3	1ST	347.833	6092707		NA	Overwater
382676.1	3733156.5	318.6372	0	0	0	1-HR	PHASE3	1ST	318.6372	7021406		NA	Overwater
382685	3733141.5	294.282	0	0	0	1-HR	PHASE3	1ST	294.282	7021406		NA	Overwater
382673.1	3733100.6	292.1103	0	0	0	1-HR	PHASE3	1ST	292.1103	6102906		NA	Overwater
382637.4	3733087	329.149	0	0	0	1-HR	PHASE3	1ST	329.149	7022106		NA	Fenceline
382602.9	3733074.3	332.6409	0	0	0	1-HR	PHASE3	1ST	332.6409	7030807		NA	Fenceline
382602.1	3733051.1	278.0771	0	3.43	0	1-HR	PHASE3	1ST	278.0771	6090306		278.08	ALBS
382581.2	3733049.8	280.0611	2.04	2.04	0	1-HR	PHASE3	1ST	280.0611	6111007		NA	Fenceline
382572.8	3733069.1	333.9092	2.99	3.17	0	1-HR	PHASE3	1ST	333.9092	6111007		NA	Fenceline
382562.2	3733087.9	395.648	2.92	2.92	0	1-HR	PHASE3	1ST	395.648	6111007		NA	Fenceline
382520.6	3733122.6	496.5472	3.16	3.16	0	1-HR	PHASE3	1ST	496.5472	6101706		NA	Fenceline
382542	3733133.8	648.7129	3.17	3.17	0	1-HR	PHASE3	1ST	648.7129	6110207		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382527	3733163.3	635.6541	3.39	3.39	0	1-HR	PHASE3	1ST	635.6541	7072506	NA	Fenceline	
382499.2	3733148.7	598.2302	3.05	3.05	0	1-HR	PHASE3	1ST	598.2302	6111907	NA	Fenceline	
382494.4	3733167	600.5312	2.92	2.92	0	1-HR	PHASE3	1ST	600.5312	7082806	NA	Fenceline	
382489.7	3733185.4	560.2838	3.22	3.22	0	1-HR	PHASE3	1ST	560.2838	7021807	NA	Fenceline	
382484.6	3733267.6	263.1156	4.28	4.28	0	1-HR	PHASE3	1ST	263.1156	7021806	263.12	ALBS	
382502.1	3733248.2	352.661	3.72	3.72	0	1-HR	PHASE3	1ST	352.661	7021806	NA	Fenceline	
382553	3733272	381.9153	0.96	2.92	0	1-HR	PHASE3	1ST	381.9153	6091906	NA	Fenceline	
382560.1	3733276.2	373.6586	0.42	0.42	0	1-HR	PHASE3	1ST	373.6586	7072706	NA	Overwater	
382579.7	3733242.7	483.1174	0.37	0.37	0	1-HR	PHASE3	1ST	483.1174	7042706	NA	Overwater	
382591.6	3733249.3	376.1177	0.05	0.05	0	1-HR	PHASE3	1ST	376.1177	7042706	NA	Overwater	
382588.7	3733254.4	394.4566	0	0	0	1-HR	PHASE3	1ST	394.4566	7042706	NA	Overwater	
382598.5	3733259.7	330.6271	0	0	0	1-HR	PHASE3	1ST	330.6271	7060206	NA	Overwater	
382602	3733255.4	322.3492	0	0	0	1-HR	PHASE3	1ST	322.3492	7060206	NA	Overwater	
382626.6	3733236.3	305.6502	0	0	0	1-HR	PHASE3	1ST	305.6502	7030607	NA	Overwater	
382642.4	3733211.6	321.6212	0	0	0	1-HR	PHASE3	1ST	321.6212	7030607	NA	Overwater	
382667.1	3733171.7	331.645	0	0	0	1-HR	PHASE3	1ST	331.645	6101007	NA	Overwater	
382679	3733121	310.1731	0	0	0	1-HR	PHASE3	1ST	310.1731	6103107	NA	Overwater	
382655.2	3733093.8	301.1644	0	0	0	1-HR	PHASE3	1ST	301.1644	7012307	NA	Overwater	
382620.1	3733080.7	341.3048	0	0	0	1-HR	PHASE3	1ST	341.3048	7030807	NA	FENCEINT	
382541.4	3733105.3	458.268	3.16	3.16	0	1-HR	PHASE3	1ST	458.268	6110207	NA	FENCEINT	
382534.5	3733148.5	636.6448	3.25	3.25	0	1-HR	PHASE3	1ST	636.6448	7072606	NA	FENCEINT	
382513.1	3733156	679.8969	3.26	3.26	0	1-HR	PHASE3	1ST	679.8969	7072506	NA	FENCEINT	
382488	3733212.8	485.1215	3.58	3.58	0	1-HR	PHASE3	1ST	485.1215	6111906	NA	FENCEINT	
382486.3	3733240.2	358.3544	3.91	3.91	0	1-HR	PHASE3	1ST	358.3544	6090506	NA	FENCEINT	
382527.6	3733260.1	348.602	3.23	3.23	0	1-HR	PHASE3	1ST	348.602	6102306	NA	FENCEINT	
382569.9	3733259.5	433.0894	0.35	2.92	0	1-HR	PHASE3	1ST	433.0894	7072706	NA	Overwater	

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:16:59
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	**Impact**	**Type**
382707.9	3733112.6	172.0303	0	0	0	1-HR	Phase1	434.9779		172.03	ALBS
382683.7	3733072.5	166.7034	0	0	0	1-HR	Phase1	352.1992		166.70	ALBS
382648	3733059	162.693	0	0	0	1-HR	Phase1	392.657		162.69	ALBS
382613.2	3733046.2	151.2629	0	0	0	1-HR	Phase1	394.6089		151.26	ALBS
382583	3733019.9	121.9079	1.81	1.81	0	1-HR	Phase1	363.4209		121.91	ALBS
382553.7	3733037.9	122.2626	3.46	3.46	0	1-HR	Phase1	425.7517		122.26	ALBS
382536.1	3733073.2	147.6334	3.18	3.18	0	1-HR	Phase1	528.7337		147.63	ALBS
382501.4	3733099.5	187.8226	3.16	3.16	0	1-HR	Phase1	603.3842		187.82	ALBS
382483.4	3733121.6	203.7096	3.21	3.21	0	1-HR	Phase1	697.765		203.71	ALBS
382470.2	3733141	240.1605	3.16	3.16	0	1-HR	Phase1	733.715		240.16	ALBS
382460.6	3733178	361.1012	3.66	3.66	0	1-HR	Phase1	630.6101		361.10	ALBS
382458	3733211	405.2909	4.16	4.16	0	1-HR	Phase1	588.0653		405.29	ALBS
382456.3	3733238.4	356.3392	4.61	4.61	0	1-HR	Phase1	527.6544		356.34	ALBS
382454.7	3733265.8	293.8158	5.12	5.12	0	1-HR	Phase1	457.1428		293.82	ALBS
382489.9	3733291.5	278.8384	4.49	4.49	0	1-HR	Phase1	436.0106		278.84	ALBS
382518.4	3733301.2	295.0504	2.67	2.67	0	1-HR	Phase1	467.3322		NA	Overwater
382610.9	3733260.9	448.1386	0	0	0	1-HR	Phase1	481.5547		NA	Overwater
382658.1	3733187	263.0308	0	0	0	1-HR	Phase1	474.335		NA	Overwater
382676.1	3733156.5	217.7493	0	0	0	1-HR	Phase1	455.683		NA	Overwater
382685	3733141.5	200.7529	0	0	0	1-HR	Phase1	455.4157		NA	Overwater
382673.1	3733100.6	187.1446	0	0	0	1-HR	Phase1	384.4398		NA	Overwater
382637.4	3733087	183.7793	0	0	0	1-HR	Phase1	438.6604		NA	Fenceline
382602.9	3733074.3	166.9249	0	0	0	1-HR	Phase1	470.3419		NA	Fenceline
382602.1	3733051.1	147.9757	0	3.43	0	1-HR	Phase1	400.9415		147.98	ALBS
382581.2	3733049.8	138.8386	2.04	2.04	0	1-HR	Phase1	435.8632		NA	Fenceline
382572.8	3733069.1	145.9863	2.99	3.17	0	1-HR	Phase1	491.8886		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	155.0168	2.92	2.92	0	1-HR		Phase1	550.5964		NA	Fenceline
382520.6	3733122.6	210.0779	3.16	3.16	0	1-HR		Phase1	796.8579		NA	Fenceline
382542	3733133.8	219.1611	3.17	3.17	0	1-HR		Phase1	947.6701		NA	Fenceline
382527	3733163.3	308.9209	3.39	3.39	0	1-HR		Phase1	934.0032		NA	Fenceline
382499.2	3733148.7	269.7279	3.05	3.05	0	1-HR		Phase1	909.0619		NA	Fenceline
382494.4	3733167	334.6857	2.92	2.92	0	1-HR		Phase1	885.4321		NA	Fenceline
382489.7	3733185.4	426.5793	3.22	3.22	0	1-HR		Phase1	763.9213		NA	Fenceline
382484.6	3733267.6	348.2687	4.28	4.28	0	1-HR		Phase1	515.8148		348.27	ALBS
382502.1	3733248.2	445.0774	3.72	3.72	0	1-HR		Phase1	648.3796		NA	Fenceline
382553	3733272	570.9538	0.96	2.92	0	1-HR		Phase1	786.0803		NA	Fenceline
382560.1	3733276.2	545.1648	0.42	0.42	0	1-HR		Phase1	743.0084		NA	Overwater
382579.7	3733242.7	473.1063	0.37	0.37	0	1-HR		Phase1	593.9018		NA	Overwater
382591.6	3733249.3	435.9367	0.05	0.05	0	1-HR		Phase1	529.6069		NA	Overwater
382588.7	3733254.4	455.0869	0	0	0	1-HR		Phase1	588.1093		NA	Overwater
382598.5	3733259.7	401.0944	0	0	0	1-HR		Phase1	501.1552		NA	Overwater
382602	3733255.4	405.8766	0	0	0	1-HR		Phase1	499.9037		NA	Overwater
382626.6	3733236.3	402.8623	0	0	0	1-HR		Phase1	486.8131		NA	Overwater
382642.4	3733211.6	323.5145	0	0	0	1-HR		Phase1	512.6043		NA	Overwater
382667.1	3733171.7	239.0769	0	0	0	1-HR		Phase1	460.2829		NA	Overwater
382679	3733121	193.5394	0	0	0	1-HR		Phase1	410.9791		NA	Overwater
382655.2	3733093.8	189.2733	0	0	0	1-HR		Phase1	421.6183		NA	Overwater
382620.1	3733080.7	175.7497	0	0	0	1-HR		Phase1	479.2034		NA	FENCEINT
382541.4	3733105.3	177.1158	3.16	3.16	0	1-HR		Phase1	689.8864		NA	FENCEINT
382534.5	3733148.5	250.3453	3.25	3.25	0	1-HR		Phase1	975.7339		NA	FENCEINT
382513.1	3733156	294.7079	3.26	3.26	0	1-HR		Phase1	984.7574		NA	FENCEINT
382488	3733212.8	537.5482	3.58	3.58	0	1-HR		Phase1	702.1132		NA	FENCEINT
382486.3	3733240.2	441.7182	3.91	3.91	0	1-HR		Phase1	637.054		NA	FENCEINT
382527.6	3733260.1	490.1597	3.23	3.23	0	1-HR		Phase1	713.9044		NA	FENCEINT
382569.9	3733259.5	582.3575	0.35	2.92	0	1-HR		Phase1	791.9271		NA	Overwater

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:17:08
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	**Impact**	**Type**
382707.9	3733112.6	290.5914	0	0	0	1-HR	Phase2	434.9779		290.59	ALBS
382683.7	3733072.5	169.9275	0	0	0	1-HR	Phase2	352.1992		169.93	ALBS
382648	3733059	147.237	0	0	0	1-HR	Phase2	392.657		147.24	ALBS
382613.2	3733046.2	135.5843	0	0	0	1-HR	Phase2	394.6089		135.58	ALBS
382583	3733019.9	116.8958	1.81	1.81	0	1-HR	Phase2	363.4209		116.90	ALBS
382553.7	3733037.9	112.4043	3.46	3.46	0	1-HR	Phase2	425.7517		112.40	ALBS
382536.1	3733073.2	112.5497	3.18	3.18	0	1-HR	Phase2	528.7337		112.55	ALBS
382501.4	3733099.5	108.2381	3.16	3.16	0	1-HR	Phase2	603.3842		108.24	ALBS
382483.4	3733121.6	110.7515	3.21	3.21	0	1-HR	Phase2	697.765		110.75	ALBS
382470.2	3733141	105.8412	3.16	3.16	0	1-HR	Phase2	733.715		105.84	ALBS
382460.6	3733178	101.2909	3.66	3.66	0	1-HR	Phase2	630.6101		101.29	ALBS
382458	3733211	108.1165	4.16	4.16	0	1-HR	Phase2	588.0653		108.12	ALBS
382456.3	3733238.4	103.6006	4.61	4.61	0	1-HR	Phase2	527.6544		103.60	ALBS
382454.7	3733265.8	94.89689	5.12	5.12	0	1-HR	Phase2	457.1428		94.90	ALBS
382489.9	3733291.5	97.25567	4.49	4.49	0	1-HR	Phase2	436.0106		97.26	ALBS
382518.4	3733301.2	109.5036	2.67	2.67	0	1-HR	Phase2	467.3322		NA	Overwater
382610.9	3733260.9	243.9249	0	0	0	1-HR	Phase2	481.5547		NA	Overwater
382658.1	3733187	237.0421	0	0	0	1-HR	Phase2	474.335		NA	Overwater
382676.1	3733156.5	277.3664	0	0	0	1-HR	Phase2	455.683		NA	Overwater
382685	3733141.5	294.7293	0	0	0	1-HR	Phase2	455.4157		NA	Overwater
382673.1	3733100.6	191.1826	0	0	0	1-HR	Phase2	384.4398		NA	Overwater
382637.4	3733087	167.3072	0	0	0	1-HR	Phase2	438.6604		NA	Fenceline
382602.9	3733074.3	146.1161	0	0	0	1-HR	Phase2	470.3419		NA	Fenceline
382602.1	3733051.1	135.5813	0	3.43	0	1-HR	Phase2	400.9415		135.58	ALBS
382581.2	3733049.8	129.403	2.04	2.04	0	1-HR	Phase2	435.8632		NA	Fenceline
382572.8	3733069.1	131.6645	2.99	3.17	0	1-HR	Phase2	491.8886		NA	Fenceline

382562.2	3733087.9	137.1473	2.92	2.92	0	1-HR	Phase2	550.5964	NA	Fenceline
382520.6	3733122.6	123.5077	3.16	3.16	0	1-HR	Phase2	796.8579	NA	Fenceline
382542	3733133.8	150.5108	3.17	3.17	0	1-HR	Phase2	947.6701	NA	Fenceline
382527	3733163.3	153.2332	3.39	3.39	0	1-HR	Phase2	934.0032	NA	Fenceline
382499.2	3733148.7	121.5243	3.05	3.05	0	1-HR	Phase2	909.0619	NA	Fenceline
382494.4	3733167	125.4547	2.92	2.92	0	1-HR	Phase2	885.4321	NA	Fenceline
382489.7	3733185.4	119.749	3.22	3.22	0	1-HR	Phase2	763.9213	NA	Fenceline
382484.6	3733267.6	108.3927	4.28	4.28	0	1-HR	Phase2	515.8148	108.39	ALBS
382502.1	3733248.2	130.9937	3.72	3.72	0	1-HR	Phase2	648.3796	NA	Fenceline
382553	3733272	159.7136	0.96	2.92	0	1-HR	Phase2	786.0803	NA	Fenceline
382560.1	3733276.2	162.1549	0.42	0.42	0	1-HR	Phase2	743.0084	NA	Overwater
382579.7	3733242.7	242.1595	0.37	0.37	0	1-HR	Phase2	593.9018	NA	Overwater
382591.6	3733249.3	249.1205	0.05	0.05	0	1-HR	Phase2	529.6069	NA	Overwater
382588.7	3733254.4	246.8039	0	0	0	1-HR	Phase2	588.1093	NA	Overwater
382598.5	3733259.7	248.4178	0	0	0	1-HR	Phase2	501.1552	NA	Overwater
382602	3733255.4	247.9686	0	0	0	1-HR	Phase2	499.9037	NA	Overwater
382626.6	3733236.3	226.033	0	0	0	1-HR	Phase2	486.8131	NA	Overwater
382642.4	3733211.6	218.1743	0	0	0	1-HR	Phase2	512.6043	NA	Overwater
382667.1	3733171.7	259.1868	0	0	0	1-HR	Phase2	460.2829	NA	Overwater
382679	3733121	235.4324	0	0	0	1-HR	Phase2	410.9791	NA	Overwater
382655.2	3733093.8	177.5086	0	0	0	1-HR	Phase2	421.6183	NA	Overwater
382620.1	3733080.7	159.423	0	0	0	1-HR	Phase2	479.2034	NA	FENCEINT
382541.4	3733105.3	133.4395	3.16	3.16	0	1-HR	Phase2	689.8864	NA	FENCEINT
382534.5	3733148.5	148.9096	3.25	3.25	0	1-HR	Phase2	975.7339	NA	FENCEINT
382513.1	3733156	133.9192	3.26	3.26	0	1-HR	Phase2	984.7574	NA	FENCEINT
382488	3733212.8	126.5808	3.58	3.58	0	1-HR	Phase2	702.1132	NA	FENCEINT
382486.3	3733240.2	120.829	3.91	3.91	0	1-HR	Phase2	637.054	NA	FENCEINT
382527.6	3733260.1	144.1403	3.23	3.23	0	1-HR	Phase2	713.9044	NA	FENCEINT
382569.9	3733259.5	214.9469	0.35	2.92	0	1-HR	Phase2	791.9271	NA	Overwater

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:17:17
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	Impact	Type
382707.9	3733112.6	208.9608	0	0	0	1-HR	Phase3	434.9779		208.96	ALBS
382683.7	3733072.5	218.0761	0	0	0	1-HR	Phase3	352.1992		218.08	ALBS
382648	3733059	229.8177	0	0	0	1-HR	Phase3	392.657		229.82	ALBS
382613.2	3733046.2	235.8987	0	0	0	1-HR	Phase3	394.6089		235.90	ALBS
382583	3733019.9	197.6492	1.81	1.81	0	1-HR	Phase3	363.4209		197.65	ALBS
382553.7	3733037.9	193.8492	3.46	3.46	0	1-HR	Phase3	425.7517		193.85	ALBS
382536.1	3733073.2	225.0054	3.18	3.18	0	1-HR	Phase3	528.7337		225.01	ALBS
382501.4	3733099.5	273.2016	3.16	3.16	0	1-HR	Phase3	603.3842		273.20	ALBS
382483.4	3733121.6	342.3706	3.21	3.21	0	1-HR	Phase3	697.765		342.37	ALBS
382470.2	3733141	357.5642	3.16	3.16	0	1-HR	Phase3	733.715		357.56	ALBS
382460.6	3733178	367.2113	3.66	3.66	0	1-HR	Phase3	630.6101		367.21	ALBS
382458	3733211	255.3773	4.16	4.16	0	1-HR	Phase3	588.0653		255.38	ALBS
382456.3	3733238.4	194.5977	4.61	4.61	0	1-HR	Phase3	527.6544		194.60	ALBS
382454.7	3733265.8	187.805	5.12	5.12	0	1-HR	Phase3	457.1428		187.81	ALBS
382489.9	3733291.5	182.2085	4.49	4.49	0	1-HR	Phase3	436.0106		182.21	ALBS
382518.4	3733301.2	158.8291	2.67	2.67	0	1-HR	Phase3	467.3322		NA	Overwater
382610.9	3733260.9	236.3574	0	0	0	1-HR	Phase3	481.5547		NA	Overwater
382658.1	3733187	277.8145	0	0	0	1-HR	Phase3	474.335		NA	Overwater
382676.1	3733156.5	247.661	0	0	0	1-HR	Phase3	455.683		NA	Overwater
382685	3733141.5	246.6841	0	0	0	1-HR	Phase3	455.4157		NA	Overwater
382673.1	3733100.6	248.0695	0	0	0	1-HR	Phase3	384.4398		NA	Overwater
382637.4	3733087	286.2724	0	0	0	1-HR	Phase3	438.6604		NA	Fenceline
382602.9	3733074.3	302.3374	0	0	0	1-HR	Phase3	470.3419		NA	Fenceline
382602.1	3733051.1	251.8309	0	3.43	0	1-HR	Phase3	400.9415		251.83	ALBS
382581.2	3733049.8	252.0685	2.04	2.04	0	1-HR	Phase3	435.8632		NA	Fenceline
382572.8	3733069.1	294.1765	2.99	3.17	0	1-HR	Phase3	491.8886		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	Impact	Type
382562.2	3733087.9	351.033	2.92	2.92	0	1-HR	Phase3	550.5964		NA	Fenceline
382520.6	3733122.6	416.2951	3.16	3.16	0	1-HR	Phase3	796.8579		NA	Fenceline
382542	3733133.8	516.6166	3.17	3.17	0	1-HR	Phase3	947.6701		NA	Fenceline
382527	3733163.3	555.2734	3.39	3.39	0	1-HR	Phase3	934.0032		NA	Fenceline
382499.2	3733148.7	508.0044	3.05	3.05	0	1-HR	Phase3	909.0619		NA	Fenceline
382494.4	3733167	510.7943	2.92	2.92	0	1-HR	Phase3	885.4321		NA	Fenceline
382489.7	3733185.4	506.7232	3.22	3.22	0	1-HR	Phase3	763.9213		NA	Fenceline
382484.6	3733267.6	226.1819	4.28	4.28	0	1-HR	Phase3	515.8148		226.18	ALBS
382502.1	3733248.2	302.6966	3.72	3.72	0	1-HR	Phase3	648.3796		NA	Fenceline
382553	3733272	227.7378	0.96	2.92	0	1-HR	Phase3	786.0803		NA	Fenceline
382560.1	3733276.2	224.0471	0.42	0.42	0	1-HR	Phase3	743.0084		NA	Overwater
382579.7	3733242.7	379.3379	0.37	0.37	0	1-HR	Phase3	593.9018		NA	Overwater
382591.6	3733249.3	326.8673	0.05	0.05	0	1-HR	Phase3	529.6069		NA	Overwater
382588.7	3733254.4	321.5769	0	0	0	1-HR	Phase3	588.1093		NA	Overwater
382598.5	3733259.7	288.3072	0	0	0	1-HR	Phase3	501.1552		NA	Overwater
382602	3733255.4	277.7362	0	0	0	1-HR	Phase3	499.9037		NA	Overwater
382626.6	3733236.3	186.1683	0	0	0	1-HR	Phase3	486.8131		NA	Overwater
382642.4	3733211.6	260.4257	0	0	0	1-HR	Phase3	512.6043		NA	Overwater
382667.1	3733171.7	276.0321	0	0	0	1-HR	Phase3	460.2829		NA	Overwater
382679	3733121	253.852	0	0	0	1-HR	Phase3	410.9791		NA	Overwater
382655.2	3733093.8	272.6657	0	0	0	1-HR	Phase3	421.6183		NA	Overwater
382620.1	3733080.7	306.4201	0	0	0	1-HR	Phase3	479.2034		NA	FENCEINT
382541.4	3733105.3	335.9848	3.16	3.16	0	1-HR	Phase3	689.8864		NA	FENCEINT
382534.5	3733148.5	570.8339	3.25	3.25	0	1-HR	Phase3	975.7339		NA	FENCEINT
382513.1	3733156	571.0683	3.26	3.26	0	1-HR	Phase3	984.7574		NA	FENCEINT
382488	3733212.8	347.9831	3.58	3.58	0	1-HR	Phase3	702.1132		NA	FENCEINT
382486.3	3733240.2	288.0121	3.91	3.91	0	1-HR	Phase3	637.054		NA	FENCEINT
382527.6	3733260.1	273.0422	3.23	3.23	0	1-HR	Phase3	713.9044		NA	FENCEINT
382569.9	3733259.5	309.1808	0.35	2.92	0	1-HR	Phase3	791.9271		NA	Overwater

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:33:22
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID

										Impact	Type
382707.85	3733112.6	0.87914	0	0	0	ANNUAL	PHASE1	1		0.88	ALBS
382683.73	3733072.5	0.75411	0	0	0	ANNUAL	PHASE1	1		0.75	ALBS
382647.97	3733059	0.58366	0	0	0	ANNUAL	PHASE1	1		0.58	ALBS
382613.22	3733046.2	0.4074	0	0	0	ANNUAL	PHASE1	1		0.41	ALBS
382583.03	3733019.9	0.27465	1.81	1.81	0	ANNUAL	PHASE1	1		0.27	ALBS
382553.66	3733037.9	0.23878	3.46	3.46	0	ANNUAL	PHASE1	1		0.24	ALBS
382536.08	3733073.2	0.25196	3.18	3.18	0	ANNUAL	PHASE1	1		0.25	ALBS
382501.43	3733099.5	0.20293	3.16	3.16	0	ANNUAL	PHASE1	1		0.20	ALBS
382483.38	3733121.6	0.20926	3.21	3.21	0	ANNUAL	PHASE1	1		0.21	ALBS
382470.23	3733141	0.24144	3.16	3.16	0	ANNUAL	PHASE1	1		0.24	ALBS
382460.59	3733178	0.38742	3.66	3.66	0	ANNUAL	PHASE1	1		0.39	ALBS
382458.02	3733211	0.64641	4.16	4.16	0	ANNUAL	PHASE1	1		0.65	ALBS
382456.33	3733238.4	0.89148	4.61	4.61	0	ANNUAL	PHASE1	1		0.89	ALBS
382454.65	3733265.8	0.9693	5.12	5.12	0	ANNUAL	PHASE1	1		0.97	ALBS
382489.93	3733291.5	1.61431	4.49	4.49	0	ANNUAL	PHASE1	1		1.61	ALBS
382518.43	3733301.2	2.34094	2.67	2.67	0	ANNUAL	PHASE1	1	NA		Overwater
382610.87	3733260.9	4.37496	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382658.09	3733187	1.64586	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382676.06	3733156.5	1.24957	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382684.97	3733141.5	1.09928	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382673.11	3733100.6	0.89029	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382637.35	3733087	0.65822	0	0	0	ANNUAL	PHASE1	1	NA		Fenceline
382602.87	3733074.3	0.44108	0	0	0	ANNUAL	PHASE1	1	NA		Fenceline
382602.05	3733051.1	0.38228	0	3.43	0	ANNUAL	PHASE1	1		0.38	ALBS
382581.18	3733049.8	0.32493	2.04	2.04	0	ANNUAL	PHASE1	1	NA		Fenceline
382572.84	3733069.1	0.34303	2.99	3.17	0	ANNUAL	PHASE1	1	NA		Fenceline
382562.24	3733087.9	0.35258	2.92	2.92	0	ANNUAL	PHASE1	1	NA		Fenceline
382520.63	3733122.6	0.31983	3.16	3.16	0	ANNUAL	PHASE1	1	NA		Fenceline
382541.95	3733133.8	0.41893	3.17	3.17	0	ANNUAL	PHASE1	1	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		Impact	Type
382526.98	3733163.3	0.71604	3.39	3.39	0	ANNUAL	PHASE1	1		NA		Fenceline
382499.23	3733148.7	0.33057	3.05	3.05	0	ANNUAL	PHASE1	1		NA		Fenceline
382494.38	3733167	0.42374	2.92	2.92	0	ANNUAL	PHASE1	1		NA		Fenceline
382489.65	3733185.4	0.59028	3.22	3.22	0	ANNUAL	PHASE1	1		NA		Fenceline
382484.59	3733267.6	1.74437	4.28	4.28	0	ANNUAL	PHASE1	1			1.74	ALBS
382502.13	3733248.2	2.72579	3.72	3.72	0	ANNUAL	PHASE1	1		NA		Fenceline
382552.99	3733272	4.49649	0.96	2.92	0	ANNUAL	PHASE1	1		NA		Fenceline
382560.13	3733276.2	4.96834	0.42	0.42	0	ANNUAL	PHASE1	1		NA		Overwater
382579.71	3733242.7	3.75538	0.37	0.37	0	ANNUAL	PHASE1	1		NA		Overwater
382591.57	3733249.3	4.24019	0.05	0.05	0	ANNUAL	PHASE1	1		NA		Overwater
382588.68	3733254.4	4.0972	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382598.46	3733259.7	4.24015	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382601.96	3733255.4	4.38796	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382626.61	3733236.3	3.3916	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382642.35	3733211.6	2.32951	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382667.08	3733171.7	1.42848	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382679.04	3733121	1.01854	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382655.23	3733093.8	0.79083	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382620.11	3733080.7	0.53702	0	0	0	ANNUAL	PHASE1	1		NA		FENCEINT
382541.44	3733105.3	0.33936	3.16	3.16	0	ANNUAL	PHASE1	1		NA		FENCEINT
382534.46	3733148.5	0.52049	3.25	3.25	0	ANNUAL	PHASE1	1		NA		FENCEINT
382513.11	3733156	0.48295	3.26	3.26	0	ANNUAL	PHASE1	1		NA		FENCEINT
382487.96	3733212.8	1.11517	3.58	3.58	0	ANNUAL	PHASE1	1		NA		FENCEINT
382486.28	3733240.2	1.79905	3.91	3.91	0	ANNUAL	PHASE1	1		NA		FENCEINT
382527.56	3733260.1	3.7402	3.23	3.23	0	ANNUAL	PHASE1	1		NA		FENCEINT
382569.92	3733259.5	3.74429	0.35	2.92	0	ANNUAL	PHASE1	1		NA		Overwater

** CONCUNIT ug /m^3
** DEPUNIT g/m ^2
** CONCUNIT ug /m^3
** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:33:22
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID

										Impact	Type
382707.85	3733112.6	1.38316	0	0	0	ANNUAL	PHASE2	1		1.38	ALBS
382683.73	3733072.5	0.68954	0	0	0	ANNUAL	PHASE2	1		0.69	ALBS
382647.97	3733059	0.41371	0	0	0	ANNUAL	PHASE2	1		0.41	ALBS
382613.22	3733046.2	0.23511	0	0	0	ANNUAL	PHASE2	1		0.24	ALBS
382583.03	3733019.9	0.13744	1.81	1.81	0	ANNUAL	PHASE2	1		0.14	ALBS
382553.66	3733037.9	0.125	3.46	3.46	0	ANNUAL	PHASE2	1		0.13	ALBS
382536.08	3733073.2	0.13629	3.18	3.18	0	ANNUAL	PHASE2	1		0.14	ALBS
382501.43	3733099.5	0.12402	3.16	3.16	0	ANNUAL	PHASE2	1		0.12	ALBS
382483.38	3733121.6	0.1196	3.21	3.21	0	ANNUAL	PHASE2	1		0.12	ALBS
382470.23	3733141	0.13003	3.16	3.16	0	ANNUAL	PHASE2	1		0.13	ALBS
382460.59	3733178	0.16372	3.66	3.66	0	ANNUAL	PHASE2	1		0.16	ALBS
382458.02	3733211	0.20582	4.16	4.16	0	ANNUAL	PHASE2	1		0.21	ALBS
382456.33	3733238.4	0.23603	4.61	4.61	0	ANNUAL	PHASE2	1		0.24	ALBS
382454.65	3733265.8	0.25231	5.12	5.12	0	ANNUAL	PHASE2	1		0.25	ALBS
382489.93	3733291.5	0.34933	4.49	4.49	0	ANNUAL	PHASE2	1		0.35	ALBS
382518.43	3733301.2	0.4645	2.67	2.67	0	ANNUAL	PHASE2	1	NA		Overwater
382610.87	3733260.9	2.64569	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382658.09	3733187	2.81979	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382676.06	3733156.5	2.12173	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382684.97	3733141.5	1.77588	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382673.11	3733100.6	0.88999	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382637.35	3733087	0.51866	0	0	0	ANNUAL	PHASE2	1	NA		Fenceline
382602.87	3733074.3	0.27554	0	0	0	ANNUAL	PHASE2	1	NA		Fenceline
382602.05	3733051.1	0.21552	0	3.43	0	ANNUAL	PHASE2	1		0.22	ALBS
382581.18	3733049.8	0.16957	2.04	2.04	0	ANNUAL	PHASE2	1	NA		Fenceline
382572.84	3733069.1	0.18281	2.99	3.17	0	ANNUAL	PHASE2	1	NA		Fenceline
382562.24	3733087.9	0.19157	2.92	2.92	0	ANNUAL	PHASE2	1	NA		Fenceline
382520.63	3733122.6	0.15531	3.16	3.16	0	ANNUAL	PHASE2	1	NA		Fenceline
382541.95	3733133.8	0.21831	3.17	3.17	0	ANNUAL	PHASE2	1	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		Impact	Type
382526.98	3733163.3	0.20383	3.39	3.39	0	ANNUAL	PHASE2	1			NA	Fenceline
382499.23	3733148.7	0.1535	3.05	3.05	0	ANNUAL	PHASE2	1			NA	Fenceline
382494.38	3733167	0.17092	2.92	2.92	0	ANNUAL	PHASE2	1			NA	Fenceline
382489.65	3733185.4	0.19529	3.22	3.22	0	ANNUAL	PHASE2	1			NA	Fenceline
382484.59	3733267.6	0.33298	4.28	4.28	0	ANNUAL	PHASE2	1			0.33	ALBS
382502.13	3733248.2	0.39168	3.72	3.72	0	ANNUAL	PHASE2	1			NA	Fenceline
382552.99	3733272	0.87439	0.96	2.92	0	ANNUAL	PHASE2	1			NA	Fenceline
382560.13	3733276.2	0.95722	0.42	0.42	0	ANNUAL	PHASE2	1			NA	Overwater
382579.71	3733242.7	2.05288	0.37	0.37	0	ANNUAL	PHASE2	1			NA	Overwater
382591.57	3733249.3	2.31589	0.05	0.05	0	ANNUAL	PHASE2	1			NA	Overwater
382588.68	3733254.4	2.08424	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382598.46	3733259.7	2.29222	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382601.96	3733255.4	2.51416	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382626.61	3733236.3	3.3791	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382642.35	3733211.6	2.83165	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382667.08	3733171.7	2.52257	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382679.04	3733121	1.24143	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382655.23	3733093.8	0.69459	0	0	0	ANNUAL	PHASE2	1			NA	Overwater
382620.11	3733080.7	0.37792	0	0	0	ANNUAL	PHASE2	1			NA	FENCEINT
382541.44	3733105.3	0.18033	3.16	3.16	0	ANNUAL	PHASE2	1			NA	FENCEINT
382534.46	3733148.5	0.2042	3.25	3.25	0	ANNUAL	PHASE2	1			NA	FENCEINT
382513.11	3733156	0.16991	3.26	3.26	0	ANNUAL	PHASE2	1			NA	FENCEINT
382487.96	3733212.8	0.2603	3.58	3.58	0	ANNUAL	PHASE2	1			NA	FENCEINT
382486.28	3733240.2	0.30817	3.91	3.91	0	ANNUAL	PHASE2	1			NA	FENCEINT
382527.56	3733260.1	0.58995	3.23	3.23	0	ANNUAL	PHASE2	1			NA	FENCEINT
382569.92	3733259.5	1.4862	0.35	2.92	0	ANNUAL	PHASE2	1			NA	Overwater

** CONCUNIT ug /m^3
** DEPUNIT g/m ^2
** CONCUNIT ug /m^3
** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:33:22
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Impact	Type
382707.9	3733112.6	0.74242	0	0	0	ANNUAL	PHASE3	1		0.74	ALBS
382683.7	3733072.5	1.24414	0	0	0	ANNUAL	PHASE3	1		1.24	ALBS
382648	3733059	1.68062	0	0	0	ANNUAL	PHASE3	1		1.68	ALBS
382613.2	3733046.2	1.67851	0	0	0	ANNUAL	PHASE3	1		1.68	ALBS
382583	3733019.9	1.08772	1.81	1.81	0	ANNUAL	PHASE3	1		1.09	ALBS
382553.7	3733037.9	0.87005	3.46	3.46	0	ANNUAL	PHASE3	1		0.87	ALBS
382536.1	3733073.2	0.93399	3.18	3.18	0	ANNUAL	PHASE3	1		0.93	ALBS
382501.4	3733099.5	0.66106	3.16	3.16	0	ANNUAL	PHASE3	1		0.66	ALBS
382483.4	3733121.6	0.78005	3.21	3.21	0	ANNUAL	PHASE3	1		0.78	ALBS
382470.2	3733141	1.02106	3.16	3.16	0	ANNUAL	PHASE3	1		1.02	ALBS
382460.6	3733178	1.51661	3.66	3.66	0	ANNUAL	PHASE3	1		1.52	ALBS
382458	3733211	1.646	4.16	4.16	0	ANNUAL	PHASE3	1		1.65	ALBS
382456.3	3733238.4	1.45375	4.61	4.61	0	ANNUAL	PHASE3	1		1.45	ALBS
382454.7	3733265.8	1.18449	5.12	5.12	0	ANNUAL	PHASE3	1		1.18	ALBS
382489.9	3733291.5	1.32132	4.49	4.49	0	ANNUAL	PHASE3	1		1.32	ALBS
382518.4	3733301.2	1.46228	2.67	2.67	0	ANNUAL	PHASE3	1		NA	Overwater
382610.9	3733260.9	1.32713	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
382658.1	3733187	0.65526	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
382676.1	3733156.5	0.76478	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
382685	3733141.5	0.78973	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
382673.1	3733100.6	1.28846	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
382637.4	3733087	1.95413	0	0	0	ANNUAL	PHASE3	1		NA	Fenceline
382602.9	3733074.3	2.13163	0	0	0	ANNUAL	PHASE3	1		NA	Fenceline
382602.1	3733051.1	1.70069	0	3.43	0	ANNUAL	PHASE3	1		1.70	ALBS
382581.2	3733049.8	1.49049	2.04	2.04	0	ANNUAL	PHASE3	1		NA	Fenceline
382572.8	3733069.1	1.71621	2.99	3.17	0	ANNUAL	PHASE3	1		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	1.95801	2.92	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382520.6	3733122.6	1.24951	3.16	3.16		0	ANNUAL	PHASE3	1		NA	Fenceline
382542	3733133.8	2.95579	3.17	3.17		0	ANNUAL	PHASE3	1		NA	Fenceline
382527	3733163.3	5.12113	3.39	3.39		0	ANNUAL	PHASE3	1		NA	Fenceline
382499.2	3733148.7	1.71513	3.05	3.05		0	ANNUAL	PHASE3	1		NA	Fenceline
382494.4	3733167	2.42758	2.92	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382489.7	3733185.4	2.89794	3.22	3.22		0	ANNUAL	PHASE3	1		NA	Fenceline
382484.6	3733267.6	1.66315	4.28	4.28		0	ANNUAL	PHASE3	1		1.66	ALBS
382502.1	3733248.2	2.74505	3.72	3.72		0	ANNUAL	PHASE3	1		NA	Fenceline
382553	3733272	2.68881	0.96	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382560.1	3733276.2	2.40062	0.42	0.42		0	ANNUAL	PHASE3	1		NA	Overwater
382579.7	3733242.7	3.34436	0.37	0.37		0	ANNUAL	PHASE3	1		NA	Overwater
382591.6	3733249.3	2.32077	0.05	0.05		0	ANNUAL	PHASE3	1		NA	Overwater
382588.7	3733254.4	2.3669	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382598.5	3733259.7	1.80738	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382602	3733255.4	1.71059	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382626.6	3733236.3	0.84666	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382642.4	3733211.6	0.5924	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382667.1	3733171.7	0.71996	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382679	3733121	1.04257	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382655.2	3733093.8	1.63644	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382620.1	3733080.7	2.14346	0	0		0	ANNUAL	PHASE3	1		NA	FENCEINT
382541.4	3733105.3	1.71195	3.16	3.16		0	ANNUAL	PHASE3	1		NA	FENCEINT
382534.5	3733148.5	3.47247	3.25	3.25		0	ANNUAL	PHASE3	1		NA	FENCEINT
382513.1	3733156	2.64579	3.26	3.26		0	ANNUAL	PHASE3	1		NA	FENCEINT
382488	3733212.8	3.06972	3.58	3.58		0	ANNUAL	PHASE3	1		NA	FENCEINT
382486.3	3733240.2	2.33421	3.91	3.91		0	ANNUAL	PHASE3	1		NA	FENCEINT
382527.6	3733260.1	3.08708	3.23	3.23		0	ANNUAL	PHASE3	1		NA	FENCEINT
382569.9	3733259.5	3.05467	0.35	2.92		0	ANNUAL	PHASE3	1		NA	Overwater

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:12:36
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	7.81275	0	0	0	24-HR	PHASE1	1ST	6120524		7.81	ALBS
382683.7	3733072.5	7.18344	0	0	0	24-HR	PHASE1	1ST	6120524		7.18	ALBS
382648	3733059	6.10153	0	0	0	24-HR	PHASE1	1ST	6120624		6.10	ALBS
382613.2	3733046.2	6.39143	0	0	0	24-HR	PHASE1	1ST	6120624		6.39	ALBS
382583	3733019.9	4.92812	1.81	1.81	0	24-HR	PHASE1	1ST	6120624		4.93	ALBS
382553.7	3733037.9	4.01634	3.46	3.46	0	24-HR	PHASE1	1ST	6120624		4.02	ALBS
382536.1	3733073.2	4.55921	3.18	3.18	0	24-HR	PHASE1	1ST	6120724		4.56	ALBS
382501.4	3733099.5	5.67728	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		5.68	ALBS
382483.4	3733121.6	5.94054	3.21	3.21	0	24-HR	PHASE1	1ST	7011124		5.94	ALBS
382470.2	3733141	8.92349	3.16	3.16	0	24-HR	PHASE1	1ST	6120924		8.92	ALBS
382460.6	3733178	13.6479	3.66	3.66	0	24-HR	PHASE1	1ST	6120924		13.65	ALBS
382458	3733211	14.04506	4.16	4.16	0	24-HR	PHASE1	1ST	6110924		14.05	ALBS
382456.3	3733238.4	11.09536	4.61	4.61	0	24-HR	PHASE1	1ST	7020724		11.10	ALBS
382454.7	3733265.8	11.00848	5.12	5.12	0	24-HR	PHASE1	1ST	6121524		11.01	ALBS
382489.9	3733291.5	14.88472	4.49	4.49	0	24-HR	PHASE1	1ST	6121524		14.88	ALBS
382518.4	3733301.2	18.80661	2.67	2.67	0	24-HR	PHASE1	1ST	6121524		NA	Overwater
382610.9	3733260.9	27.35385	0	0	0	24-HR	PHASE1	1ST	7020124		NA	Overwater
382658.1	3733187	13.57523	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382676.1	3733156.5	10.69104	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382685	3733141.5	9.64665	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382673.1	3733100.6	8.44511	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382637.4	3733087	7.23911	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.9	3733074.3	7.34655	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.1	3733051.1	6.43307	0	3.43	0	24-HR	PHASE1	1ST	6120624		6.43	ALBS
382581.2	3733049.8	5.86246	2.04	2.04	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382572.8	3733069.1	6.29889	2.99	3.17	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382562.2	3733087.9	6.57035	2.92	2.92	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382520.6	3733122.6	6.82158	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		NA	Fenceline
382542	3733133.8	8.22392	3.17	3.17	0	24-HR	PHASE1	1ST	6120724		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	11.26853	3.39	3.39	0	24-HR	PHASE1	1ST		7010424	NA	Fenceline
382499.2	3733148.7	8.32897	3.05	3.05	0	24-HR	PHASE1	1ST		6120924	NA	Fenceline
382494.4	3733167	13.00861	2.92	2.92	0	24-HR	PHASE1	1ST		6120924	NA	Fenceline
382489.7	3733185.4	18.49938	3.22	3.22	0	24-HR	PHASE1	1ST		6120924	NA	Fenceline
382484.6	3733267.6	15.85714	4.28	4.28	0	24-HR	PHASE1	1ST		6121524	15.86	ALBS
382502.1	3733248.2	19.11592	3.72	3.72	0	24-HR	PHASE1	1ST		6121524	NA	Fenceline
382553	3733272	26.16752	0.96	2.92	0	24-HR	PHASE1	1ST		6110924	NA	Fenceline
382560.1	3733276.2	25.53096	0.42	0.42	0	24-HR	PHASE1	1ST		6110924	NA	Overwater
382579.7	3733242.7	22.67831	0.37	0.37	0	24-HR	PHASE1	1ST		7010424	NA	Overwater
382591.6	3733249.3	22.94065	0.05	0.05	0	24-HR	PHASE1	1ST		6122624	NA	Overwater
382588.7	3733254.4	21.63639	0	0	0	24-HR	PHASE1	1ST		7010424	NA	Overwater
382598.5	3733259.7	23.24298	0	0	0	24-HR	PHASE1	1ST		7020124	NA	Overwater
382602	3733255.4	25.12645	0	0	0	24-HR	PHASE1	1ST		7012924	NA	Overwater
382626.6	3733236.3	23.15345	0	0	0	24-HR	PHASE1	1ST		6122624	NA	Overwater
382642.4	3733211.6	17.3111	0	0	0	24-HR	PHASE1	1ST		6120524	NA	Overwater
382667.1	3733171.7	11.97478	0	0	0	24-HR	PHASE1	1ST		6120524	NA	Overwater
382679	3733121	9.1935	0	0	0	24-HR	PHASE1	1ST		6120524	NA	Overwater
382655.2	3733093.8	8.06915	0	0	0	24-HR	PHASE1	1ST		6120524	NA	Overwater
382620.1	3733080.7	7.55657	0	0	0	24-HR	PHASE1	1ST		6120624	NA	FENCEINT
382541.4	3733105.3	6.13069	3.16	3.16	0	24-HR	PHASE1	1ST		6120724	NA	FENCEINT
382534.5	3733148.5	9.1173	3.25	3.25	0	24-HR	PHASE1	1ST		6120724	NA	FENCEINT
382513.1	3733156	9.76296	3.26	3.26	0	24-HR	PHASE1	1ST		7010424	NA	FENCEINT
382488	3733212.8	21.96878	3.58	3.58	0	24-HR	PHASE1	1ST		6110924	NA	FENCEINT
382486.3	3733240.2	17.44746	3.91	3.91	0	24-HR	PHASE1	1ST		7012724	NA	FENCEINT
382527.6	3733260.1	22.32551	3.23	3.23	0	24-HR	PHASE1	1ST		6110924	NA	FENCEINT
382569.9	3733259.5	27.35511	0.35	2.92	0	24-HR	PHASE1	1ST		6110924	NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:12:36
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	12.66103	0	0	0	24-HR	PHASE2	1ST	6120624		12.66	ALBS
382683.7	3733072.5	7.25342	0	0	0	24-HR	PHASE2	1ST	6120624		7.25	ALBS
382648	3733059	4.20546	0	0	0	24-HR	PHASE2	1ST	6120624		4.21	ALBS
382613.2	3733046.2	2.942	0	0	0	24-HR	PHASE2	1ST	7011124		2.94	ALBS
382583	3733019.9	2.57383	1.81	1.81	0	24-HR	PHASE2	1ST	7011124		2.57	ALBS
382553.7	3733037.9	2.57039	3.46	3.46	0	24-HR	PHASE2	1ST	7011124		2.57	ALBS
382536.1	3733073.2	3.75182	3.18	3.18	0	24-HR	PHASE2	1ST	6120924		3.75	ALBS
382501.4	3733099.5	4.40648	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		4.41	ALBS
382483.4	3733121.6	4.25933	3.21	3.21	0	24-HR	PHASE2	1ST	6120924		4.26	ALBS
382470.2	3733141	3.93913	3.16	3.16	0	24-HR	PHASE2	1ST	6110924		3.94	ALBS
382460.6	3733178	3.05874	3.66	3.66	0	24-HR	PHASE2	1ST	7012824		3.06	ALBS
382458	3733211	3.78586	4.16	4.16	0	24-HR	PHASE2	1ST	7020724		3.79	ALBS
382456.3	3733238.4	3.53363	4.61	4.61	0	24-HR	PHASE2	1ST	7020724		3.53	ALBS
382454.7	3733265.8	4.02865	5.12	5.12	0	24-HR	PHASE2	1ST	6121524		4.03	ALBS
382489.9	3733291.5	5.50366	4.49	4.49	0	24-HR	PHASE2	1ST	6121524		5.50	ALBS
382518.4	3733301.2	6.4393	2.67	2.67	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382610.9	3733260.9	14.5386	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382658.1	3733187	13.62556	0	0	0	24-HR	PHASE2	1ST	6122424		NA	Overwater
382676.1	3733156.5	14.10798	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382685	3733141.5	14.41988	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382673.1	3733100.6	8.02163	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382637.4	3733087	4.50763	0	0	0	24-HR	PHASE2	1ST	6120724		NA	Fenceline
382602.9	3733074.3	3.49475	0	0	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382602.1	3733051.1	3.05786	0	3.43	0	24-HR	PHASE2	1ST	7011124		3.06	ALBS
382581.2	3733049.8	2.97943	2.04	2.04	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382572.8	3733069.1	3.18403	2.99	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382562.2	3733087.9	4.09463	2.92	2.92	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382520.6	3733122.6	5.48997	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382542	3733133.8	6.54981	3.17	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	6.73999	3.39	3.39	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382499.2	3733148.7	5.01958	3.05	3.05	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382494.4	3733167	4.74228	2.92	2.92	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382489.7	3733185.4	4.03797	3.22	3.22	0	24-HR	PHASE2	1ST	7012824		NA	Fenceline
382484.6	3733267.6	5.14828	4.28	4.28	0	24-HR	PHASE2	1ST	6121524		5.15	ALBS
382502.1	3733248.2	5.44293	3.72	3.72	0	24-HR	PHASE2	1ST	6121524		NA	Fenceline
382553	3733272	9.84928	0.96	2.92	0	24-HR	PHASE2	1ST	6121524		NA	Fenceline
382560.1	3733276.2	10.45057	0.42	0.42	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382579.7	3733242.7	11.65906	0.37	0.37	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382591.6	3733249.3	12.70269	0.05	0.05	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382588.7	3733254.4	12.50367	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382598.5	3733259.7	13.62852	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382602	3733255.4	13.77883	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382626.6	3733236.3	13.68357	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382642.4	3733211.6	11.52011	0	0	0	24-HR	PHASE2	1ST	7010424		NA	Overwater
382667.1	3733171.7	13.74744	0	0	0	24-HR	PHASE2	1ST	6122424		NA	Overwater
382679	3733121	10.73955	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382655.2	3733093.8	5.88181	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382620.1	3733080.7	3.85738	0	0	0	24-HR	PHASE2	1ST	7010424		NA	FENCEINT
382541.4	3733105.3	4.99843	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		NA	FENCEINT
382534.5	3733148.5	6.98459	3.25	3.25	0	24-HR	PHASE2	1ST	6120924		NA	FENCEINT
382513.1	3733156	5.76385	3.26	3.26	0	24-HR	PHASE2	1ST	6110924		NA	FENCEINT
382488	3733212.8	4.53436	3.58	3.58	0	24-HR	PHASE2	1ST	7020724		NA	FENCEINT
382486.3	3733240.2	4.32658	3.91	3.91	0	24-HR	PHASE2	1ST	6121524		NA	FENCEINT
382527.6	3733260.1	7.38837	3.23	3.23	0	24-HR	PHASE2	1ST	6121524		NA	FENCEINT
382569.9	3733259.5	11.87812	0.35	2.92	0	24-HR	PHASE2	1ST	6121524		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:12:36
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	14.53021	0	0	0	24-HR	PHASE3	1ST	7020124		14.53	ALBS
382683.7	3733072.5	20.57931	0	0	0	24-HR	PHASE3	1ST	7013124		20.58	ALBS
382648	3733059	20.62976	0	0	0	24-HR	PHASE3	1ST	7022124		20.63	ALBS
382613.2	3733046.2	20.43902	0	0	0	24-HR	PHASE3	1ST	6120524		20.44	ALBS
382583	3733019.9	17.59983	1.81	1.81	0	24-HR	PHASE3	1ST	6120624		17.60	ALBS
382553.7	3733037.9	16.57839	3.46	3.46	0	24-HR	PHASE3	1ST	6120624		16.58	ALBS
382536.1	3733073.2	16.0145	3.18	3.18	0	24-HR	PHASE3	1ST	6120624		16.01	ALBS
382501.4	3733099.5	18.60163	3.16	3.16	0	24-HR	PHASE3	1ST	6120924		18.60	ALBS
382483.4	3733121.6	30.33877	3.21	3.21	0	24-HR	PHASE3	1ST	6120924		30.34	ALBS
382470.2	3733141	29.33699	3.16	3.16	0	24-HR	PHASE3	1ST	6110924		29.34	ALBS
382460.6	3733178	25.8664	3.66	3.66	0	24-HR	PHASE3	1ST	7020724		25.87	ALBS
382458	3733211	29.50673	4.16	4.16	0	24-HR	PHASE3	1ST	6121524		29.51	ALBS
382456.3	3733238.4	23.59244	4.61	4.61	0	24-HR	PHASE3	1ST	6121524		23.59	ALBS
382454.7	3733265.8	13.62099	5.12	5.12	0	24-HR	PHASE3	1ST	6121524		13.62	ALBS
382489.9	3733291.5	10.48158	4.49	4.49	0	24-HR	PHASE3	1ST	6102324		10.48	ALBS
382518.4	3733301.2	9.87009	2.67	2.67	0	24-HR	PHASE3	1ST	7040524		NA	Overwater
382610.9	3733260.9	16.5267	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382658.1	3733187	21.93025	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382676.1	3733156.5	23.01675	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382685	3733141.5	20.63261	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382673.1	3733100.6	23.06994	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382637.4	3733087	27.82498	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Fenceline
382602.9	3733074.3	28.91976	0	0	0	24-HR	PHASE3	1ST	6120524		NA	Fenceline
382602.1	3733051.1	20.01467	0	3.43	0	24-HR	PHASE3	1ST	6120524		20.01	ALBS
382581.2	3733049.8	22.87015	2.04	2.04	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382572.8	3733069.1	28.24822	2.99	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382562.2	3733087.9	35.08634	2.92	2.92	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382520.6	3733122.6	31.38825	3.16	3.16	0	24-HR	PHASE3	1ST	7010424		NA	Fenceline
382542	3733133.8	52.28924	3.17	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	63.09989	3.39	3.39	0	24-HR	PHASE3	1ST	6120924		NA	Fenceline
382499.2	3733148.7	46.04422	3.05	3.05	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382494.4	3733167	46.4801	2.92	2.92	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382489.7	3733185.4	38.70085	3.22	3.22	0	24-HR	PHASE3	1ST	7020724		NA	Fenceline
382484.6	3733267.6	12.82484	4.28	4.28	0	24-HR	PHASE3	1ST	7032324		12.82	ALBS
382502.1	3733248.2	20.64586	3.72	3.72	0	24-HR	PHASE3	1ST	6121524		NA	Fenceline
382553	3733272	20.78372	0.96	2.92	0	24-HR	PHASE3	1ST	6091924		NA	Fenceline
382560.1	3733276.2	20.2891	0.42	0.42	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382579.7	3733242.7	27.7847	0.37	0.37	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382591.6	3733249.3	21.54002	0.05	0.05	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382588.7	3733254.4	20.90269	0	0	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382598.5	3733259.7	17.52232	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382602	3733255.4	18.71497	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382626.6	3733236.3	17.29312	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382642.4	3733211.6	16.95646	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382667.1	3733171.7	23.489	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382679	3733121	19.32291	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382655.2	3733093.8	28.27545	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382620.1	3733080.7	29.84814	0	0	0	24-HR	PHASE3	1ST	6120524		NA	FENCEINT
382541.4	3733105.3	30.95009	3.16	3.16	0	24-HR	PHASE3	1ST	6120624		NA	FENCEINT
382534.5	3733148.5	62.09429	3.25	3.25	0	24-HR	PHASE3	1ST	7010424		NA	FENCEINT
382513.1	3733156	58.05181	3.26	3.26	0	24-HR	PHASE3	1ST	6110924		NA	FENCEINT
382488	3733212.8	46.95395	3.58	3.58	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382486.3	3733240.2	26.25055	3.91	3.91	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382527.6	3733260.1	19.43244	3.23	3.23	0	24-HR	PHASE3	1ST	7040524		NA	FENCEINT
382569.9	3733259.5	25.80032	0.35	2.92	0	24-HR	PHASE3	1ST	6121624		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:30:09
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		**Impact**	**Type**
382707.9	3733112.6	0.05494	0	0	0	ANNUAL	PHASE1	1			0.05	ALBS
382683.7	3733072.5	0.05021	0	0	0	ANNUAL	PHASE1	1			0.05	ALBS
382648	3733059	0.04631	0	0	0	ANNUAL	PHASE1	1			0.05	ALBS
382613.2	3733046.2	0.03612	0	0	0	ANNUAL	PHASE1	1			0.04	ALBS
382583	3733019.9	0.02222	1.81	1.81	0	ANNUAL	PHASE1	1			0.02	ALBS
382553.7	3733037.9	0.01931	3.46	3.46	0	ANNUAL	PHASE1	1			0.02	ALBS
382536.1	3733073.2	0.02263	3.18	3.18	0	ANNUAL	PHASE1	1			0.02	ALBS
382501.4	3733099.5	0.019	3.16	3.16	0	ANNUAL	PHASE1	1			0.02	ALBS
382483.4	3733121.6	0.0198	3.21	3.21	0	ANNUAL	PHASE1	1			0.02	ALBS
382470.2	3733141	0.02215	3.16	3.16	0	ANNUAL	PHASE1	1			0.02	ALBS
382460.6	3733178	0.03429	3.66	3.66	0	ANNUAL	PHASE1	1			0.03	ALBS
382458	3733211	0.0555	4.16	4.16	0	ANNUAL	PHASE1	1			0.06	ALBS
382456.3	3733238.4	0.06968	4.61	4.61	0	ANNUAL	PHASE1	1			0.07	ALBS
382454.7	3733265.8	0.06723	5.12	5.12	0	ANNUAL	PHASE1	1			0.07	ALBS
382489.9	3733291.5	0.10608	4.49	4.49	0	ANNUAL	PHASE1	1			0.11	ALBS
382518.4	3733301.2	0.14579	2.67	2.67	0	ANNUAL	PHASE1	1		NA		Overwater
382610.9	3733260.9	0.26905	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382658.1	3733187	0.11107	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382676.1	3733156.5	0.0821	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382685	3733141.5	0.07187	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382673.1	3733100.6	0.06133	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382637.4	3733087	0.05782	0	0	0	ANNUAL	PHASE1	1		NA		Fenceline
382602.9	3733074.3	0.04502	0	0	0	ANNUAL	PHASE1	1		NA		Fenceline
382602.1	3733051.1	0.03514	0	3.43	0	ANNUAL	PHASE1	1			0.04	ALBS
382581.2	3733049.8	0.0296	2.04	2.04	0	ANNUAL	PHASE1	1		NA		Fenceline
382572.8	3733069.1	0.03404	2.99	3.17	0	ANNUAL	PHASE1	1		NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	0.03832	2.92	2.92		0	ANNUAL	PHASE1	1		NA	Fenceline
382520.6	3733122.6	0.03446	3.16	3.16		0	ANNUAL	PHASE1	1		NA	Fenceline
382542	3733133.8	0.06017	3.17	3.17		0	ANNUAL	PHASE1	1		NA	Fenceline
382527	3733163.3	0.08783	3.39	3.39		0	ANNUAL	PHASE1	1		NA	Fenceline
382499.2	3733148.7	0.03503	3.05	3.05		0	ANNUAL	PHASE1	1		NA	Fenceline
382494.4	3733167	0.04395	2.92	2.92		0	ANNUAL	PHASE1	1		NA	Fenceline
382489.7	3733185.4	0.05983	3.22	3.22		0	ANNUAL	PHASE1	1		NA	Fenceline
382484.6	3733267.6	0.1283	4.28	4.28		0	ANNUAL	PHASE1	1		0.13	ALBS
382502.1	3733248.2	0.22493	3.72	3.72		0	ANNUAL	PHASE1	1		NA	Fenceline
382553	3733272	0.30505	0.96	2.92		0	ANNUAL	PHASE1	1		NA	Fenceline
382560.1	3733276.2	0.31665	0.42	0.42		0	ANNUAL	PHASE1	1		NA	Overwater
382579.7	3733242.7	0.2661	0.37	0.37		0	ANNUAL	PHASE1	1		NA	Overwater
382591.6	3733249.3	0.27586	0.05	0.05		0	ANNUAL	PHASE1	1		NA	Overwater
382588.7	3733254.4	0.2611	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382598.5	3733259.7	0.25795	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382602	3733255.4	0.27458	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382626.6	3733236.3	0.21266	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382642.4	3733211.6	0.14949	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382667.1	3733171.7	0.09492	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382679	3733121	0.06738	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382655.2	3733093.8	0.06098	0	0		0	ANNUAL	PHASE1	1		NA	Overwater
382620.1	3733080.7	0.05236	0	0		0	ANNUAL	PHASE1	1		NA	FENCEINT
382541.4	3733105.3	0.03724	3.16	3.16		0	ANNUAL	PHASE1	1		NA	FENCEINT
382534.5	3733148.5	0.0718	3.25	3.25		0	ANNUAL	PHASE1	1		NA	FENCEINT
382513.1	3733156	0.05355	3.26	3.26		0	ANNUAL	PHASE1	1		NA	FENCEINT
382488	3733212.8	0.10852	3.58	3.58		0	ANNUAL	PHASE1	1		NA	FENCEINT
382486.3	3733240.2	0.15395	3.91	3.91		0	ANNUAL	PHASE1	1		NA	FENCEINT
382527.6	3733260.1	0.29056	3.23	3.23		0	ANNUAL	PHASE1	1		NA	FENCEINT
382569.9	3733259.5	0.25447	0.35	2.92		0	ANNUAL	PHASE1	1		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:30:09
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		**Impact**	**Type**
382707.9	3733112.6	0.09125	0	0	0	ANNUAL	PHASE2	1			0.09	ALBS
382683.7	3733072.5	0.05153	0	0	0	ANNUAL	PHASE2	1			0.05	ALBS
382648	3733059	0.03544	0	0	0	ANNUAL	PHASE2	1			0.04	ALBS
382613.2	3733046.2	0.02007	0	0	0	ANNUAL	PHASE2	1			0.02	ALBS
382583	3733019.9	0.01011	1.81	1.81	0	ANNUAL	PHASE2	1			0.01	ALBS
382553.7	3733037.9	0.00887	3.46	3.46	0	ANNUAL	PHASE2	1			0.01	ALBS
382536.1	3733073.2	0.01066	3.18	3.18	0	ANNUAL	PHASE2	1			0.01	ALBS
382501.4	3733099.5	0.01083	3.16	3.16	0	ANNUAL	PHASE2	1			0.01	ALBS
382483.4	3733121.6	0.01166	3.21	3.21	0	ANNUAL	PHASE2	1			0.01	ALBS
382470.2	3733141	0.01243	3.16	3.16	0	ANNUAL	PHASE2	1			0.01	ALBS
382460.6	3733178	0.01554	3.66	3.66	0	ANNUAL	PHASE2	1			0.02	ALBS
382458	3733211	0.01814	4.16	4.16	0	ANNUAL	PHASE2	1			0.02	ALBS
382456.3	3733238.4	0.01853	4.61	4.61	0	ANNUAL	PHASE2	1			0.02	ALBS
382454.7	3733265.8	0.01753	5.12	5.12	0	ANNUAL	PHASE2	1			0.02	ALBS
382489.9	3733291.5	0.02337	4.49	4.49	0	ANNUAL	PHASE2	1			0.02	ALBS
382518.4	3733301.2	0.03092	2.67	2.67	0	ANNUAL	PHASE2	1		NA		Overwater
382610.9	3733260.9	0.16777	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382658.1	3733187	0.2059	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382676.1	3733156.5	0.14791	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382685	3733141.5	0.12458	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382673.1	3733100.6	0.06942	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382637.4	3733087	0.04788	0	0	0	ANNUAL	PHASE2	1		NA		Fenceline
382602.9	3733074.3	0.02504	0	0	0	ANNUAL	PHASE2	1		NA		Fenceline
382602.1	3733051.1	0.01817	0	3.43	0	ANNUAL	PHASE2	1			0.02	ALBS
382581.2	3733049.8	0.01321	2.04	2.04	0	ANNUAL	PHASE2	1		NA		Fenceline
382572.8	3733069.1	0.01445	2.99	3.17	0	ANNUAL	PHASE2	1		NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	0.01565	2.92	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382520.6	3733122.6	0.01598	3.16	3.16		0	ANNUAL	PHASE2	1		NA	Fenceline
382542	3733133.8	0.02263	3.17	3.17		0	ANNUAL	PHASE2	1		NA	Fenceline
382527	3733163.3	0.03026	3.39	3.39		0	ANNUAL	PHASE2	1		NA	Fenceline
382499.2	3733148.7	0.01781	3.05	3.05		0	ANNUAL	PHASE2	1		NA	Fenceline
382494.4	3733167	0.0208	2.92	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382489.7	3733185.4	0.02339	3.22	3.22		0	ANNUAL	PHASE2	1		NA	Fenceline
382484.6	3733267.6	0.02435	4.28	4.28		0	ANNUAL	PHASE2	1		0.02	ALBS
382502.1	3733248.2	0.03263	3.72	3.72		0	ANNUAL	PHASE2	1		NA	Fenceline
382553	3733272	0.06561	0.96	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382560.1	3733276.2	0.07085	0.42	0.42		0	ANNUAL	PHASE2	1		NA	Overwater
382579.7	3733242.7	0.15307	0.37	0.37		0	ANNUAL	PHASE2	1		NA	Overwater
382591.6	3733249.3	0.16494	0.05	0.05		0	ANNUAL	PHASE2	1		NA	Overwater
382588.7	3733254.4	0.14489	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382598.5	3733259.7	0.15152	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382602	3733255.4	0.16916	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382626.6	3733236.3	0.22472	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382642.4	3733211.6	0.19546	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382667.1	3733171.7	0.17737	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382679	3733121	0.09197	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382655.2	3733093.8	0.0596	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382620.1	3733080.7	0.03574	0	0		0	ANNUAL	PHASE2	1		NA	FENCEINT
382541.4	3733105.3	0.01546	3.16	3.16		0	ANNUAL	PHASE2	1		NA	FENCEINT
382534.5	3733148.5	0.02624	3.25	3.25		0	ANNUAL	PHASE2	1		NA	FENCEINT
382513.1	3733156	0.02273	3.26	3.26		0	ANNUAL	PHASE2	1		NA	FENCEINT
382488	3733212.8	0.02668	3.58	3.58		0	ANNUAL	PHASE2	1		NA	FENCEINT
382486.3	3733240.2	0.02655	3.91	3.91		0	ANNUAL	PHASE2	1		NA	FENCEINT
382527.6	3733260.1	0.04611	3.23	3.23		0	ANNUAL	PHASE2	1		NA	FENCEINT
382569.9	3733259.5	0.10373	0.35	2.92		0	ANNUAL	PHASE2	1		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:30:09
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		**Impact**	**Type**
382707.9	3733112.6	0.06606	0	0	0	ANNUAL	PHASE3	1			0.07	ALBS
382683.7	3733072.5	0.1109	0	0	0	ANNUAL	PHASE3	1			0.11	ALBS
382648	3733059	0.16	0	0	0	ANNUAL	PHASE3	1			0.16	ALBS
382613.2	3733046.2	0.16551	0	0	0	ANNUAL	PHASE3	1			0.17	ALBS
382583	3733019.9	0.09788	1.81	1.81	0	ANNUAL	PHASE3	1			0.10	ALBS
382553.7	3733037.9	0.0788	3.46	3.46	0	ANNUAL	PHASE3	1			0.08	ALBS
382536.1	3733073.2	0.09378	3.18	3.18	0	ANNUAL	PHASE3	1			0.09	ALBS
382501.4	3733099.5	0.07485	3.16	3.16	0	ANNUAL	PHASE3	1			0.07	ALBS
382483.4	3733121.6	0.08903	3.21	3.21	0	ANNUAL	PHASE3	1			0.09	ALBS
382470.2	3733141	0.10576	3.16	3.16	0	ANNUAL	PHASE3	1			0.11	ALBS
382460.6	3733178	0.14487	3.66	3.66	0	ANNUAL	PHASE3	1			0.14	ALBS
382458	3733211	0.14554	4.16	4.16	0	ANNUAL	PHASE3	1			0.15	ALBS
382456.3	3733238.4	0.1203	4.61	4.61	0	ANNUAL	PHASE3	1			0.12	ALBS
382454.7	3733265.8	0.09298	5.12	5.12	0	ANNUAL	PHASE3	1			0.09	ALBS
382489.9	3733291.5	0.1033	4.49	4.49	0	ANNUAL	PHASE3	1			0.10	ALBS
382518.4	3733301.2	0.11292	2.67	2.67	0	ANNUAL	PHASE3	1		NA		Overwater
382610.9	3733260.9	0.10657	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382658.1	3733187	0.06505	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382676.1	3733156.5	0.07288	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382685	3733141.5	0.07394	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382673.1	3733100.6	0.12288	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382637.4	3733087	0.20922	0	0	0	ANNUAL	PHASE3	1		NA		Fenceline
382602.9	3733074.3	0.23774	0	0	0	ANNUAL	PHASE3	1		NA		Fenceline
382602.1	3733051.1	0.17214	0	3.43	0	ANNUAL	PHASE3	1			0.17	ALBS
382581.2	3733049.8	0.14847	2.04	2.04	0	ANNUAL	PHASE3	1		NA		Fenceline
382572.8	3733069.1	0.18466	2.99	3.17	0	ANNUAL	PHASE3	1		NA		Fenceline

382562.2	3733087.9	0.22769	2.92	2.92	0	ANNUAL	PHASE3	1	NA	Fenceline
382520.6	3733122.6	0.16318	3.16	3.16	0	ANNUAL	PHASE3	1	NA	Fenceline
382542	3733133.8	0.4457	3.17	3.17	0	ANNUAL	PHASE3	1	NA	Fenceline
382527	3733163.3	0.63942	3.39	3.39	0	ANNUAL	PHASE3	1	NA	Fenceline
382499.2	3733148.7	0.20621	3.05	3.05	0	ANNUAL	PHASE3	1	NA	Fenceline
382494.4	3733167	0.27818	2.92	2.92	0	ANNUAL	PHASE3	1	NA	Fenceline
382489.7	3733185.4	0.31278	3.22	3.22	0	ANNUAL	PHASE3	1	NA	Fenceline
382484.6	3733267.6	0.13529	4.28	4.28	0	ANNUAL	PHASE3	1	0.14	ALBS
382502.1	3733248.2	0.23677	3.72	3.72	0	ANNUAL	PHASE3	1	NA	Fenceline
382553	3733272	0.21865	0.96	2.92	0	ANNUAL	PHASE3	1	NA	Fenceline
382560.1	3733276.2	0.19627	0.42	0.42	0	ANNUAL	PHASE3	1	NA	Overwater
382579.7	3733242.7	0.28477	0.37	0.37	0	ANNUAL	PHASE3	1	NA	Overwater
382591.6	3733249.3	0.19178	0.05	0.05	0	ANNUAL	PHASE3	1	NA	Overwater
382588.7	3733254.4	0.19498	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382598.5	3733259.7	0.14658	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382602	3733255.4	0.1386	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382626.6	3733236.3	0.07112	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382642.4	3733211.6	0.05775	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382667.1	3733171.7	0.06995	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382679	3733121	0.09899	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382655.2	3733093.8	0.16542	0	0	0	ANNUAL	PHASE3	1	NA	Overwater
382620.1	3733080.7	0.23823	0	0	0	ANNUAL	PHASE3	1	NA	FENCEINT
382541.4	3733105.3	0.20292	3.16	3.16	0	ANNUAL	PHASE3	1	NA	FENCEINT
382534.5	3733148.5	0.5068	3.25	3.25	0	ANNUAL	PHASE3	1	NA	FENCEINT
382513.1	3733156	0.34169	3.26	3.26	0	ANNUAL	PHASE3	1	NA	FENCEINT
382488	3733212.8	0.28838	3.58	3.58	0	ANNUAL	PHASE3	1	NA	FENCEINT
382486.3	3733240.2	0.20258	3.91	3.91	0	ANNUAL	PHASE3	1	NA	FENCEINT
382527.6	3733260.1	0.25642	3.23	3.23	0	ANNUAL	PHASE3	1	NA	FENCEINT
382569.9	3733259.5	0.25376	0.35	2.92	0	ANNUAL	PHASE3	1	NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:35:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 937 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.9	3733112.6	7.16585	0	0	0	24-HR	PHASE1	1ST	6120524		7.17	ALBS
382683.7	3733072.5	6.58457	0	0	0	24-HR	PHASE1	1ST	6120524		6.58	ALBS
382648	3733059	5.59572	0	0	0	24-HR	PHASE1	1ST	6120624		5.60	ALBS
382613.2	3733046.2	5.85862	0	0	0	24-HR	PHASE1	1ST	6120624		5.86	ALBS
382583	3733019.9	4.51526	1.81	1.81	0	24-HR	PHASE1	1ST	6120624		4.52	ALBS
382553.7	3733037.9	3.67861	3.46	3.46	0	24-HR	PHASE1	1ST	6120624		3.68	ALBS
382536.1	3733073.2	4.17815	3.18	3.18	0	24-HR	PHASE1	1ST	6120724		4.18	ALBS
382501.4	3733099.5	5.20337	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		5.20	ALBS
382483.4	3733121.6	5.44335	3.21	3.21	0	24-HR	PHASE1	1ST	7011124		5.44	ALBS
382470.2	3733141	8.17791	3.16	3.16	0	24-HR	PHASE1	1ST	6120924		8.18	ALBS
382460.6	3733178	12.50632	3.66	3.66	0	24-HR	PHASE1	1ST	6120924		12.51	ALBS
382458	3733211	12.87051	4.16	4.16	0	24-HR	PHASE1	1ST	6110924		12.87	ALBS
382456.3	3733238.4	10.16467	4.61	4.61	0	24-HR	PHASE1	1ST	7020724		10.16	ALBS
382454.7	3733265.8	10.08185	5.12	5.12	0	24-HR	PHASE1	1ST	6121524		10.08	ALBS
382489.9	3733291.5	13.64246	4.49	4.49	0	24-HR	PHASE1	1ST	6121524		13.64	ALBS
382518.4	3733301.2	17.24654	2.67	2.67	0	24-HR	PHASE1	1ST	6121524	NA		Overwater
382683.7	3733072.5	6.58457	0	0	0	24-HR	PHASE1	1ST	6120524	NA		Overwater
382648	3733059	5.59572	0	0	0	24-HR	PHASE1	1ST	6120624	NA		Overwater
380000	3730500	0.08298	43.34	94.94	0	24-HR	PHASE1	1ST	7040124	NA		Overwater
380500	3730500	0.07106	44.54	94.94	0	24-HR	PHASE1	1ST	7020824	NA		Overwater
381000	3730500	0.07078	5.88	94.4	0	24-HR	PHASE1	1ST	7031324	NA		Overwater
380000	3731000	0.1058	78.71	87.19	0	24-HR	PHASE1	1ST	6100724	NA		Fenceline
380500	3731000	0.10956	29.84	94.94	0	24-HR	PHASE1	1ST	7040124	NA		Fenceline
381000	3731000	0.09054	5.69	94.94	0	24-HR	PHASE1	1ST	6120924		0.09	ALBS
382000	3731000	0.10797	1.95	1.95	0	24-HR	PHASE1	1ST	7072624	NA		Fenceline
380000	3731500	0.15273	71.77	71.77	0	24-HR	PHASE1	1ST	6120924	NA		Fenceline
380500	3731500	0.20958	29.47	82.52	0	24-HR	PHASE1	1ST	6100724	NA		Fenceline
381000	3731500	0.14655	17.59	17.59	0	24-HR	PHASE1	1ST	7040124	NA		Fenceline
381500	3731500	0.12636	0	0	0	24-HR	PHASE1	1ST	7031324	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact		Type
382000	3731500	0.17779	3.51	3.51		0	24-HR	PHASE1	1ST	7011124	NA		Fenceline
383500	3731500	0.34563	0	0		0	24-HR	PHASE1	1ST	6112524	NA		Fenceline
384000	3731500	0.32619	0	0		0	24-HR	PHASE1	1ST	7022124	NA		Fenceline
380000	3732000	0.11155	73.87	73.87		0	24-HR	PHASE1	1ST	7082924	NA		Fenceline
380500	3732000	0.24717	27.22	77.81		0	24-HR	PHASE1	1ST	6120924		0.25	ALBS
381000	3732000	0.3208	16.13	16.13		0	24-HR	PHASE1	1ST	6100724	NA		Fenceline
381500	3732000	0.20276	0	0		0	24-HR	PHASE1	1ST	7040124	NA		Fenceline
382000	3732000	0.31536	0.55	0.55		0	24-HR	PHASE1	1ST	7011124	NA		Overwater
383500	3732000	0.48499	0	0		0	24-HR	PHASE1	1ST	6120524	NA		Overwater
384000	3732000	0.39869	0	0		0	24-HR	PHASE1	1ST	7013124	NA		Overwater
380000	3732500	0.13432	38.04	71.03		0	24-HR	PHASE1	1ST	7083124	NA		Overwater
380500	3732500	0.16747	24.78	24.78		0	24-HR	PHASE1	1ST	6110924	NA		Overwater
381000	3732500	0.24512	19.77	19.77		0	24-HR	PHASE1	1ST	7082924	NA		Overwater
381500	3732500	0.44894	5.02	5.02		0	24-HR	PHASE1	1ST	6120924	NA		Overwater
382000	3732500	0.3987	3.99	3.99		0	24-HR	PHASE1	1ST	7042224	NA		Overwater
382500	3732500	0.54129	3.77	3.77		0	24-HR	PHASE1	1ST	6120724	NA		Overwater
383500	3732500	0.73067	0	0		0	24-HR	PHASE1	1ST	7013124	NA		Overwater
384000	3732500	0.42833	0	0		0	24-HR	PHASE1	1ST	6101124	NA		Overwater
384500	3732500	0.33117	0	0		0	24-HR	PHASE1	1ST	6103124	NA		FENCEINT
385000	3732500	0.16034	0	0		0	24-HR	PHASE1	1ST	6103124	NA		FENCEINT
380000	3733000	0.12369	41.49	41.49		0	24-HR	PHASE1	1ST	7062724	NA		FENCEINT
380500	3733000	0.19095	29.88	29.88		0	24-HR	PHASE1	1ST	7041024	NA		FENCEINT
381000	3733000	0.26594	22.72	22.72		0	24-HR	PHASE1	1ST	7041024	NA		FENCEINT
381500	3733000	0.41268	9.54	19.88		0	24-HR	PHASE1	1ST	7082824	NA		FENCEINT
382500	3733000	2.54859	3.3	3.3		0	24-HR	PHASE1	1ST	7011124	NA		FENCEINT
385000	3733000	0.15209	0	0		0	24-HR	PHASE1	1ST	6101024	NA		Overwater
380000	3733500	0.12098	44.62	44.62		0	24-HR	PHASE1	1ST	6101324			
380500	3733500	0.15059	31.94	31.94		0	24-HR	PHASE1	1ST	6101324			
381000	3733500	0.22765	21.59	21.59		0	24-HR	PHASE1	1ST	6100924			
381500	3733500	0.42227	11.3	15		0	24-HR	PHASE1	1ST	6121524			
382500	3733500	2.01005	0	0		0	24-HR	PHASE1	1ST	6102324			
383000	3733500	0.97805	3.52	3.52		0	24-HR	PHASE1	1ST	7030624			
385000	3733500	0.17245	0	0		0	24-HR	PHASE1	1ST	6092724			
380000	3734000	0.1509	51.87	51.87		0	24-HR	PHASE1	1ST	6121524			
380500	3734000	0.27449	24.85	24.85		0	24-HR	PHASE1	1ST	6121524			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3734000	0.27654	22.4	25.46		0	24-HR	PHASE1	1ST	6121524		
381500	3734000	0.29195	6.51	6.51		0	24-HR	PHASE1	1ST	7031024		
382500	3734000	0.43048	2.1	2.1		0	24-HR	PHASE1	1ST	6102224		
383000	3734000	0.4578	3.12	3.12		0	24-HR	PHASE1	1ST	7050224		
385500	3734000	0.07859	4.35	4.35		0	24-HR	PHASE1	1ST	7020624		
386000	3734000	0.0554	4.26	4.26		0	24-HR	PHASE1	1ST	6092724		
386500	3734000	0.05846	0	4.73		0	24-HR	PHASE1	1ST	6092724		
389500	3734000	0.03335	0.36	5.34		0	24-HR	PHASE1	1ST	6092724		
390000	3734000	0.02931	5.65	5.65		0	24-HR	PHASE1	1ST	6092724		
380000	3734500	0.0853	52.15	373.72		0	24-HR	PHASE1	1ST	7012724		
380500	3734500	0.12437	38.93	38.93		0	24-HR	PHASE1	1ST	6111924		
381000	3734500	0.15544	25.57	25.57		0	24-HR	PHASE1	1ST	7031024		
381500	3734500	0.13396	6.99	22.38		0	24-HR	PHASE1	1ST	7070524		
382500	3734500	0.24032	4.33	4.33		0	24-HR	PHASE1	1ST	6102224		
383000	3734500	0.30229	5.88	5.88		0	24-HR	PHASE1	1ST	7021224		
383500	3734500	0.15665	6.89	6.89		0	24-HR	PHASE1	1ST	7011924		
387500	3734500	0.03754	1.6	4.97		0	24-HR	PHASE1	1ST	7020624		
388500	3734500	0.02486	5.3	5.3		0	24-HR	PHASE1	1ST	6092724		
389000	3734500	0.02666	5.32	5.32		0	24-HR	PHASE1	1ST	6092724		
389500	3734500	0.02745	5.18	5.18		0	24-HR	PHASE1	1ST	6092724		
380000	3735000	0.09805	45.14	373.72		0	24-HR	PHASE1	1ST	6111924		
380500	3735000	0.10106	35.32	35.32		0	24-HR	PHASE1	1ST	6090524		
381000	3735000	0.07897	7.52	34.18		0	24-HR	PHASE1	1ST	7070524		
381500	3735000	0.11094	4.67	4.67		0	24-HR	PHASE1	1ST	6091324		
382000	3735000	0.11895	3.19	3.19		0	24-HR	PHASE1	1ST	7030724		
383000	3735000	0.21222	4.88	4.88		0	24-HR	PHASE1	1ST	6121624		
383500	3735000	0.14245	3.69	3.69		0	24-HR	PHASE1	1ST	7050224		
384000	3735000	0.09838	3.03	3.03		0	24-HR	PHASE1	1ST	7082624		
384500	3735000	0.04664	0	0		0	24-HR	PHASE1	1ST	7082624		
388000	3735000	0.03238	3.94	3.94		0	24-HR	PHASE1	1ST	7020624		
388500	3735000	0.03121	4.98	4.98		0	24-HR	PHASE1	1ST	7020624		
389000	3735000	0.02762	5.06	5.06		0	24-HR	PHASE1	1ST	7020624		
389500	3735000	0.02312	4.31	4.31		0	24-HR	PHASE1	1ST	7020624		
390000	3735000	0.01872	4.38	4.38		0	24-HR	PHASE1	1ST	7020724		
380000	3735500	0.06818	30.5	373.72		0	24-HR	PHASE1	1ST	6090524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380500	3735500	0.05021	3.67	33.03		0	24-HR	PHASE1	1ST	7070524		
381000	3735500	0.07003	0	0		0	24-HR	PHASE1	1ST	7021824		
382500	3735500	0.11452	0	0		0	24-HR	PHASE1	1ST	6102224		
383500	3735500	0.12722	2.61	2.61		0	24-HR	PHASE1	1ST	7042724		
384000	3735500	0.07529	2.28	2.28		0	24-HR	PHASE1	1ST	7060224		
384500	3735500	0.06947	3.39	3.39		0	24-HR	PHASE1	1ST	7082624		
385000	3735500	0.03427	3.66	3.66		0	24-HR	PHASE1	1ST	7082624		
385500	3735500	0.03732	2.3	2.3		0	24-HR	PHASE1	1ST	7022524		
386000	3735500	0.03482	2.31	2.31		0	24-HR	PHASE1	1ST	7011924		
387000	3735500	0.0432	6.53	6.53		0	24-HR	PHASE1	1ST	7030624		
388500	3735500	0.01959	3.87	3.87		0	24-HR	PHASE1	1ST	6101724		
389000	3735500	0.02041	5.03	5.03		0	24-HR	PHASE1	1ST	7020624		
380000	3736000	0.04013	12.29	373.72		0	24-HR	PHASE1	1ST	7070524		
380500	3736000	0.06147	16.9	21.04		0	24-HR	PHASE1	1ST	7021824		
381000	3736000	0.07719	16.9	43.94		0	24-HR	PHASE1	1ST	6091324		
381500	3736000	0.07632	7.73	21.95		0	24-HR	PHASE1	1ST	6102324		
382500	3736000	0.08815	3.06	3.06		0	24-HR	PHASE1	1ST	6102224		
383000	3736000	0.12185	2.67	2.67		0	24-HR	PHASE1	1ST	6121624		
384000	3736000	0.07715	2.27	2.27		0	24-HR	PHASE1	1ST	6092124		
384500	3736000	0.0457	2.32	2.32		0	24-HR	PHASE1	1ST	7011924		
385000	3736000	0.05162	2.3	2.3		0	24-HR	PHASE1	1ST	7082624		
385500	3736000	0.02643	-0.55	-0.55		0	24-HR	PHASE1	1ST	7082624		
386000	3736000	0.02632	-0.58	-0.58		0	24-HR	PHASE1	1ST	7022524		
386500	3736000	0.02796	-1.1	3.82		0	24-HR	PHASE1	1ST	7022524		
387000	3736000	0.02622	5.34	5.34		0	24-HR	PHASE1	1ST	7011924		
387500	3736000	0.02819	3.86	3.86		0	24-HR	PHASE1	1ST	7030624		
388000	3736000	0.03172	5.09	5.09		0	24-HR	PHASE1	1ST	7030624		
388500	3736000	0.02801	2.79	2.79		0	24-HR	PHASE1	1ST	7030624		
389500	3736000	0.01485	1.3	1.3		0	24-HR	PHASE1	1ST	6111424		
390000	3736000	0.01466	0.04	0.04		0	24-HR	PHASE1	1ST	6101724		
380000	3736500	0.04317	15.44	15.44		0	24-HR	PHASE1	1ST	7070524		
380500	3736500	0.04989	12.59	43.42		0	24-HR	PHASE1	1ST	7081924		
381000	3736500	0.06964	29.2	30.72		0	24-HR	PHASE1	1ST	6102324		
381500	3736500	0.06009	15.82	15.82		0	24-HR	PHASE1	1ST	7030724		
382500	3736500	0.07063	3.68	3.68		0	24-HR	PHASE1	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3736500	0.09187	3.19	3.19		0	24-HR	PHASE1	1ST	6121624		
383500	3736500	0.07014	3	3		0	24-HR	PHASE1	1ST	6121624		
385000	3736500	0.03618	0.21	0.21		0	24-HR	PHASE1	1ST	7011924		
385500	3736500	0.03993	-1.36	-1.36		0	24-HR	PHASE1	1ST	7082624		
386000	3736500	0.02113	-3.5	-3.5		0	24-HR	PHASE1	1ST	7082624		
386500	3736500	0.01915	-4.71	-4.71		0	24-HR	PHASE1	1ST	7022524		
387000	3736500	0.02263	0	0		0	24-HR	PHASE1	1ST	7022524		
387500	3736500	0.02026	4.22	4.22		0	24-HR	PHASE1	1ST	7022524		
388000	3736500	0.02027	5.29	5.29		0	24-HR	PHASE1	1ST	7011924		
389000	3736500	0.02592	6.29	6.29		0	24-HR	PHASE1	1ST	7030624		
389500	3736500	0.02283	4.51	4.51		0	24-HR	PHASE1	1ST	7030624		
390000	3736500	0.01781	3.76	3.76		0	24-HR	PHASE1	1ST	7030624		
380000	3737000	0.04473	27.15	48.84		0	24-HR	PHASE1	1ST	7021824		
380500	3737000	0.05678	32.25	39.5		0	24-HR	PHASE1	1ST	6091324		
381000	3737000	0.06506	33.33	33.33		0	24-HR	PHASE1	1ST	6102324		
381500	3737000	0.03667	4.62	13.99		0	24-HR	PHASE1	1ST	7040724		
382000	3737000	0.03426	3.6	3.6		0	24-HR	PHASE1	1ST	7071224		
382500	3737000	0.05846	4	4		0	24-HR	PHASE1	1ST	6102224		
383000	3737000	0.07031	3.8	3.8		0	24-HR	PHASE1	1ST	6121624		
383500	3737000	0.06744	3.43	3.43		0	24-HR	PHASE1	1ST	6121624		
384000	3737000	0.0635	2.81	2.81		0	24-HR	PHASE1	1ST	7042724		
384500	3737000	0.05059	0	0		0	24-HR	PHASE1	1ST	6092124		
385000	3737000	0.03178	-0.32	-0.32		0	24-HR	PHASE1	1ST	7060224		
385500	3737000	0.03225	0	0		0	24-HR	PHASE1	1ST	7082624		
387500	3737000	0.01815	3.2	3.2		0	24-HR	PHASE1	1ST	7022524		
388000	3737000	0.01808	5.15	5.15		0	24-HR	PHASE1	1ST	7022524		
389000	3737000	0.0171	7.39	7.39		0	24-HR	PHASE1	1ST	7011924		
389500	3737000	0.01968	9.04	9.04		0	24-HR	PHASE1	1ST	7030624		
390000	3737000	0.02244	10.53	10.53		0	24-HR	PHASE1	1ST	7030624		
380000	3737500	0.04137	18.28	69.94		0	24-HR	PHASE1	1ST	6091324		
380500	3737500	0.04729	41.6	41.6		0	24-HR	PHASE1	1ST	6102324		
381000	3737500	0.04869	27.72	30.56		0	24-HR	PHASE1	1ST	7011024		
381500	3737500	0.03103	7.86	7.86		0	24-HR	PHASE1	1ST	7040724		
382000	3737500	0.02931	5.82	5.82		0	24-HR	PHASE1	1ST	7071224		
382500	3737500	0.04944	5.02	5.02		0	24-HR	PHASE1	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3737500	0.05457	4.46	4.46		0	24-HR	PHASE1	1ST	6121624		
383500	3737500	0.06232	4.11	4.11		0	24-HR	PHASE1	1ST	6121624		
384000	3737500	0.04636	2.41	2.41		0	24-HR	PHASE1	1ST	7021224		
385000	3737500	0.03919	-0.53	-0.53		0	24-HR	PHASE1	1ST	7060224		
385500	3737500	0.02418	-0.52	-0.52		0	24-HR	PHASE1	1ST	7011924		
386000	3737500	0.0284	-0.35	2.9		0	24-HR	PHASE1	1ST	7082624		
386500	3737500	0.02606	-0.42	-0.42		0	24-HR	PHASE1	1ST	7082624		
387000	3737500	0.01464	0	0		0	24-HR	PHASE1	1ST	7082624		
387500	3737500	0.01061	2.3	2.3		0	24-HR	PHASE1	1ST	7022524		
388000	3737500	0.01456	2.3	2.3		0	24-HR	PHASE1	1ST	7022524		
389000	3737500	0.01495	7.29	7.29		0	24-HR	PHASE1	1ST	7022524		
389500	3737500	0.01639	10.22	10.22		0	24-HR	PHASE1	1ST	7011924		
390000	3737500	0.01482	11.13	11.13		0	24-HR	PHASE1	1ST	7011924		
380000	3738000	0.03242	8.3	54.22		0	24-HR	PHASE1	1ST	6091324		
380500	3738000	0.04646	22.71	51.38		0	24-HR	PHASE1	1ST	6102324		
381000	3738000	0.03384	11.77	11.77		0	24-HR	PHASE1	1ST	7030724		
381500	3738000	0.02747	11.75	11.75		0	24-HR	PHASE1	1ST	7081424		
382000	3738000	0.02496	8.85	8.85		0	24-HR	PHASE1	1ST	7071224		
382500	3738000	0.04433	7.05	7.05		0	24-HR	PHASE1	1ST	6102224		
383000	3738000	0.04526	5.59	5.59		0	24-HR	PHASE1	1ST	6091924		
383500	3738000	0.05605	4.74	4.74		0	24-HR	PHASE1	1ST	6121624		
384000	3738000	0.03982	3.76	3.76		0	24-HR	PHASE1	1ST	7021224		
384500	3738000	0.04647	2.99	2.99		0	24-HR	PHASE1	1ST	7042724		
385000	3738000	0.03663	2.3	2.3		0	24-HR	PHASE1	1ST	6092124		
385500	3738000	0.02765	2.49	2.49		0	24-HR	PHASE1	1ST	7060224		
386000	3738000	0.02136	2.01	2.01		0	24-HR	PHASE1	1ST	7011924		
386500	3738000	0.02503	-0.42	-0.42		0	24-HR	PHASE1	1ST	7082624		
387000	3738000	0.02168	1.04	1.04		0	24-HR	PHASE1	1ST	7082624		
387500	3738000	0.01256	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
388000	3738000	0.00825	3	3		0	24-HR	PHASE1	1ST	7022524		
389000	3738000	0.01505	9.61	9.61		0	24-HR	PHASE1	1ST	7022524		
389500	3738000	0.01528	11.44	11.44		0	24-HR	PHASE1	1ST	7022524		
390000	3738000	0.01414	11.91	11.91		0	24-HR	PHASE1	1ST	7011924		
380000	3738500	0.0329	20.48	20.48		0	24-HR	PHASE1	1ST	6102324		
380500	3738500	0.02957	2.74	2.74		0	24-HR	PHASE1	1ST	6102324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3738500	0.02377	4.42	4.42		0	24-HR	PHASE1	1ST	7040724		
381500	3738500	0.02486	11.47	11.47		0	24-HR	PHASE1	1ST	7071224		
382000	3738500	0.01924	6.91	6.91		0	24-HR	PHASE1	1ST	7071224		
382500	3738500	0.04093	10.09	10.09		0	24-HR	PHASE1	1ST	6102224		
383000	3738500	0.04228	8.61	8.61		0	24-HR	PHASE1	1ST	6091924		
383500	3738500	0.05419	7.41	7.41		0	24-HR	PHASE1	1ST	6121624		
384000	3738500	0.03529	5.99	5.99		0	24-HR	PHASE1	1ST	6121624		
384500	3738500	0.03831	4.8	4.8		0	24-HR	PHASE1	1ST	7042724		
385000	3738500	0.03187	4	4		0	24-HR	PHASE1	1ST	6110324		
385500	3738500	0.03005	2.69	2.69		0	24-HR	PHASE1	1ST	7050224		
386000	3738500	0.01926	2.91	2.91		0	24-HR	PHASE1	1ST	6091424		
386500	3738500	0.01857	1.96	1.96		0	24-HR	PHASE1	1ST	7011924		
387000	3738500	0.02206	4.4	4.4		0	24-HR	PHASE1	1ST	7082624		
387500	3738500	0.01846	2.3	2.3		0	24-HR	PHASE1	1ST	7082624		
388000	3738500	0.01095	2.31	2.31		0	24-HR	PHASE1	1ST	7082624		
389000	3738500	0.00924	4.26	4.26		0	24-HR	PHASE1	1ST	7022524		
389500	3738500	0.01281	11.29	11.29		0	24-HR	PHASE1	1ST	7022524		
390000	3738500	0.01398	12.35	12.35		0	24-HR	PHASE1	1ST	7022524		
380000	3739000	0.0323	12.37	12.37		0	24-HR	PHASE1	1ST	6102324		
380500	3739000	0.02624	9.37	13.25		0	24-HR	PHASE1	1ST	7030724		
381000	3739000	0.02347	10.44	10.44		0	24-HR	PHASE1	1ST	7040724		
381500	3739000	0.02352	12.57	12.57		0	24-HR	PHASE1	1ST	7071224		
382000	3739000	0.01587	7.3	7.3		0	24-HR	PHASE1	1ST	6102224		
382500	3739000	0.03713	12.03	12.03		0	24-HR	PHASE1	1ST	6102224		
383000	3739000	0.03968	12.24	12.24		0	24-HR	PHASE1	1ST	6091924		
383500	3739000	0.05202	10.37	10.37		0	24-HR	PHASE1	1ST	6121624		
384000	3739000	0.03564	9.05	9.05		0	24-HR	PHASE1	1ST	6121624		
384500	3739000	0.02976	7.63	7.63		0	24-HR	PHASE1	1ST	7021224		
385000	3739000	0.03663	6.93	6.93		0	24-HR	PHASE1	1ST	7042724		
385500	3739000	0.03073	6.85	6.85		0	24-HR	PHASE1	1ST	6092124		
386000	3739000	0.02353	3.82	3.82		0	24-HR	PHASE1	1ST	7060224		
386500	3739000	0.01554	3.52	3.52		0	24-HR	PHASE1	1ST	7011924		
387000	3739000	0.01669	2.6	2.6		0	24-HR	PHASE1	1ST	7082624		
387500	3739000	0.01944	2.6	2.6		0	24-HR	PHASE1	1ST	7082624		
388000	3739000	0.01577	3.21	3.21		0	24-HR	PHASE1	1ST	7082624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389000	3739000	0.00598	4.7	4.7		0	24-HR	PHASE1	1ST	6112724		
389500	3739000	0.00754	4.86	4.86		0	24-HR	PHASE1	1ST	7022524		
390000	3739000	0.01051	10.57	10.57		0	24-HR	PHASE1	1ST	7022524		
380000	3739500	0.02826	15.39	15.39		0	24-HR	PHASE1	1ST	6102324		
380500	3739500	0.02119	6.37	6.37		0	24-HR	PHASE1	1ST	7030724		
381000	3739500	0.01701	4.86	4.86		0	24-HR	PHASE1	1ST	7040724		
381500	3739500	0.01983	8.91	8.91		0	24-HR	PHASE1	1ST	7071224		
382000	3739500	0.01486	11.42	11.42		0	24-HR	PHASE1	1ST	6102224		
382500	3739500	0.03257	10.38	10.38		0	24-HR	PHASE1	1ST	6102224		
383000	3739500	0.03612	12.33	12.33		0	24-HR	PHASE1	1ST	6091924		
383500	3739500	0.04692	12.9	12.9		0	24-HR	PHASE1	1ST	6121624		
384000	3739500	0.03608	10.87	10.87		0	24-HR	PHASE1	1ST	6121624		
384500	3739500	0.02613	10.72	10.72		0	24-HR	PHASE1	1ST	7021224		
385000	3739500	0.03617	9.96	9.96		0	24-HR	PHASE1	1ST	7042724		
385500	3739500	0.02954	9.91	9.91		0	24-HR	PHASE1	1ST	6110324		
386000	3739500	0.02436	4	7.13		0	24-HR	PHASE1	1ST	7050224		
386500	3739500	0.01672	4.61	4.61		0	24-HR	PHASE1	1ST	7060224		
387000	3739500	0.01443	3.52	3.52		0	24-HR	PHASE1	1ST	7011924		
387500	3739500	0.01584	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
388000	3739500	0.01721	3.52	3.52		0	24-HR	PHASE1	1ST	7082624		
388500	3739500	0.01379	0.66	0.66		0	24-HR	PHASE1	1ST	7082624		
389000	3739500	0.00848	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
389500	3739500	0.00538	4.33	4.33		0	24-HR	PHASE1	1ST	6112724		
390000	3739500	0.00589	9.29	9.29		0	24-HR	PHASE1	1ST	7022524		
380000	3740000	0.02381	18.55	18.55		0	24-HR	PHASE1	1ST	7011024		
380500	3740000	0.02222	18.06	18.06		0	24-HR	PHASE1	1ST	7040724		
381000	3740000	0.01625	9.93	9.93		0	24-HR	PHASE1	1ST	7081424		
381500	3740000	0.01844	11.37	11.37		0	24-HR	PHASE1	1ST	7071224		
382000	3740000	0.01459	12.27	12.27		0	24-HR	PHASE1	1ST	6102224		
382500	3740000	0.0301	12.33	12.33		0	24-HR	PHASE1	1ST	6102224		
383000	3740000	0.03251	11.13	11.13		0	24-HR	PHASE1	1ST	6091924		
383500	3740000	0.03928	11.03	11.03		0	24-HR	PHASE1	1ST	6121624		
384000	3740000	0.03624	12.74	12.74		0	24-HR	PHASE1	1ST	6121624		
384500	3740000	0.02364	9.76	9.76		0	24-HR	PHASE1	1ST	7021224		
385000	3740000	0.02813	12.27	12.27		0	24-HR	PHASE1	1ST	7042724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
385500	3740000	0.02899	9.31	9.31		0	24-HR	PHASE1	1ST	7042724		
386000	3740000	0.0247	6.96	6.96		0	24-HR	PHASE1	1ST	6092124		
386500	3740000	0.02178	8.03	8.03		0	24-HR	PHASE1	1ST	7060224		
387000	3740000	0.01343	4.73	4.73		0	24-HR	PHASE1	1ST	6091424		
387500	3740000	0.01327	4.43	4.43		0	24-HR	PHASE1	1ST	7011924		
388000	3740000	0.01487	4.6	4.6		0	24-HR	PHASE1	1ST	7082624		
388500	3740000	0.01533	1.83	1.83		0	24-HR	PHASE1	1ST	7082624		
389000	3740000	0.01209	4.73	4.73		0	24-HR	PHASE1	1ST	7082624		
389500	3740000	0.0075	4.73	4.73		0	24-HR	PHASE1	1ST	7082624		
390000	3740000	0.00565	8.37	8.37		0	24-HR	PHASE1	1ST	6112724		
380000	3740500	0.02203	20.5	20.5		0	24-HR	PHASE1	1ST	7030724		
380500	3740500	0.01933	16	16		0	24-HR	PHASE1	1ST	7040724		
381000	3740500	0.01461	9.65	9.65		0	24-HR	PHASE1	1ST	7081424		
381500	3740500	0.01633	11.98	11.98		0	24-HR	PHASE1	1ST	7071224		
382000	3740500	0.01437	8.35	8.35		0	24-HR	PHASE1	1ST	6102224		
382500	3740500	0.02775	13.55	13.55		0	24-HR	PHASE1	1ST	6102224		
383000	3740500	0.03047	13.9	13.9		0	24-HR	PHASE1	1ST	6091924		
383500	3740500	0.03431	12.95	12.95		0	24-HR	PHASE1	1ST	6121624		
384000	3740500	0.03579	13.52	13.52		0	24-HR	PHASE1	1ST	6121624		
384500	3740500	0.02179	12.34	12.34		0	24-HR	PHASE1	1ST	7021224		
385000	3740500	0.02051	10.45	10.45		0	24-HR	PHASE1	1ST	7021224		
385500	3740500	0.03048	11.44	11.44		0	24-HR	PHASE1	1ST	7042724		
386000	3740500	0.02402	10	10		0	24-HR	PHASE1	1ST	6110324		
386500	3740500	0.0231	9.37	9.37		0	24-HR	PHASE1	1ST	7050224		
387000	3740500	0.01533	5.34	5.34		0	24-HR	PHASE1	1ST	7060224		
387500	3740500	0.01111	5.35	5.35		0	24-HR	PHASE1	1ST	6091424		
388000	3740500	0.01197	5.34	5.34		0	24-HR	PHASE1	1ST	7011924		
388500	3740500	0.01386	2.23	2.23		0	24-HR	PHASE1	1ST	7082624		
389000	3740500	0.01373	5.16	5.16		0	24-HR	PHASE1	1ST	7082624		
389500	3740500	0.01058	5.34	5.34		0	24-HR	PHASE1	1ST	7082624		
390000	3740500	0.00652	7.02	7.02		0	24-HR	PHASE1	1ST	7082624		
380250	3730750	0.07567	78.14	94.94		0	24-HR	PHASE1	1ST	7040124		
380750	3730750	0.08191	22.19	94.94		0	24-HR	PHASE1	1ST	6120924		
380250	3731250	0.15389	52.15	94.94		0	24-HR	PHASE1	1ST	6100724		
380750	3731250	0.12548	20.89	94.94		0	24-HR	PHASE1	1ST	7040124		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3731250	0.25327	0	0	0	24-HR	PHASE1	1ST	6112524			
384250	3731250	0.2819	0	0	0	24-HR	PHASE1	1ST	7022124			
380250	3731750	0.19213	67.12	74.61	0	24-HR	PHASE1	1ST	6120924			
380750	3731750	0.26189	21.72	74.03	0	24-HR	PHASE1	1ST	6100724			
381250	3731750	0.16202	4.66	16.27	0	24-HR	PHASE1	1ST	7040124			
381750	3731750	0.19019	0	0	0	24-HR	PHASE1	1ST	7011124			
382250	3731750	0.1915	3.75	3.75	0	24-HR	PHASE1	1ST	6120724			
383750	3731750	0.378	0	0	0	24-HR	PHASE1	1ST	7022124			
384250	3731750	0.31473	0	0	0	24-HR	PHASE1	1ST	7013124			
380250	3732250	0.17252	32	74.91	0	24-HR	PHASE1	1ST	6110924			
380750	3732250	0.21817	20.96	20.96	0	24-HR	PHASE1	1ST	6120924			
381250	3732250	0.33172	4.64	4.64	0	24-HR	PHASE1	1ST	6100724			
381750	3732250	0.27747	2.02	2.02	0	24-HR	PHASE1	1ST	7042224			
382750	3732250	0.8654	3.77	3.77	0	24-HR	PHASE1	1ST	6120624			
383750	3732250	0.52469	0	0	0	24-HR	PHASE1	1ST	7013124			
384250	3732250	0.3228	0	0	0	24-HR	PHASE1	1ST	6101124			
384750	3732250	0.24106	0	0	0	24-HR	PHASE1	1ST	6103124			
380250	3732750	0.15555	30.48	30.48	0	24-HR	PHASE1	1ST	6110324			
380750	3732750	0.21644	24.07	24.07	0	24-HR	PHASE1	1ST	7083124			
381250	3732750	0.3452	18.04	18.04	0	24-HR	PHASE1	1ST	6110924			
381750	3732750	0.70754	1.44	1.44	0	24-HR	PHASE1	1ST	6120924			
384250	3732750	0.27249	0	0	0	24-HR	PHASE1	1ST	6103124			
384750	3732750	0.17574	0	0	0	24-HR	PHASE1	1ST	7020124			
385250	3732750	0.12007	0	0	0	24-HR	PHASE1	1ST	6101024			
380250	3733250	0.24358	37.3	37.3	0	24-HR	PHASE1	1ST	7020724			
380750	3733250	0.35202	26.06	26.06	0	24-HR	PHASE1	1ST	7020724			
381250	3733250	0.54457	23.5	23.5	0	24-HR	PHASE1	1ST	7020724			
382250	3733250	3.04192	1.84	1.84	0	24-HR	PHASE1	1ST	7020724			
382750	3733250	9.36854	0.95	0.95	0	24-HR	PHASE1	1ST	7020124			
380250	3733750	0.13093	32.62	32.62	0	24-HR	PHASE1	1ST	6100924			
380750	3733750	0.24128	28.98	28.98	0	24-HR	PHASE1	1ST	6121524			
381250	3733750	0.48209	12.11	12.11	0	24-HR	PHASE1	1ST	6121524			
382250	3733750	0.61265	2.8	2.8	0	24-HR	PHASE1	1ST	7032324			
382750	3733750	1.12938	2.5	2.5	0	24-HR	PHASE1	1ST	7021224			
388750	3733750	0.0384	4.54	4.54	0	24-HR	PHASE1	1ST	6092724			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3733750	0.03339	5.34	5.34		0	24-HR	PHASE1	1ST	6092724		
389750	3733750	0.02936	4.33	4.33		0	24-HR	PHASE1	1ST	6092724		
380250	3734250	0.16763	45.4	45.4		0	24-HR	PHASE1	1ST	6121524		
380750	3734250	0.14709	27.65	27.65		0	24-HR	PHASE1	1ST	6121524		
381250	3734250	0.21937	15.29	15.29		0	24-HR	PHASE1	1ST	7031024		
381750	3734250	0.18089	3.06	3.06		0	24-HR	PHASE1	1ST	7021824		
382250	3734250	0.26505	2.56	2.56		0	24-HR	PHASE1	1ST	6102324		
382750	3734250	0.51834	2.75	2.75		0	24-HR	PHASE1	1ST	6121624		
383250	3734250	0.20951	2.59	2.59		0	24-HR	PHASE1	1ST	6101624		
384750	3734250	0.11121	0	0		0	24-HR	PHASE1	1ST	7030624		
386750	3734250	0.04408	4.89	4.89		0	24-HR	PHASE1	1ST	7020624		
387250	3734250	0.0352	0.82	5.37		0	24-HR	PHASE1	1ST	6092724		
388750	3734250	0.03678	3.31	3.31		0	24-HR	PHASE1	1ST	6092724		
389750	3734250	0.03206	5.41	5.41		0	24-HR	PHASE1	1ST	6092724		
380250	3734750	0.11807	38.97	38.97		0	24-HR	PHASE1	1ST	6111924		
380750	3734750	0.12173	26.84	30.68		0	24-HR	PHASE1	1ST	6090524		
381250	3734750	0.11377	14.59	26.52		0	24-HR	PHASE1	1ST	7070524		
381750	3734750	0.14446	2.96	2.96		0	24-HR	PHASE1	1ST	6091324		
382750	3734750	0.2712	4.12	4.12		0	24-HR	PHASE1	1ST	6121624		
383250	3734750	0.21308	6.97	6.97		0	24-HR	PHASE1	1ST	7042724		
383750	3734750	0.11955	3.95	3.95		0	24-HR	PHASE1	1ST	7082624		
384750	3734750	0.06307	3.71	3.71		0	24-HR	PHASE1	1ST	7022524		
387750	3734750	0.0377	5.34	5.34		0	24-HR	PHASE1	1ST	7020624		
388750	3734750	0.02554	5.06	5.06		0	24-HR	PHASE1	1ST	7020624		
389250	3734750	0.02078	5.13	5.13		0	24-HR	PHASE1	1ST	7020724		
389750	3734750	0.01873	4.9	4.9		0	24-HR	PHASE1	1ST	6092724		
380250	3735250	0.07819	12.04	373.72		0	24-HR	PHASE1	1ST	7031024		
380750	3735250	0.0608	3.97	35.87		0	24-HR	PHASE1	1ST	7070524		
381250	3735250	0.08075	4.49	4.49		0	24-HR	PHASE1	1ST	6091324		
381750	3735250	0.11932	3.43	3.43		0	24-HR	PHASE1	1ST	6102324		
383250	3735250	0.14088	3.44	3.44		0	24-HR	PHASE1	1ST	7021224		
383750	3735250	0.10668	2.36	2.36		0	24-HR	PHASE1	1ST	7060224		
384250	3735250	0.08215	3.04	3.04		0	24-HR	PHASE1	1ST	7082624		
384750	3735250	0.0397	3.81	3.81		0	24-HR	PHASE1	1ST	7082624		
385250	3735250	0.04438	3.34	3.34		0	24-HR	PHASE1	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388250	3735250	0.0242	3.26	3.26		0	24-HR	PHASE1	1ST	7020624		
388750	3735250	0.02721	6.45	6.45		0	24-HR	PHASE1	1ST	7020624		
389250	3735250	0.02628	4.87	4.87		0	24-HR	PHASE1	1ST	7020624		
389750	3735250	0.02408	0	0		0	24-HR	PHASE1	1ST	7020624		
380250	3735750	0.04231	5.23	373.72		0	24-HR	PHASE1	1ST	7070524		
380750	3735750	0.06001	4.82	43.94		0	24-HR	PHASE1	1ST	7021824		
381250	3735750	0.07086	3.97	3.97		0	24-HR	PHASE1	1ST	6091324		
382250	3735750	0.05772	3.19	3.19		0	24-HR	PHASE1	1ST	7071224		
382750	3735750	0.11505	2.94	2.94		0	24-HR	PHASE1	1ST	6091924		
383750	3735750	0.08779	2.58	2.58		0	24-HR	PHASE1	1ST	6110324		
384250	3735750	0.05385	2.39	2.39		0	24-HR	PHASE1	1ST	6101624		
384750	3735750	0.0595	2.29	2.29		0	24-HR	PHASE1	1ST	7082624		
385250	3735750	0.02995	2.3	2.3		0	24-HR	PHASE1	1ST	7082624		
385750	3735750	0.03124	2.3	2.3		0	24-HR	PHASE1	1ST	7022524		
386250	3735750	0.03082	-0.1	-0.1		0	24-HR	PHASE1	1ST	7022524		
386750	3735750	0.02902	5.34	5.34		0	24-HR	PHASE1	1ST	7011924		
387750	3735750	0.03464	3.82	3.82		0	24-HR	PHASE1	1ST	7030624		
388250	3735750	0.02717	2.21	5.34		0	24-HR	PHASE1	1ST	7030624		
388750	3735750	0.01804	2.31	2.31		0	24-HR	PHASE1	1ST	7030624		
380250	3736250	0.04497	7.03	7.03		0	24-HR	PHASE1	1ST	7021824		
380750	3736250	0.07202	42.32	42.32		0	24-HR	PHASE1	1ST	6091324		
381250	3736250	0.08676	24.37	24.37		0	24-HR	PHASE1	1ST	6102324		
381750	3736250	0.04883	3.2	3.2		0	24-HR	PHASE1	1ST	7040724		
382250	3736250	0.04586	2.92	2.92		0	24-HR	PHASE1	1ST	6102224		
382750	3736250	0.09057	0	0		0	24-HR	PHASE1	1ST	6091924		
383250	3736250	0.10108	2.89	2.89		0	24-HR	PHASE1	1ST	6121624		
384250	3736250	0.06467	2.39	2.39		0	24-HR	PHASE1	1ST	7050224		
384750	3736250	0.04079	2.29	2.29		0	24-HR	PHASE1	1ST	7011924		
385250	3736250	0.04521	0.12	0.12		0	24-HR	PHASE1	1ST	7082624		
385750	3736250	0.02354	-2.04	-2.04		0	24-HR	PHASE1	1ST	7082624		
386250	3736250	0.02232	-3.42	-3.42		0	24-HR	PHASE1	1ST	7022524		
386750	3736250	0.02525	4.76	4.76		0	24-HR	PHASE1	1ST	7022524		
387250	3736250	0.02328	3.77	3.77		0	24-HR	PHASE1	1ST	7011924		
387750	3736250	0.02158	4.27	4.27		0	24-HR	PHASE1	1ST	7030624		
388250	3736250	0.0274	4.03	4.03		0	24-HR	PHASE1	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3736250	0.02257	2.61	2.61		0	24-HR	PHASE1	1ST	7030624		
389750	3736250	0.0162	1.83	1.83		0	24-HR	PHASE1	1ST	7030624		
380250	3736750	0.0405	9.28	42.6		0	24-HR	PHASE1	1ST	7081924		
380750	3736750	0.05747	36.63	36.63		0	24-HR	PHASE1	1ST	7032024		
381250	3736750	0.06106	23.32	23.32		0	24-HR	PHASE1	1ST	7011024		
382750	3736750	0.07334	3.5	3.5		0	24-HR	PHASE1	1ST	6091924		
383250	3736750	0.08664	0.71	0.71		0	24-HR	PHASE1	1ST	6121624		
383750	3736750	0.06174	3.2	3.2		0	24-HR	PHASE1	1ST	7021224		
384750	3736750	0.04186	0.55	0.55		0	24-HR	PHASE1	1ST	7060224		
386250	3736750	0.01911	-3.88	-3.88		0	24-HR	PHASE1	1ST	7082624		
386750	3736750	0.01633	-0.85	2.3		0	24-HR	PHASE1	1ST	7022524		
387250	3736750	0.02028	2.83	2.83		0	24-HR	PHASE1	1ST	7022524		
387750	3736750	0.02026	6.36	6.36		0	24-HR	PHASE1	1ST	7022524		
388250	3736750	0.01976	6.47	16.61		0	24-HR	PHASE1	1ST	7011924		
388750	3736750	0.0182	3.23	3.23		0	24-HR	PHASE1	1ST	7030624		
389250	3736750	0.02231	3.25	6.42		0	24-HR	PHASE1	1ST	7030624		
389750	3736750	0.02365	8.65	8.65		0	24-HR	PHASE1	1ST	7030624		
380250	3737250	0.0446	13.05	55.06		0	24-HR	PHASE1	1ST	6091324		
380750	3737250	0.0607	38.12	38.12		0	24-HR	PHASE1	1ST	6102324		
381250	3737250	0.04335	12.41	12.41		0	24-HR	PHASE1	1ST	7030724		
381750	3737250	0.03043	3.92	3.92		0	24-HR	PHASE1	1ST	7071224		
382250	3737250	0.03732	4.11	4.11		0	24-HR	PHASE1	1ST	6102224		
382750	3737250	0.06072	4.11	4.11		0	24-HR	PHASE1	1ST	6091924		
383250	3737250	0.07264	3.8	3.8		0	24-HR	PHASE1	1ST	6121624		
383750	3737250	0.0515	2.64	2.64		0	24-HR	PHASE1	1ST	7021224		
384250	3737250	0.05729	1.54	1.54		0	24-HR	PHASE1	1ST	7042724		
384750	3737250	0.04491	-0.56	-0.56		0	24-HR	PHASE1	1ST	7050224		
385250	3737250	0.02696	1.34	4.35		0	24-HR	PHASE1	1ST	6091424		
385750	3737250	0.03031	-0.61	-0.61		0	24-HR	PHASE1	1ST	7082624		
386250	3737250	0.02871	-0.17	-0.17		0	24-HR	PHASE1	1ST	7082624		
387250	3737250	0.01222	-0.26	-0.26		0	24-HR	PHASE1	1ST	7022524		
388250	3737250	0.01685	3.53	3.53		0	24-HR	PHASE1	1ST	7022524		
388750	3737250	0.0155	5.3	5.3		0	24-HR	PHASE1	1ST	7011924		
389250	3737250	0.01702	8.7	8.7		0	24-HR	PHASE1	1ST	7011924		
389750	3737250	0.01623	10.22	10.22		0	24-HR	PHASE1	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380250	3737750	0.0371	21.44	51.38		0	24-HR	PHASE1	1ST	7032024		
380750	3737750	0.04756	33.52	33.52		0	24-HR	PHASE1	1ST	6102324		
381250	3737750	0.03313	9.47	9.47		0	24-HR	PHASE1	1ST	7040724		
381750	3737750	0.03061	8.54	8.54		0	24-HR	PHASE1	1ST	7071224		
382250	3737750	0.03387	6.34	6.34		0	24-HR	PHASE1	1ST	6102224		
382750	3737750	0.05243	5.63	5.63		0	24-HR	PHASE1	1ST	6091924		
383250	3737750	0.0604	4.72	4.72		0	24-HR	PHASE1	1ST	6121624		
383750	3737750	0.04783	4.12	4.12		0	24-HR	PHASE1	1ST	6121624		
384250	3737750	0.04849	2.6	2.6		0	24-HR	PHASE1	1ST	7042724		
385250	3737750	0.03353	0.24	0.24		0	24-HR	PHASE1	1ST	7060224		
385750	3737750	0.0228	0	0		0	24-HR	PHASE1	1ST	7011924		
386250	3737750	0.02674	-0.19	-0.19		0	24-HR	PHASE1	1ST	7082624		
386750	3737750	0.02383	0.3	0.3		0	24-HR	PHASE1	1ST	7082624		
387250	3737750	0.01353	3.76	3.76		0	24-HR	PHASE1	1ST	7082624		
388250	3737750	0.01285	2.22	2.22		0	24-HR	PHASE1	1ST	7022524		
388750	3737750	0.0145	5.25	10.59		0	24-HR	PHASE1	1ST	7022524		
389250	3737750	0.01547	10.03	10.03		0	24-HR	PHASE1	1ST	7022524		
389750	3737750	0.01539	11.44	11.44		0	24-HR	PHASE1	1ST	7011924		
380250	3738250	0.03617	9.09	9.09		0	24-HR	PHASE1	1ST	6102324		
380750	3738250	0.03316	12.49	12.49		0	24-HR	PHASE1	1ST	7030724		
381250	3738250	0.02536	5.83	5.83		0	24-HR	PHASE1	1ST	7040724		
381750	3738250	0.02841	11.99	11.99		0	24-HR	PHASE1	1ST	7071224		
382250	3738250	0.03145	9.61	9.61		0	24-HR	PHASE1	1ST	6102224		
382750	3738250	0.04556	8.06	8.06		0	24-HR	PHASE1	1ST	6091924		
383250	3738250	0.05398	6.56	6.56		0	24-HR	PHASE1	1ST	6121624		
383750	3738250	0.04606	3.83	3.83		0	24-HR	PHASE1	1ST	6121624		
384250	3738250	0.03631	3.83	3.83		0	24-HR	PHASE1	1ST	7021224		
384750	3738250	0.03955	3.23	3.23		0	24-HR	PHASE1	1ST	7042724		
385250	3738250	0.03361	2.58	2.58		0	24-HR	PHASE1	1ST	7050224		
385750	3738250	0.02228	2.3	2.3		0	24-HR	PHASE1	1ST	7060224		
386250	3738250	0.01996	2.32	2.32		0	24-HR	PHASE1	1ST	7011924		
386750	3738250	0.02341	0	0		0	24-HR	PHASE1	1ST	7082624		
387250	3738250	0.0199	1.69	1.69		0	24-HR	PHASE1	1ST	7082624		
387750	3738250	0.01171	1.99	1.99		0	24-HR	PHASE1	1ST	7082624		
388250	3738250	0.00724	4.28	4.28		0	24-HR	PHASE1	1ST	6101524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388750	3738250	0.01052	4.29	4.29		0	24-HR	PHASE1	1ST	7022524		
389250	3738250	0.01374	9.61	9.61		0	24-HR	PHASE1	1ST	7022524		
389750	3738250	0.01488	12.84	12.84		0	24-HR	PHASE1	1ST	7022524		
380250	3738750	0.0301	2.58	2.58		0	24-HR	PHASE1	1ST	6102324		
380750	3738750	0.02731	11.09	11.09		0	24-HR	PHASE1	1ST	7030724		
381250	3738750	0.02122	9.72	9.72		0	24-HR	PHASE1	1ST	7081424		
381750	3738750	0.02153	6.82	6.82		0	24-HR	PHASE1	1ST	7071224		
382250	3738750	0.0287	9.06	9.06		0	24-HR	PHASE1	1ST	6102224		
382750	3738750	0.04136	11.18	11.18		0	24-HR	PHASE1	1ST	6091924		
383250	3738750	0.04763	9.28	9.28		0	24-HR	PHASE1	1ST	6121624		
383750	3738750	0.04752	8.47	8.47		0	24-HR	PHASE1	1ST	6121624		
384250	3738750	0.03236	7.06	7.06		0	24-HR	PHASE1	1ST	7021224		
384750	3738750	0.03827	5.46	5.46		0	24-HR	PHASE1	1ST	7042724		
385250	3738750	0.02965	5.47	5.47		0	24-HR	PHASE1	1ST	6092124		
385750	3738750	0.02697	3.81	3.81		0	24-HR	PHASE1	1ST	7060224		
386250	3738750	0.01723	3.42	3.42		0	24-HR	PHASE1	1ST	6091424		
386750	3738750	0.01727	2.61	2.61		0	24-HR	PHASE1	1ST	7011924		
387250	3738750	0.02067	2.01	2.01		0	24-HR	PHASE1	1ST	7082624		
387750	3738750	0.01708	2.6	2.6		0	24-HR	PHASE1	1ST	7082624		
388250	3738750	0.01025	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
388750	3738750	0.00634	3.53	3.53		0	24-HR	PHASE1	1ST	6112724		
389250	3738750	0.00842	7.77	7.77		0	24-HR	PHASE1	1ST	7022524		
389750	3738750	0.01169	11	11		0	24-HR	PHASE1	1ST	7022524		
380250	3739250	0.02409	7.07	7.07		0	24-HR	PHASE1	1ST	6102324		
380750	3739250	0.02261	8.95	13.8		0	24-HR	PHASE1	1ST	7040724		
381250	3739250	0.01892	9.47	10.47		0	24-HR	PHASE1	1ST	7081424		
381750	3739250	0.02014	11.32	11.32		0	24-HR	PHASE1	1ST	7071224		
382250	3739250	0.02651	9.38	9.38		0	24-HR	PHASE1	1ST	6102224		
382750	3739250	0.0365	12.12	12.12		0	24-HR	PHASE1	1ST	6091924		
383250	3739250	0.04009	12.94	12.94		0	24-HR	PHASE1	1ST	6121624		
383750	3739250	0.04668	11.45	11.45		0	24-HR	PHASE1	1ST	6121624		
384250	3739250	0.02866	9.63	9.63		0	24-HR	PHASE1	1ST	7021224		
384750	3739250	0.03335	8.47	8.47		0	24-HR	PHASE1	1ST	7042724		
385250	3739250	0.03071	8.37	8.37		0	24-HR	PHASE1	1ST	7042724		
385750	3739250	0.02645	3.31	3.31		0	24-HR	PHASE1	1ST	7050224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
386250	3739250	0.02002	4.7	4.7		0	24-HR	PHASE1	1ST	7060224		
386750	3739250	0.01502	3.59	3.59		0	24-HR	PHASE1	1ST	7011924		
387250	3739250	0.01634	3.21	3.21		0	24-HR	PHASE1	1ST	7082624		
387750	3739250	0.01827	3.49	3.49		0	24-HR	PHASE1	1ST	7082624		
388250	3739250	0.01469	3.28	3.28		0	24-HR	PHASE1	1ST	7082624		
388750	3739250	0.00902	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
389250	3739250	0.00566	3.52	3.52		0	24-HR	PHASE1	1ST	6112724		
389750	3739250	0.00685	4.87	4.87		0	24-HR	PHASE1	1ST	7022524		
380250	3739750	0.02394	14.79	14.79		0	24-HR	PHASE1	1ST	7030724		
380750	3739750	0.02056	11.06	11.06		0	24-HR	PHASE1	1ST	7040724		
381250	3739750	0.01674	7.58	7.58		0	24-HR	PHASE1	1ST	7071224		
381750	3739750	0.01672	10.66	10.66		0	24-HR	PHASE1	1ST	7071224		
382250	3739750	0.02468	11.2	11.2		0	24-HR	PHASE1	1ST	6102224		
382750	3739750	0.03189	11.12	11.12		0	24-HR	PHASE1	1ST	6091924		
383250	3739750	0.0323	11.73	11.73		0	24-HR	PHASE1	1ST	6121624		
383750	3739750	0.04381	11.55	11.55		0	24-HR	PHASE1	1ST	6121624		
384250	3739750	0.02645	14.83	14.83		0	24-HR	PHASE1	1ST	7021224		
384750	3739750	0.0242	12.34	12.34		0	24-HR	PHASE1	1ST	7021224		
385250	3739750	0.03489	11.42	11.42		0	24-HR	PHASE1	1ST	7042724		
385750	3739750	0.02804	10.26	10.26		0	24-HR	PHASE1	1ST	6092124		
386250	3739750	0.0221	4.15	4.15		0	24-HR	PHASE1	1ST	7060224		
386750	3739750	0.01468	3.97	3.97		0	24-HR	PHASE1	1ST	6091424		
387250	3739750	0.01382	4.04	4.04		0	24-HR	PHASE1	1ST	7011924		
387750	3739750	0.01533	4.12	4.12		0	24-HR	PHASE1	1ST	7082624		
388250	3739750	0.01624	4.56	4.56		0	24-HR	PHASE1	1ST	7082624		
388750	3739750	0.01294	3.91	3.91		0	24-HR	PHASE1	1ST	7082624		
389250	3739750	0.00798	5.34	5.34		0	24-HR	PHASE1	1ST	7082624		
389750	3739750	0.00513	4.73	4.73		0	24-HR	PHASE1	1ST	6112724		
380250	3740250	0.02123	19.22	19.22		0	24-HR	PHASE1	1ST	7030724		
380750	3740250	0.01512	4.92	4.92		0	24-HR	PHASE1	1ST	7040724		
381250	3740250	0.01756	11.48	11.48		0	24-HR	PHASE1	1ST	7071224		
381750	3740250	0.01388	10.54	10.54		0	24-HR	PHASE1	1ST	7071224		
382250	3740250	0.02314	12.98	12.98		0	24-HR	PHASE1	1ST	6102224		
382750	3740250	0.02882	13.04	13.04		0	24-HR	PHASE1	1ST	6091924		
383250	3740250	0.02631	12.34	12.34		0	24-HR	PHASE1	1ST	6121624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3740250	0.04009	11.35	11.35		0	24-HR	PHASE1	1ST	6121624		
384250	3740250	0.02756	9.8	9.8		0	24-HR	PHASE1	1ST	6121624		
384750	3740250	0.02168	10.43	10.43		0	24-HR	PHASE1	1ST	7021224		
385250	3740250	0.03134	12.64	12.64		0	24-HR	PHASE1	1ST	7042724		
385750	3740250	0.02446	8.32	8.32		0	24-HR	PHASE1	1ST	6110324		
386250	3740250	0.02655	13.92	13.92		0	24-HR	PHASE1	1ST	6092124		
386750	3740250	0.01869	6.23	6.23		0	24-HR	PHASE1	1ST	7060224		
387250	3740250	0.01229	5.02	5.02		0	24-HR	PHASE1	1ST	6091424		
387750	3740250	0.01259	5.04	5.04		0	24-HR	PHASE1	1ST	7011924		
388250	3740250	0.01429	5.15	5.15		0	24-HR	PHASE1	1ST	7082624		
388750	3740250	0.01451	4.83	4.83		0	24-HR	PHASE1	1ST	7082624		
389250	3740250	0.01125	4.97	4.97		0	24-HR	PHASE1	1ST	7082624		
389750	3740250	0.00707	5.85	5.85		0	24-HR	PHASE1	1ST	7082624		
380943	3732793.3	0.25069	22.15	22.15		0	24-HR	PHASE1	1ST	7083124		
378621.2	3733740	0.0502	101.65	373.72		0	24-HR	PHASE1	1ST	6101424		
391058.2	3738305	0.01275	10.86	10.86		0	24-HR	PHASE1	1ST	7011924		
379351.1	3732777.1	0.09643	70.95	70.95		0	24-HR	PHASE1	1ST	7041024		
380242.3	3730668.6	0.07775	70.57	94.94		0	24-HR	PHASE1	1ST	7032024		
389528.4	3738426.5	0.0137	11.41	11.41		0	24-HR	PHASE1	1ST	7022524		
383175	3739671.2	0.02996	11.85	11.85		0	24-HR	PHASE1	1ST	6091924		
379739.8	3734599.4	0.07538	59.52	373.72		0	24-HR	PHASE1	1ST	7012724		
382892.9	3737859.8	0.04963	5.49	5.49		0	24-HR	PHASE1	1ST	6091924		
380760.5	3734596.8	0.12621	31.21	31.21		0	24-HR	PHASE1	1ST	7031024		
388845.2	3741561.7	0.01091	6.84	6.84		0	24-HR	PHASE1	1ST	7011924		
392188.9	3737397.5	0.01233	15.1	15.1		0	24-HR	PHASE1	1ST	7030624		
390304.5	3740132.3	0.00495	7.78	7.78		0	24-HR	PHASE1	1ST	6112724		
380234.3	3733594.6	0.13384	37.36	37.36		0	24-HR	PHASE1	1ST	6100924		
389617.7	3740764.5	0.01132	5.72	5.72		0	24-HR	PHASE1	1ST	7082624		
388821.7	3736846.6	0.01649	4.94	4.94		0	24-HR	PHASE1	1ST	7011924		
378729.2	3735826.2	0.05584	79.06	373.72		0	24-HR	PHASE1	1ST	6111924		
392176.5	3737528.9	0.0142	14.66	14.66		0	24-HR	PHASE1	1ST	7030624		
391519.4	3738728.9	0.01125	8.69	8.69		0	24-HR	PHASE1	1ST	7011924		
378520.6	3734954.5	0.05547	119.25	373.72		0	24-HR	PHASE1	1ST	6121524		
387523.5	3742271.2	0.01594	7.78	7.78		0	24-HR	PHASE1	1ST	7050224		
388829.2	3737595.9	0.01557	5.58	5.58		0	24-HR	PHASE1	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387049.2	3740394.5	0.01383	5.12	5.12		0	24-HR	PHASE1	1ST	7060224		
378457.3	3739235	0.02434	35.41	35.41		0	24-HR	PHASE1	1ST	7021824		
383341.7	3739482	0.04127	12.64	12.64		0	24-HR	PHASE1	1ST	6121624		
389704.5	3738119	0.0149	12.33	12.33		0	24-HR	PHASE1	1ST	7022524		
390259.9	3738029.7	0.01421	11.44	11.44		0	24-HR	PHASE1	1ST	7011924		
378589.5	3739658.1	0.02431	27.42	27.42		0	24-HR	PHASE1	1ST	7081924		
391031	3737481.8	0.01945	12.66	12.66		0	24-HR	PHASE1	1ST	7030624		
382857.6	3739199.9	0.03938	12.64	12.64		0	24-HR	PHASE1	1ST	6091924		
389468.9	3738689.3	0.0108	11.41	11.41		0	24-HR	PHASE1	1ST	7022524		
382259.9	3738901.8	0.02878	10.85	10.85		0	24-HR	PHASE1	1ST	6102224		
379441	3739816.8	0.02665	22.55	22.55		0	24-HR	PHASE1	1ST	6102324		
380758.1	3735144.9	0.07203	9.71	35.87		0	24-HR	PHASE1	1ST	7031024		
381915.1	3737786	0.02824	8	8		0	24-HR	PHASE1	1ST	7071224		
384457.4	3739171	0.0288	8.61	8.61		0	24-HR	PHASE1	1ST	7021224		
389615.2	3740856.3	0.01184	6.28	6.28		0	24-HR	PHASE1	1ST	7082624		
379411.9	3734390.5	0.12765	87.44	373.72		0	24-HR	PHASE1	1ST	6121524		
379840.3	3736717.6	0.04069	18.95	44.45		0	24-HR	PHASE1	1ST	7070524		
389766.5	3741238.1	0.01213	6.56	6.56		0	24-HR	PHASE1	1ST	7082624		
387804.4	3740178.1	0.01266	4.97	4.97		0	24-HR	PHASE1	1ST	7011924		
391544.2	3739100.9	0.00923	6.56	6.56		0	24-HR	PHASE1	1ST	7011924		
388023.1	3741842.7	0.01129	7.17	7.17		0	24-HR	PHASE1	1ST	6091424		
387334.7	3739738.3	0.01398	3.82	3.82		0	24-HR	PHASE1	1ST	7011924		
389315.2	3740551.3	0.01221	5.34	5.34		0	24-HR	PHASE1	1ST	7082624		
379597	3732177.2	0.08074	80.02	80.02		0	24-HR	PHASE1	1ST	6110924		
390287.1	3737712.4	0.01446	11.74	11.74		0	24-HR	PHASE1	1ST	7011924		
379487.2	3738824	0.03172	24.02	37.86		0	24-HR	PHASE1	1ST	6091324		
386832.8	3739478.2	0.01389	3.52	3.52		0	24-HR	PHASE1	1ST	7011924		
391373.1	3739661.2	0.00935	6.26	6.26		0	24-HR	PHASE1	1ST	7022524		
380094.3	3733560.1	0.11277	41.28	41.28		0	24-HR	PHASE1	1ST	6101424		
380034.3	3733611.3	0.11615	42.93	42.93		0	24-HR	PHASE1	1ST	6100924		
376978.3	3735459	0.03622	266.18	373.72		0	24-HR	PHASE1	1ST	6121524		
377412.5	3735208.8	0.04591	233.89	373.72		0	24-HR	PHASE1	1ST	6121524		
380379.1	3739963	0.02153	17.31	17.31		0	24-HR	PHASE1	1ST	7030724		
389954.9	3741654.7	0.01358	14.8	14.8		0	24-HR	PHASE1	1ST	7082624		
382067.6	3739797.2	0.01735	10.87	10.87		0	24-HR	PHASE1	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379359	3735318.7	0.07306	69.74	373.72		0	24-HR	PHASE1	1ST	6111924		
383091.7	3739584.6	0.0333	12.03	12.03		0	24-HR	PHASE1	1ST	6091924		
390433.4	3738875.2	0.01238	10.53	10.53		0	24-HR	PHASE1	1ST	7022524		
380541	3730995.2	0.10499	25.8	94.94		0	24-HR	PHASE1	1ST	7032024		
380128.5	3732833	0.14903	34.38	34.38		0	24-HR	PHASE1	1ST	6110324		
378266.9	3736789	0.03893	76.12	373.72		0	24-HR	PHASE1	1ST	6090524		
389186.3	3738602.5	0.00962	9.52	9.52		0	24-HR	PHASE1	1ST	7022524		
389875.6	3737846.3	0.01503	11.74	11.74		0	24-HR	PHASE1	1ST	7011924		
379674	3738169.4	0.04074	37.73	49.69		0	24-HR	PHASE1	1ST	6091324		
390240	3738860.4	0.01245	11.14	11.14		0	24-HR	PHASE1	1ST	7022524		
390711.1	3737434.7	0.01933	12.35	12.35		0	24-HR	PHASE1	1ST	7030624		
382505	3738119.5	0.04321	7.74	7.74		0	24-HR	PHASE1	1ST	6102224		
379779.5	3732772.2	0.11786	54.7	54.7		0	24-HR	PHASE1	1ST	6110324		
387235.7	3740097.5	0.012	4.73	4.73		0	24-HR	PHASE1	1ST	6091424		
391516.9	3740229	0.00796	23.5	109.11		0	24-HR	PHASE1	1ST	7022524		
390617.8	3737565	0.01673	12.28	12.28		0	24-HR	PHASE1	1ST	7030624		
387500.5	3740353.1	0.01174	5.34	5.34		0	24-HR	PHASE1	1ST	7011924		
390378.9	3737447.1	0.01726	11.74	11.74		0	24-HR	PHASE1	1ST	7030624		
379901.1	3736326.2	0.04809	22.1	22.1		0	24-HR	PHASE1	1ST	7070524		
389704.5	3738416.5	0.01424	12.33	12.33		0	24-HR	PHASE1	1ST	7022524		
378829.5	3733698.3	0.05645	92.42	373.72		0	24-HR	PHASE1	1ST	6101424		
381707.2	3738367.6	0.02765	12.07	12.07		0	24-HR	PHASE1	1ST	7071224		
378917.4	3731270.2	0.06682	75.36	105.86		0	24-HR	PHASE1	1ST	7082924		
378789.4	3734119.1	0.04488	91.96	373.72		0	24-HR	PHASE1	1ST	7051024		
387208.7	3741389.4	0.01725	6.26	6.26		0	24-HR	PHASE1	1ST	7060224		
382154.1	3740139.4	0.02006	13.01	13.01		0	24-HR	PHASE1	1ST	6102224		
384710.7	3738921	0.0375	6.88	6.88		0	24-HR	PHASE1	1ST	7042724		
390000.6	3738411.2	0.01411	12.35	12.35		0	24-HR	PHASE1	1ST	7022524		
390132	3737170.5	0.0209	11.14	11.14		0	24-HR	PHASE1	1ST	7030624		
379075.6	3739043.5	0.02916	25.34	25.34		0	24-HR	PHASE1	1ST	6091324		
390394.9	3739421.1	0.00874	8.7	8.7		0	24-HR	PHASE1	1ST	7022524		
392199.9	3737542.4	0.01416	14.61	14.61		0	24-HR	PHASE1	1ST	7030624		
378548.8	3734737.9	0.08202	121.86	373.72		0	24-HR	PHASE1	1ST	6121524		
391347.1	3738946.6	0.00985	7.91	7.91		0	24-HR	PHASE1	1ST	7011924		
386874.7	3740094.4	0.01452	5.31	5.31		0	24-HR	PHASE1	1ST	7060224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380266.1	3733528.2	0.12591	37.47	37.47		0	24-HR	PHASE1	1ST	6101324		
381344.1	3732781.9	0.38414	16.48	16.48		0	24-HR	PHASE1	1ST	6110924		
391949.8	3737205.8	0.01245	15.4	15.4		0	24-HR	PHASE1	1ST	6111424		
390141.6	3738052.1	0.01391	11.45	11.45		0	24-HR	PHASE1	1ST	7011924		
389106.1	3736840.3	0.01985	7.17	7.17		0	24-HR	PHASE1	1ST	7030624		
389561.4	3740841.4	0.01204	5.99	5.99		0	24-HR	PHASE1	1ST	7082624		
380237.8	3734076.9	0.2332	39.9	43.98		0	24-HR	PHASE1	1ST	6121524		
379774.2	3736712.5	0.04265	20.61	20.61		0	24-HR	PHASE1	1ST	7070524		
393254.7	3738613.2	0.01419	13.88	13.88		0	24-HR	PHASE1	1ST	7030624		
378895.9	3733697	0.05811	89.37	373.72		0	24-HR	PHASE1	1ST	6101424		
380520.2	3733713.4	0.14835	31.48	31.48		0	24-HR	PHASE1	1ST	6100924		
390061.5	3738683.7	0.01313	11.76	11.76		0	24-HR	PHASE1	1ST	7022524		
392405.1	3738225.3	0.01513	10.83	10.83		0	24-HR	PHASE1	1ST	7030624		
388715	3741181.2	0.01136	6.87	6.87		0	24-HR	PHASE1	1ST	7011924		
387750	3740213	0.01268	5.03	5.03		0	24-HR	PHASE1	1ST	7011924		
391645.3	3738331.1	0.01075	10.22	10.22		0	24-HR	PHASE1	1ST	7030624		
378930.6	3731962.4	0.04724	122.85	128.95		0	24-HR	PHASE1	1ST	6110924		
393020.6	3737276.3	0.01016	17.24	17.24		0	24-HR	PHASE1	1ST	6101724		
381906.7	3737805.8	0.0291	8.24	8.24		0	24-HR	PHASE1	1ST	7071224		
392953.3	3738789.5	0.01191	13.67	13.67		0	24-HR	PHASE1	1ST	7030624		
391116.3	3739135.8	0.01046	7.76	7.76		0	24-HR	PHASE1	1ST	7022524		
387586.5	3739498	0.0165	3.82	3.82		0	24-HR	PHASE1	1ST	7082624		
390673.8	3738048.9	0.01368	11.44	11.44		0	24-HR	PHASE1	1ST	7011924		
388804.7	3740956.8	0.01281	6.54	6.54		0	24-HR	PHASE1	1ST	7082624		
379399.6	3739353.5	0.02481	22.42	22.42		0	24-HR	PHASE1	1ST	7032024		
389657.5	3737997.6	0.0146	11.82	11.82		0	24-HR	PHASE1	1ST	7022524		
390019.8	3740174.5	0.0058	8.39	8.39		0	24-HR	PHASE1	1ST	6112724		
390452.6	3740062.3	0.00466	7.48	7.48		0	24-HR	PHASE1	1ST	6101524		
390612.9	3740148.9	0.00473	7.78	7.78		0	24-HR	PHASE1	1ST	6101524		
391318.2	3739251.2	0.01002	6.69	6.69		0	24-HR	PHASE1	1ST	7022524		
390423.8	3741232.5	0.00798	16.72	16.72		0	24-HR	PHASE1	1ST	7082624		
388936.4	3738067.9	0.01444	10.14	10.14		0	24-HR	PHASE1	1ST	7022524		
383053.2	3739398.7	0.03577	12.95	12.95		0	24-HR	PHASE1	1ST	6091924		
391272.9	3739044.7	0.00992	7.43	7.43		0	24-HR	PHASE1	1ST	7022524		
389338	3739052.2	0.00625	3.89	3.89		0	24-HR	PHASE1	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382232.4	3737625.7	0.03332	5.6	5.6		0	24-HR	PHASE1	1ST	6102224		
379024.1	3734606.9	0.09942	99.15	373.72		0	24-HR	PHASE1	1ST	6121524		
389612.7	3741014.5	0.01231	5.95	5.95		0	24-HR	PHASE1	1ST	7082624		
378645.9	3732426.3	0.05874	128.17	153.43		0	24-HR	PHASE1	1ST	6110324		
388939.4	3742316.1	0.00935	7.71	7.71		0	24-HR	PHASE1	1ST	7011924		
391799.6	3737634.6	0.01751	13.64	13.64		0	24-HR	PHASE1	1ST	7030624		
392286.5	3737192.9	0.01166	15.71	15.71		0	24-HR	PHASE1	1ST	6111424		
389099.7	3739674.4	0.0087	4.65	4.65		0	24-HR	PHASE1	1ST	7082624		
389551.7	3740065.5	0.00758	4.99	4.99		0	24-HR	PHASE1	1ST	7082624		
379261.2	3735411.7	0.0704	70.36	373.72		0	24-HR	PHASE1	1ST	6111924		
393495.1	3737276.3	0.01098	19.36	19.36		0	24-HR	PHASE1	1ST	6101724		
389659.2	3738023.1	0.01473	11.9	11.9		0	24-HR	PHASE1	1ST	7022524		
388138.9	3738460.1	0.00853	2.74	2.74		0	24-HR	PHASE1	1ST	7082624		
380464.5	3732913.7	0.17997	29.13	29.13		0	24-HR	PHASE1	1ST	7041024		
389115.7	3741043.3	0.01331	5.95	5.95		0	24-HR	PHASE1	1ST	7082624		
379855.5	3730852.9	0.09889	68.17	68.17		0	24-HR	PHASE1	1ST	6100724		
383617.4	3739732.1	0.04472	11.51	11.51		0	24-HR	PHASE1	1ST	6121624		
387545	3742146.5	0.01583	7.49	7.49		0	24-HR	PHASE1	1ST	7060224		
391613.2	3740245	0.00856	26.03	109.97		0	24-HR	PHASE1	1ST	7022524		
393197	3738674.1	0.01377	14.28	14.28		0	24-HR	PHASE1	1ST	7030624		
390702.7	3739805.8	0.00693	7.78	7.78		0	24-HR	PHASE1	1ST	7022524		
378376	3733474	0.05715	114.36	373.72		0	24-HR	PHASE1	1ST	7020724		
389926.8	3741553.1	0.01345	13.79	13.79		0	24-HR	PHASE1	1ST	7082624		
380553.1	3734292.8	0.1241	36.08	36.08		0	24-HR	PHASE1	1ST	6121524		
391529.8	3738026.5	0.01466	11.14	11.14		0	24-HR	PHASE1	1ST	7030624		
383120.5	3739235.1	0.03415	13.04	13.04		0	24-HR	PHASE1	1ST	6091924		
379979	3739541.5	0.02814	15.69	15.69		0	24-HR	PHASE1	1ST	6102324		
389272.8	3738465.7	0.01187	9.73	9.73		0	24-HR	PHASE1	1ST	7022524		
387532	3739969.3	0.01331	4.43	4.43		0	24-HR	PHASE1	1ST	7011924		
384784.4	3738956.2	0.03822	6.87	6.87		0	24-HR	PHASE1	1ST	7042724		
381516.5	3733913.6	0.31636	6.02	6.02		0	24-HR	PHASE1	1ST	6121524		
390375.7	3737164.1	0.02146	11.74	11.74		0	24-HR	PHASE1	1ST	7030624		
389596.6	3739401.9	0.0054	4.12	4.12		0	24-HR	PHASE1	1ST	6101524		
389615.9	3740559.2	0.01015	5.39	5.39		0	24-HR	PHASE1	1ST	7082624		
390327.6	3737487.9	0.01615	11.74	11.74		0	24-HR	PHASE1	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389538.9	3737491.1	0.01639	10.27	10.27		0	24-HR	PHASE1	1ST	7011924		
382296.6	3738597.2	0.03192	8.93	8.93		0	24-HR	PHASE1	1ST	6102224		
380274	3736110	0.04271	5.05	5.05		0	24-HR	PHASE1	1ST	7070524		
390058.4	3741261	0.01108	9.5	9.5		0	24-HR	PHASE1	1ST	7082624		
381428.5	3733365.1	0.41439	21.07	21.07		0	24-HR	PHASE1	1ST	7020724		
380102.1	3739332.8	0.02876	16.13	16.13		0	24-HR	PHASE1	1ST	6102324		
379221.5	3733695	0.06415	80.54	373.72		0	24-HR	PHASE1	1ST	6101424		
389529.3	3739139.6	0.0067	4.06	4.06		0	24-HR	PHASE1	1ST	7022524		
389618.8	3741131.3	0.01255	6.32	6.32		0	24-HR	PHASE1	1ST	7082624		
378755.1	3738704.2	0.02963	50.79	50.79		0	24-HR	PHASE1	1ST	7021824		
379092.5	3733700.7	0.06181	82.75	373.72		0	24-HR	PHASE1	1ST	6101424		
390247.4	3738196.4	0.01297	11.32	11.32		0	24-HR	PHASE1	1ST	7011924		
389295.3	3739264	0.00563	3.52	3.52		0	24-HR	PHASE1	1ST	6112724		
390433.4	3741174.8	0.0073	17.13	17.13		0	24-HR	PHASE1	1ST	7082624		
390943.1	3737212.2	0.01973	12.79	12.79		0	24-HR	PHASE1	1ST	7030624		
389869.1	3736696	0.02138	3.34	8.7		0	24-HR	PHASE1	1ST	7030624		
392687.2	3736651.1	0.01247	15.71	15.71		0	24-HR	PHASE1	1ST	7020624		
387535.2	3740498.3	0.01117	5.51	5.51		0	24-HR	PHASE1	1ST	7011924		
390529.6	3740129.6	0.00457	7.48	7.48		0	24-HR	PHASE1	1ST	6101524		
391911.4	3737427	0.01489	14.79	14.79		0	24-HR	PHASE1	1ST	7030624		
392219.1	3739411.5	0.00944	9.57	109.97		0	24-HR	PHASE1	1ST	7011924		
391911.4	3737318	0.0134	15.06	15.06		0	24-HR	PHASE1	1ST	7030624		
380525	3733458.9	0.16786	31.03	31.03		0	24-HR	PHASE1	1ST	6101324		
389789	3742236	0.01077	12.01	29.96		0	24-HR	PHASE1	1ST	7082624		
389789	3742287.3	0.01055	13.36	29.96		0	24-HR	PHASE1	1ST	7082624		
392635.9	3737285.9	0.01096	16.1	16.1		0	24-HR	PHASE1	1ST	6111424		
389199.1	3738584.3	0.01006	10.07	10.07		0	24-HR	PHASE1	1ST	7022524		
389728.1	3737853.4	0.01441	11.48	11.48		0	24-HR	PHASE1	1ST	7011924		
378640.7	3732209.2	0.0555	138.69	138.69		0	24-HR	PHASE1	1ST	7082824		
387310.7	3740277.1	0.01192	5.04	5.04		0	24-HR	PHASE1	1ST	6091424		
378901.4	3733937.6	0.06083	87.22	373.72		0	24-HR	PHASE1	1ST	6100924		
390536	3738202.8	0.01345	11.15	11.15		0	24-HR	PHASE1	1ST	7011924		
388634.8	3741521	0.01008	5.2	5.2		0	24-HR	PHASE1	1ST	7011924		
389558.2	3741149.1	0.01277	6.26	6.26		0	24-HR	PHASE1	1ST	7082624		
392126.2	3737295.5	0.01212	15.35	15.35		0	24-HR	PHASE1	1ST	6111424		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387620.8	3742283.5	0.01556	7.81	7.81		0	24-HR	PHASE1	1ST	7060224		
378928	3733805.8	0.061	85.01	373.72		0	24-HR	PHASE1	1ST	6100924		
391513.8	3738375.9	0.01132	10.22	10.22		0	24-HR	PHASE1	1ST	7011924		
390555.2	3737978.4	0.01402	11.71	11.71		0	24-HR	PHASE1	1ST	7011924		
393331.6	3736535.7	0.01535	16.31	16.31		0	24-HR	PHASE1	1ST	7020624		
391898.5	3736808.2	0.01212	15.53	15.53		0	24-HR	PHASE1	1ST	6101724		
382060.3	3731032.8	0.10474	3.12	3.12		0	24-HR	PHASE1	1ST	6120724		
387257.5	3734294.4	0.03385	4.69	4.69		0	24-HR	PHASE1	1ST	7020724		
381513.8	3733823.7	0.43494	5.59	5.59		0	24-HR	PHASE1	1ST	6121524		
382523.3	3738145.5	0.04323	7.72	7.72		0	24-HR	PHASE1	1ST	6102224		
387882.5	3738474.4	0.01238	2.3	2.3		0	24-HR	PHASE1	1ST	7082624		
383093	3734361.3	0.2909	3.58	3.58		0	24-HR	PHASE1	1ST	7042724		
379000	3731000	0.12707	41.03	109.46		0	24-HR	PHASE1	1ST	6120924		
379500	3731000	0.09738	60.4	68.78		0	24-HR	PHASE1	1ST	6100724		
379000	3731500	0.06785	104.46	104.46		0	24-HR	PHASE1	1ST	7082924		
379500	3731500	0.08675	79.39	79.39		0	24-HR	PHASE1	1ST	6120924		
379000	3732000	0.0486	113.91	131.71		0	24-HR	PHASE1	1ST	6102424		
379500	3732000	0.10342	82.05	82.05		0	24-HR	PHASE1	1ST	6110924		
379000	3732500	0.07034	108.5	110.72		0	24-HR	PHASE1	1ST	6110324		
379500	3732500	0.0994	73.07	79.99		0	24-HR	PHASE1	1ST	7082824		
379000	3733000	0.08202	81.43	373.72		0	24-HR	PHASE1	1ST	7020724		
379500	3733000	0.09873	60.4	373.72		0	24-HR	PHASE1	1ST	7020724		
379000	3733500	0.0706	82.69	373.72		0	24-HR	PHASE1	1ST	6101324		
379500	3733500	0.09307	62.88	373.72		0	24-HR	PHASE1	1ST	6101324		
379000	3734000	0.05695	82.64	373.72		0	24-HR	PHASE1	1ST	6100924		
379500	3734000	0.06113	74.28	373.72		0	24-HR	PHASE1	1ST	6092224		
379000	3734500	0.10472	100.44	373.72		0	24-HR	PHASE1	1ST	6121524		
379500	3734500	0.10988	82.31	373.72		0	24-HR	PHASE1	1ST	6121524		
379000	3735000	0.04062	92.28	373.72		0	24-HR	PHASE1	1ST	7030724		
379500	3735000	0.05767	65.2	373.72		0	24-HR	PHASE1	1ST	6112124		
379000	3735500	0.0609	80.63	373.72		0	24-HR	PHASE1	1ST	6111924		
379500	3735500	0.0557	55.48	373.72		0	24-HR	PHASE1	1ST	6111924		
379000	3736000	0.04798	58.69	373.72		0	24-HR	PHASE1	1ST	6090524		
379500	3736000	0.05126	26.4	373.72		0	24-HR	PHASE1	1ST	7031024		
379000	3736500	0.04301	36.45	373.72		0	24-HR	PHASE1	1ST	7031024		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379500	3736500	0.0364	23.9	373.72		0	24-HR	PHASE1	1ST	7031924		
379000	3737000	0.0333	42.57	365.37		0	24-HR	PHASE1	1ST	7031924		
379500	3737000	0.04373	39.47	58.35		0	24-HR	PHASE1	1ST	7070524		
379000	3737500	0.03543	74.52	74.52		0	24-HR	PHASE1	1ST	7070524		
379500	3737500	0.04027	69.59	69.59		0	24-HR	PHASE1	1ST	7021824		
379000	3738000	0.03213	76.85	76.85		0	24-HR	PHASE1	1ST	7021824		
379500	3738000	0.03681	42.42	61.98		0	24-HR	PHASE1	1ST	7081924		
379000	3738500	0.02825	59.63	59.63		0	24-HR	PHASE1	1ST	7021824		
379500	3738500	0.0378	38.07	38.34		0	24-HR	PHASE1	1ST	6091324		
379000	3739000	0.02842	29.06	49.95		0	24-HR	PHASE1	1ST	7081924		
379500	3739000	0.02682	17.36	17.36		0	24-HR	PHASE1	1ST	6091324		
379000	3739500	0.02811	25.04	25.04		0	24-HR	PHASE1	1ST	6091324		
379500	3739500	0.02535	21.09	21.09		0	24-HR	PHASE1	1ST	6102324		
379000	3740000	0.02156	22.08	22.08		0	24-HR	PHASE1	1ST	7032024		
379500	3740000	0.02846	22.87	22.87		0	24-HR	PHASE1	1ST	6102324		
379000	3740500	0.01985	17.57	17.57		0	24-HR	PHASE1	1ST	6102324		
379500	3740500	0.02396	15.07	15.07		0	24-HR	PHASE1	1ST	6102324		
390500	3736500	0.01275	1.69	1.69		0	24-HR	PHASE1	1ST	7030624		
391000	3736500	0.01149	4.66	13.27		0	24-HR	PHASE1	1ST	6101724		
390500	3737000	0.02102	11.74	11.74		0	24-HR	PHASE1	1ST	7030624		
391000	3737000	0.0168	12.96	12.96		0	24-HR	PHASE1	1ST	7030624		
390500	3737500	0.01716	12.05	12.05		0	24-HR	PHASE1	1ST	7030624		
391000	3737500	0.01928	12.66	12.66		0	24-HR	PHASE1	1ST	7030624		
390500	3738000	0.01416	11.7	11.7		0	24-HR	PHASE1	1ST	7011924		
391000	3738000	0.0121	11.44	11.44		0	24-HR	PHASE1	1ST	7011924		
390500	3738500	0.0122	10.83	10.83		0	24-HR	PHASE1	1ST	7022524		
391000	3738500	0.01224	10.53	10.53		0	24-HR	PHASE1	1ST	7011924		
390500	3739000	0.01179	10.03	10.03		0	24-HR	PHASE1	1ST	7022524		
391000	3739000	0.01111	8.46	8.46		0	24-HR	PHASE1	1ST	7022524		
390500	3739500	0.00855	8.39	8.39		0	24-HR	PHASE1	1ST	7022524		
391000	3739500	0.0097	7.47	7.47		0	24-HR	PHASE1	1ST	7022524		
390500	3740000	0.00498	7.48	7.48		0	24-HR	PHASE1	1ST	7022524		
391000	3740000	0.00705	7.48	7.48		0	24-HR	PHASE1	1ST	7022524		
390500	3740500	0.00514	8.24	8.24		0	24-HR	PHASE1	1ST	6112724		
391000	3740500	0.00426	18.7	18.7		0	24-HR	PHASE1	1ST	6112724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379250	3730750	0.1041	11.17	107.01		0	24-HR	PHASE1	1ST	6100724		
379750	3730750	0.10318	48.13	94.94		0	24-HR	PHASE1	1ST	6100724		
379250	3731250	0.10842	74.39	101.48		0	24-HR	PHASE1	1ST	6120924		
379750	3731250	0.11326	72.44	72.44		0	24-HR	PHASE1	1ST	6120924		
379250	3731750	0.08529	84.78	128.95		0	24-HR	PHASE1	1ST	6110924		
379750	3731750	0.09583	76.59	76.59		0	24-HR	PHASE1	1ST	7082924		
379250	3732250	0.07981	86.27	133.26		0	24-HR	PHASE1	1ST	7083124		
379750	3732250	0.08394	72.42	72.42		0	24-HR	PHASE1	1ST	6110924		
379250	3732750	0.09043	75.22	372.29		0	24-HR	PHASE1	1ST	7041024		
379750	3732750	0.11837	55.85	55.85		0	24-HR	PHASE1	1ST	6110324		
379250	3733250	0.12836	68.45	373.72		0	24-HR	PHASE1	1ST	7020724		
379750	3733250	0.17718	48.71	373.72		0	24-HR	PHASE1	1ST	7020724		
379250	3733750	0.06944	77.54	373.72		0	24-HR	PHASE1	1ST	6100924		
379750	3733750	0.1004	55.91	373.72		0	24-HR	PHASE1	1ST	6100924		
379250	3734250	0.0945	90.94	373.72		0	24-HR	PHASE1	1ST	6121524		
379750	3734250	0.17009	59.3	373.72		0	24-HR	PHASE1	1ST	6121524		
379250	3734750	0.05895	89.09	373.72		0	24-HR	PHASE1	1ST	7012724		
379750	3734750	0.06568	59.46	373.72		0	24-HR	PHASE1	1ST	6112124		
379250	3735250	0.05977	77.27	373.72		0	24-HR	PHASE1	1ST	6111924		
379750	3735250	0.0776	28.95	373.72		0	24-HR	PHASE1	1ST	6111924		
379250	3735750	0.0491	54.65	373.72		0	24-HR	PHASE1	1ST	6090524		
379750	3735750	0.05823	28.82	373.72		0	24-HR	PHASE1	1ST	7031024		
379250	3736250	0.04743	43.73	373.72		0	24-HR	PHASE1	1ST	7031024		
379750	3736250	0.04113	25.6	373.72		0	24-HR	PHASE1	1ST	7031924		
379250	3736750	0.03579	36.5	373.72		0	24-HR	PHASE1	1ST	7031924		
379750	3736750	0.04292	22.98	22.98		0	24-HR	PHASE1	1ST	7070524		
379250	3737250	0.03969	64.85	64.85		0	24-HR	PHASE1	1ST	7070524		
379750	3737250	0.04429	58.14	58.14		0	24-HR	PHASE1	1ST	7021824		
379250	3737750	0.0381	53.88	78.01		0	24-HR	PHASE1	1ST	7021824		
379750	3737750	0.03548	18.69	75.73		0	24-HR	PHASE1	1ST	7081924		
379250	3738250	0.03057	61.47	68.24		0	24-HR	PHASE1	1ST	7081924		
379750	3738250	0.03883	29.11	49.69		0	24-HR	PHASE1	1ST	6091324		
379250	3738750	0.0337	45.16	45.16		0	24-HR	PHASE1	1ST	6091324		
379750	3738750	0.02736	18.86	18.86		0	24-HR	PHASE1	1ST	7032024		
379250	3739250	0.02806	21.29	21.29		0	24-HR	PHASE1	1ST	6091324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379750	3739250	0.02887	13.02	13.02		0	24-HR	PHASE1	1ST	6102324		
379250	3739750	0.0228	23.67	23.67		0	24-HR	PHASE1	1ST	7032024		
379750	3739750	0.02841	15.39	15.39		0	24-HR	PHASE1	1ST	6102324		
379250	3740250	0.02373	17.24	17.24		0	24-HR	PHASE1	1ST	6102324		
379750	3740250	0.02408	22.41	22.41		0	24-HR	PHASE1	1ST	6102324		
390250	3736750	0.02035	10.11	10.11		0	24-HR	PHASE1	1ST	7030624		
390750	3736750	0.01511	12.22	12.22		0	24-HR	PHASE1	1ST	7030624		
390250	3737250	0.02008	11.55	11.55		0	24-HR	PHASE1	1ST	7030624		
390750	3737250	0.02061	12.35	12.35		0	24-HR	PHASE1	1ST	7030624		
390250	3737750	0.01479	11.73	11.73		0	24-HR	PHASE1	1ST	7011924		
390750	3737750	0.01427	12.05	12.05		0	24-HR	PHASE1	1ST	7030624		
390250	3738250	0.01246	11.15	11.15		0	24-HR	PHASE1	1ST	7011924		
390750	3738250	0.0133	11.14	11.14		0	24-HR	PHASE1	1ST	7011924		
390250	3738750	0.01297	11.44	11.44		0	24-HR	PHASE1	1ST	7022524		
390750	3738750	0.01173	9.91	9.91		0	24-HR	PHASE1	1ST	7022524		
390250	3739250	0.00934	9.6	9.6		0	24-HR	PHASE1	1ST	7022524		
390750	3739250	0.01079	8.39	8.39		0	24-HR	PHASE1	1ST	7022524		
390250	3739750	0.00542	8.39	8.39		0	24-HR	PHASE1	1ST	7022524		
390750	3739750	0.00748	7.71	7.71		0	24-HR	PHASE1	1ST	7022524		
390250	3740250	0.00514	7.45	7.45		0	24-HR	PHASE1	1ST	6112724		
390750	3740250	0.00464	7.82	7.82		0	24-HR	PHASE1	1ST	6101524		
383250	3733750	0.3796	2.18	2.18		0	24-HR	PHASE1	1ST	7011924		
383500	3734000	0.20273	1.63	1.63		0	24-HR	PHASE1	1ST	7011924		
383750	3734250	0.12226	3.1	3.1		0	24-HR	PHASE1	1ST	7011924		
383750	3733750	0.24194	0	0		0	24-HR	PHASE1	1ST	7030624		
383250	3733250	1.06669	2.15	2.15		0	24-HR	PHASE1	1ST	6092724		
383500	3733500	0.39019	0	0		0	24-HR	PHASE1	1ST	7020624		
383750	3733250	0.47862	0	0		0	24-HR	PHASE1	1ST	6092724		
384000	3733500	0.3129	0	0		0	24-HR	PHASE1	1ST	6092724		
382610.9	3733260.9	25.09059	0	0		0	24-HR	PHASE1	1ST	7020124		
382658.1	3733187	12.45486	0	0		0	24-HR	PHASE1	1ST	6120524		
382676.1	3733156.5	9.80707	0	0		0	24-HR	PHASE1	1ST	6120524		
382685	3733141.5	8.84841	0	0		0	24-HR	PHASE1	1ST	6120524		
382673.1	3733100.6	7.74175	0	0		0	24-HR	PHASE1	1ST	6120524		
382637.4	3733087	6.63894	0	0		0	24-HR	PHASE1	1ST	6120624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382602.9	3733074.3	6.73351	0	0	0	24-HR	PHASE1	1ST	6120624			
382602.1	3733051.1	5.89588	0	3.43	0	24-HR	PHASE1	1ST	6120624			
382581.2	3733049.8	5.37121	2.04	2.04	0	24-HR	PHASE1	1ST	6120624			
382572.8	3733069.1	5.77034	2.99	3.17	0	24-HR	PHASE1	1ST	6120624			
382562.2	3733087.9	6.01808	2.92	2.92	0	24-HR	PHASE1	1ST	6120624			
382520.6	3733122.6	6.25258	3.16	3.16	0	24-HR	PHASE1	1ST	7011124			
382542	3733133.8	7.53474	3.17	3.17	0	24-HR	PHASE1	1ST	6120724			
382527	3733163.3	10.3248	3.39	3.39	0	24-HR	PHASE1	1ST	7010424			
382499.2	3733148.7	7.634	3.05	3.05	0	24-HR	PHASE1	1ST	6120924			
382494.4	3733167	11.92114	2.92	2.92	0	24-HR	PHASE1	1ST	6120924			
382489.7	3733185.4	16.95085	3.22	3.22	0	24-HR	PHASE1	1ST	6120924			
382484.6	3733267.6	14.5233	4.28	4.28	0	24-HR	PHASE1	1ST	6121524			
382502.1	3733248.2	17.50236	3.72	3.72	0	24-HR	PHASE1	1ST	6121524			
382553	3733272	24.0055	0.96	2.92	0	24-HR	PHASE1	1ST	6110924			
382560.1	3733276.2	23.42302	0.42	0.42	0	24-HR	PHASE1	1ST	6110924			
382579.7	3733242.7	20.81054	0.37	0.37	0	24-HR	PHASE1	1ST	7010424			
382591.6	3733249.3	21.04981	0.05	0.05	0	24-HR	PHASE1	1ST	6122624			
382588.7	3733254.4	19.85556	0	0	0	24-HR	PHASE1	1ST	7010424			
382598.5	3733259.7	21.31418	0	0	0	24-HR	PHASE1	1ST	7020124			
382602	3733255.4	23.05345	0	0	0	24-HR	PHASE1	1ST	7012924			
382626.6	3733236.3	21.24643	0	0	0	24-HR	PHASE1	1ST	6122624			
382642.4	3733211.6	15.88444	0	0	0	24-HR	PHASE1	1ST	6120524			
382667.1	3733171.7	10.98554	0	0	0	24-HR	PHASE1	1ST	6120524			
382679	3733121	8.43025	0	0	0	24-HR	PHASE1	1ST	6120524			
382655.2	3733093.8	7.39477	0	0	0	24-HR	PHASE1	1ST	6120524			
382620.1	3733080.7	6.92812	0	0	0	24-HR	PHASE1	1ST	6120624			
382541.4	3733105.3	5.61773	3.16	3.16	0	24-HR	PHASE1	1ST	6120724			
382534.5	3733148.5	8.35196	3.25	3.25	0	24-HR	PHASE1	1ST	6120724			
382513.1	3733156	8.9456	3.26	3.26	0	24-HR	PHASE1	1ST	7010424			
382488	3733212.8	20.12866	3.58	3.58	0	24-HR	PHASE1	1ST	6110924			
382486.3	3733240.2	15.98474	3.91	3.91	0	24-HR	PHASE1	1ST	7012724			
382527.6	3733260.1	20.47019	3.23	3.23	0	24-HR	PHASE1	1ST	6110924			
382569.9	3733259.5	25.09892	0.35	2.92	0	24-HR	PHASE1	1ST	6110924			

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:35:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 937 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.9	3733112.6	11.62917	0	0	0	24-HR	PHASE2	1ST	6120624		11.63	ALBS
382683.7	3733072.5	6.65142	0	0	0	24-HR	PHASE2	1ST	6120624		6.65	ALBS
382648	3733059	3.84031	0	0	0	24-HR	PHASE2	1ST	6120624		3.84	ALBS
382613.2	3733046.2	2.69891	0	0	0	24-HR	PHASE2	1ST	7011124		2.70	ALBS
382583	3733019.9	2.35862	1.81	1.81	0	24-HR	PHASE2	1ST	7011124		2.36	ALBS
382553.7	3733037.9	2.35129	3.46	3.46	0	24-HR	PHASE2	1ST	7011124		2.35	ALBS
382536.1	3733073.2	3.43732	3.18	3.18	0	24-HR	PHASE2	1ST	6120924		3.44	ALBS
382501.4	3733099.5	4.02914	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		4.03	ALBS
382483.4	3733121.6	3.89233	3.21	3.21	0	24-HR	PHASE2	1ST	6120924		3.89	ALBS
382470.2	3733141	3.60004	3.16	3.16	0	24-HR	PHASE2	1ST	6110924		3.60	ALBS
382460.6	3733178	2.79857	3.66	3.66	0	24-HR	PHASE2	1ST	7012824		2.80	ALBS
382458	3733211	3.4606	4.16	4.16	0	24-HR	PHASE2	1ST	7020724		3.46	ALBS
382456.3	3733238.4	3.23628	4.61	4.61	0	24-HR	PHASE2	1ST	7020724		3.24	ALBS
382454.7	3733265.8	3.68207	5.12	5.12	0	24-HR	PHASE2	1ST	6121524		3.68	ALBS
382489.9	3733291.5	5.04073	4.49	4.49	0	24-HR	PHASE2	1ST	6121524		5.04	ALBS
382518.4	3733301.2	5.90349	2.67	2.67	0	24-HR	PHASE2	1ST	6121524	NA		Overwater
382683.7	3733072.5	6.65142	0	0	0	24-HR	PHASE2	1ST	6120624	NA		Overwater
382648	3733059	3.84031	0	0	0	24-HR	PHASE2	1ST	6120624	NA		Overwater
380000	3730500	0.05789	43.34	94.94	0	24-HR	PHASE2	1ST	7040124	NA		Overwater
380500	3730500	0.06055	44.54	94.94	0	24-HR	PHASE2	1ST	7042224	NA		Overwater
381000	3730500	0.05263	5.88	94.4	0	24-HR	PHASE2	1ST	7031324	NA		Overwater
380000	3731000	0.08915	78.71	87.19	0	24-HR	PHASE2	1ST	6100724	NA		Fenceline
380500	3731000	0.08153	29.84	94.94	0	24-HR	PHASE2	1ST	7040124	NA		Fenceline
381000	3731000	0.06234	5.69	94.94	0	24-HR	PHASE2	1ST	7042224		0.06	ALBS
382000	3731000	0.08056	1.95	1.95	0	24-HR	PHASE2	1ST	7072624	NA		Fenceline
380000	3731500	0.11176	71.77	71.77	0	24-HR	PHASE2	1ST	6120924	NA		Fenceline
380500	3731500	0.15393	29.47	82.52	0	24-HR	PHASE2	1ST	6100724	NA		Fenceline
381000	3731500	0.1196	17.59	17.59	0	24-HR	PHASE2	1ST	7040124	NA		Fenceline
381500	3731500	0.0929	0	0	0	24-HR	PHASE2	1ST	6120924	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact		Type
382000	3731500	0.14772	3.51	3.51		0	24-HR	PHASE2	1ST	7011124	NA		Fenceline
383500	3731500	0.25879	0	0		0	24-HR	PHASE2	1ST	6112524	NA		Fenceline
384000	3731500	0.22662	0	0		0	24-HR	PHASE2	1ST	7022124	NA		Fenceline
380000	3732000	0.07866	73.87	73.87		0	24-HR	PHASE2	1ST	7012724	NA		Fenceline
380500	3732000	0.13113	27.22	77.81		0	24-HR	PHASE2	1ST	6120924		0.13	ALBS
381000	3732000	0.19633	16.13	16.13		0	24-HR	PHASE2	1ST	6100724	NA		Fenceline
381500	3732000	0.17813	0	0		0	24-HR	PHASE2	1ST	7040124	NA		Fenceline
382000	3732000	0.19149	0.55	0.55		0	24-HR	PHASE2	1ST	7011124	NA		Overwater
383500	3732000	0.37377	0	0		0	24-HR	PHASE2	1ST	6120524	NA		Overwater
384000	3732000	0.313	0	0		0	24-HR	PHASE2	1ST	7013124	NA		Overwater
380000	3732500	0.08975	38.04	71.03		0	24-HR	PHASE2	1ST	7083124	NA		Overwater
380500	3732500	0.09932	24.78	24.78		0	24-HR	PHASE2	1ST	7083124	NA		Overwater
381000	3732500	0.18551	19.77	19.77		0	24-HR	PHASE2	1ST	6110924	NA		Overwater
381500	3732500	0.31425	5.02	5.02		0	24-HR	PHASE2	1ST	6120924	NA		Overwater
382000	3732500	0.37255	3.99	3.99		0	24-HR	PHASE2	1ST	7040124	NA		Overwater
382500	3732500	0.40147	3.77	3.77		0	24-HR	PHASE2	1ST	6120724	NA		Overwater
383500	3732500	0.61963	0	0		0	24-HR	PHASE2	1ST	7013124	NA		Overwater
384000	3732500	0.33526	0	0		0	24-HR	PHASE2	1ST	6101124	NA		Overwater
384500	3732500	0.25043	0	0		0	24-HR	PHASE2	1ST	6103124	NA		FENCEINT
385000	3732500	0.11385	0	0		0	24-HR	PHASE2	1ST	6103124	NA		FENCEINT
380000	3733000	0.0962	41.49	41.49		0	24-HR	PHASE2	1ST	7020724	NA		FENCEINT
380500	3733000	0.11513	29.88	29.88		0	24-HR	PHASE2	1ST	7041024	NA		FENCEINT
381000	3733000	0.1813	22.72	22.72		0	24-HR	PHASE2	1ST	7041024	NA		FENCEINT
381500	3733000	0.26606	9.54	19.88		0	24-HR	PHASE2	1ST	6110324	NA		FENCEINT
382500	3733000	1.89117	3.3	3.3		0	24-HR	PHASE2	1ST	6120924	NA		FENCEINT
385000	3733000	0.11443	0	0		0	24-HR	PHASE2	1ST	7020124	NA		Overwater
380000	3733500	0.07694	44.62	44.62		0	24-HR	PHASE2	1ST	6101324			
380500	3733500	0.10227	31.94	31.94		0	24-HR	PHASE2	1ST	6100924			
381000	3733500	0.15418	21.59	21.59		0	24-HR	PHASE2	1ST	6100924			
381500	3733500	0.2999	11.3	15		0	24-HR	PHASE2	1ST	6121524			
382500	3733500	1.14044	0	0		0	24-HR	PHASE2	1ST	7032324			
383000	3733500	0.75891	3.52	3.52		0	24-HR	PHASE2	1ST	7011924			
385000	3733500	0.12461	0	0		0	24-HR	PHASE2	1ST	6092724			
380000	3734000	0.10767	51.87	51.87		0	24-HR	PHASE2	1ST	6121524			
380500	3734000	0.18628	24.85	24.85		0	24-HR	PHASE2	1ST	6121524			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3734000	0.17955	22.4	25.46		0	24-HR	PHASE2	1ST	6121524		
381500	3734000	0.19246	6.51	6.51		0	24-HR	PHASE2	1ST	7031024		
382500	3734000	0.21686	2.1	2.1		0	24-HR	PHASE2	1ST	7040724		
383000	3734000	0.35244	3.12	3.12		0	24-HR	PHASE2	1ST	7042724		
385500	3734000	0.06028	4.35	4.35		0	24-HR	PHASE2	1ST	7020624		
386000	3734000	0.04226	4.26	4.26		0	24-HR	PHASE2	1ST	7020624		
386500	3734000	0.03785	0	4.73		0	24-HR	PHASE2	1ST	6092724		
389500	3734000	0.0245	0.36	5.34		0	24-HR	PHASE2	1ST	6092724		
390000	3734000	0.02199	5.65	5.65		0	24-HR	PHASE2	1ST	6092724		
380000	3734500	0.05826	52.15	373.72		0	24-HR	PHASE2	1ST	7012724		
380500	3734500	0.08326	38.93	38.93		0	24-HR	PHASE2	1ST	6111924		
381000	3734500	0.10348	25.57	25.57		0	24-HR	PHASE2	1ST	7031024		
381500	3734500	0.09126	6.99	22.38		0	24-HR	PHASE2	1ST	7070524		
382500	3734500	0.12195	4.33	4.33		0	24-HR	PHASE2	1ST	6102224		
383000	3734500	0.23829	5.88	5.88		0	24-HR	PHASE2	1ST	6121624		
383500	3734500	0.11515	6.89	6.89		0	24-HR	PHASE2	1ST	6101624		
387500	3734500	0.02862	1.6	4.97		0	24-HR	PHASE2	1ST	7020624		
388500	3734500	0.01757	5.3	5.3		0	24-HR	PHASE2	1ST	7020724		
389000	3734500	0.01763	5.32	5.32		0	24-HR	PHASE2	1ST	6092724		
389500	3734500	0.0186	5.18	5.18		0	24-HR	PHASE2	1ST	6092724		
380000	3735000	0.06881	45.14	373.72		0	24-HR	PHASE2	1ST	6111924		
380500	3735000	0.0713	35.32	35.32		0	24-HR	PHASE2	1ST	6090524		
381000	3735000	0.05397	7.52	34.18		0	24-HR	PHASE2	1ST	7070524		
381500	3735000	0.07181	4.67	4.67		0	24-HR	PHASE2	1ST	6091324		
382000	3735000	0.09065	3.19	3.19		0	24-HR	PHASE2	1ST	6102324		
383000	3735000	0.15996	4.88	4.88		0	24-HR	PHASE2	1ST	6121624		
383500	3735000	0.09924	3.69	3.69		0	24-HR	PHASE2	1ST	6092124		
384000	3735000	0.06274	3.03	3.03		0	24-HR	PHASE2	1ST	7082624		
384500	3735000	0.04387	0	0		0	24-HR	PHASE2	1ST	7082624		
388000	3735000	0.02184	3.94	3.94		0	24-HR	PHASE2	1ST	7020624		
388500	3735000	0.02213	4.98	4.98		0	24-HR	PHASE2	1ST	7020624		
389000	3735000	0.02051	5.06	5.06		0	24-HR	PHASE2	1ST	7020624		
389500	3735000	0.01745	4.31	4.31		0	24-HR	PHASE2	1ST	7020624		
390000	3735000	0.01426	4.38	4.38		0	24-HR	PHASE2	1ST	7020624		
380000	3735500	0.0494	30.5	373.72		0	24-HR	PHASE2	1ST	6090524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380500	3735500	0.0349	3.67	33.03		0	24-HR	PHASE2	1ST	7031024		
381000	3735500	0.04897	0	0		0	24-HR	PHASE2	1ST	7021824		
382500	3735500	0.06951	0	0		0	24-HR	PHASE2	1ST	6102224		
383500	3735500	0.08693	2.61	2.61		0	24-HR	PHASE2	1ST	7042724		
384000	3735500	0.0625	2.28	2.28		0	24-HR	PHASE2	1ST	7060224		
384500	3735500	0.04787	3.39	3.39		0	24-HR	PHASE2	1ST	7082624		
385000	3735500	0.03095	3.66	3.66		0	24-HR	PHASE2	1ST	7082624		
385500	3735500	0.02456	2.3	2.3		0	24-HR	PHASE2	1ST	7022524		
386000	3735500	0.02491	2.31	2.31		0	24-HR	PHASE2	1ST	7022524		
387000	3735500	0.03018	6.53	6.53		0	24-HR	PHASE2	1ST	7030624		
388500	3735500	0.01363	3.87	3.87		0	24-HR	PHASE2	1ST	6101724		
389000	3735500	0.01351	5.03	5.03		0	24-HR	PHASE2	1ST	6101724		
380000	3736000	0.02867	12.29	373.72		0	24-HR	PHASE2	1ST	7032624		
380500	3736000	0.04171	16.9	21.04		0	24-HR	PHASE2	1ST	7021824		
381000	3736000	0.05403	16.9	43.94		0	24-HR	PHASE2	1ST	6091324		
381500	3736000	0.05848	7.73	21.95		0	24-HR	PHASE2	1ST	6102324		
382500	3736000	0.05547	3.06	3.06		0	24-HR	PHASE2	1ST	6102224		
383000	3736000	0.08036	2.67	2.67		0	24-HR	PHASE2	1ST	6121624		
384000	3736000	0.05409	2.27	2.27		0	24-HR	PHASE2	1ST	6092124		
384500	3736000	0.03298	2.32	2.32		0	24-HR	PHASE2	1ST	6101624		
385000	3736000	0.03703	2.3	2.3		0	24-HR	PHASE2	1ST	7082624		
385500	3736000	0.02329	-0.55	-0.55		0	24-HR	PHASE2	1ST	7082624		
386000	3736000	0.01692	-0.58	-0.58		0	24-HR	PHASE2	1ST	7022524		
386500	3736000	0.01994	-1.1	3.82		0	24-HR	PHASE2	1ST	7022524		
387000	3736000	0.01862	5.34	5.34		0	24-HR	PHASE2	1ST	7011924		
387500	3736000	0.01788	3.86	3.86		0	24-HR	PHASE2	1ST	7030624		
388000	3736000	0.02207	5.09	5.09		0	24-HR	PHASE2	1ST	7030624		
388500	3736000	0.02081	2.79	2.79		0	24-HR	PHASE2	1ST	7030624		
389500	3736000	0.01113	1.3	1.3		0	24-HR	PHASE2	1ST	7030624		
390000	3736000	0.01033	0.04	0.04		0	24-HR	PHASE2	1ST	6101724		
380000	3736500	0.03148	15.44	15.44		0	24-HR	PHASE2	1ST	7070524		
380500	3736500	0.03465	12.59	43.42		0	24-HR	PHASE2	1ST	7081924		
381000	3736500	0.04334	29.2	30.72		0	24-HR	PHASE2	1ST	6102324		
381500	3736500	0.04458	15.82	15.82		0	24-HR	PHASE2	1ST	7030724		
382500	3736500	0.04562	3.68	3.68		0	24-HR	PHASE2	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3736500	0.05885	3.19	3.19		0	24-HR	PHASE2	1ST	6121624		
383500	3736500	0.05611	3	3		0	24-HR	PHASE2	1ST	6121624		
385000	3736500	0.02547	0.21	0.21		0	24-HR	PHASE2	1ST	7011924		
385500	3736500	0.0293	-1.36	-1.36		0	24-HR	PHASE2	1ST	7082624		
386000	3736500	0.01829	-3.5	-3.5		0	24-HR	PHASE2	1ST	7082624		
386500	3736500	0.01203	-4.71	-4.71		0	24-HR	PHASE2	1ST	7022524		
387000	3736500	0.01567	0	0		0	24-HR	PHASE2	1ST	7022524		
387500	3736500	0.01502	4.22	4.22		0	24-HR	PHASE2	1ST	7022524		
388000	3736500	0.01475	5.29	5.29		0	24-HR	PHASE2	1ST	7011924		
389000	3736500	0.01832	6.29	6.29		0	24-HR	PHASE2	1ST	7030624		
389500	3736500	0.01681	4.51	4.51		0	24-HR	PHASE2	1ST	7030624		
390000	3736500	0.01387	3.76	3.76		0	24-HR	PHASE2	1ST	7030624		
380000	3737000	0.03292	27.15	48.84		0	24-HR	PHASE2	1ST	7021824		
380500	3737000	0.04131	32.25	39.5		0	24-HR	PHASE2	1ST	6091324		
381000	3737000	0.04762	33.33	33.33		0	24-HR	PHASE2	1ST	6102324		
381500	3737000	0.02696	4.62	13.99		0	24-HR	PHASE2	1ST	7030724		
382000	3737000	0.02446	3.6	3.6		0	24-HR	PHASE2	1ST	7071224		
382500	3737000	0.03839	4	4		0	24-HR	PHASE2	1ST	6102224		
383000	3737000	0.04414	3.8	3.8		0	24-HR	PHASE2	1ST	6121624		
383500	3737000	0.05169	3.43	3.43		0	24-HR	PHASE2	1ST	6121624		
384000	3737000	0.04116	2.81	2.81		0	24-HR	PHASE2	1ST	7042724		
384500	3737000	0.03554	0	0		0	24-HR	PHASE2	1ST	6092124		
385000	3737000	0.02689	-0.32	-0.32		0	24-HR	PHASE2	1ST	7060224		
385500	3737000	0.02075	0	0		0	24-HR	PHASE2	1ST	7011924		
387500	3737000	0.01227	3.2	3.2		0	24-HR	PHASE2	1ST	7022524		
388000	3737000	0.01319	5.15	5.15		0	24-HR	PHASE2	1ST	7022524		
389000	3737000	0.01302	7.39	7.39		0	24-HR	PHASE2	1ST	7011924		
389500	3737000	0.01305	9.04	9.04		0	24-HR	PHASE2	1ST	7030624		
390000	3737000	0.01575	10.53	10.53		0	24-HR	PHASE2	1ST	7030624		
380000	3737500	0.02816	18.28	69.94		0	24-HR	PHASE2	1ST	6091324		
380500	3737500	0.03097	41.6	41.6		0	24-HR	PHASE2	1ST	7032024		
381000	3737500	0.03487	27.72	30.56		0	24-HR	PHASE2	1ST	7011024		
381500	3737500	0.02407	7.86	7.86		0	24-HR	PHASE2	1ST	7040724		
382000	3737500	0.02242	5.82	5.82		0	24-HR	PHASE2	1ST	7071224		
382500	3737500	0.0332	5.02	5.02		0	24-HR	PHASE2	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3737500	0.03792	4.46	4.46		0	24-HR	PHASE2	1ST	6091924		
383500	3737500	0.04609	4.11	4.11		0	24-HR	PHASE2	1ST	6121624		
384000	3737500	0.03309	2.41	2.41		0	24-HR	PHASE2	1ST	7021224		
385000	3737500	0.02893	-0.53	-0.53		0	24-HR	PHASE2	1ST	7050224		
385500	3737500	0.0177	-0.52	-0.52		0	24-HR	PHASE2	1ST	6091424		
386000	3737500	0.01895	-0.35	2.9		0	24-HR	PHASE2	1ST	7082624		
386500	3737500	0.01959	-0.42	-0.42		0	24-HR	PHASE2	1ST	7082624		
387000	3737500	0.0123	0	0		0	24-HR	PHASE2	1ST	7082624		
387500	3737500	0.00662	2.3	2.3		0	24-HR	PHASE2	1ST	7022524		
388000	3737500	0.00966	2.3	2.3		0	24-HR	PHASE2	1ST	7022524		
389000	3737500	0.01157	7.29	7.29		0	24-HR	PHASE2	1ST	7022524		
389500	3737500	0.01178	10.22	10.22		0	24-HR	PHASE2	1ST	7011924		
390000	3737500	0.01125	11.13	11.13		0	24-HR	PHASE2	1ST	7011924		
380000	3738000	0.02389	8.3	54.22		0	24-HR	PHASE2	1ST	6091324		
380500	3738000	0.03314	22.71	51.38		0	24-HR	PHASE2	1ST	6102324		
381000	3738000	0.0252	11.77	11.77		0	24-HR	PHASE2	1ST	7030724		
381500	3738000	0.01975	11.75	11.75		0	24-HR	PHASE2	1ST	7081424		
382000	3738000	0.01941	8.85	8.85		0	24-HR	PHASE2	1ST	7071224		
382500	3738000	0.03049	7.05	7.05		0	24-HR	PHASE2	1ST	6102224		
383000	3738000	0.03482	5.59	5.59		0	24-HR	PHASE2	1ST	6091924		
383500	3738000	0.04026	4.74	4.74		0	24-HR	PHASE2	1ST	6121624		
384000	3738000	0.02786	3.76	3.76		0	24-HR	PHASE2	1ST	7021224		
384500	3738000	0.03268	2.99	2.99		0	24-HR	PHASE2	1ST	7042724		
385000	3738000	0.02578	2.3	2.3		0	24-HR	PHASE2	1ST	6092124		
385500	3738000	0.02188	2.49	2.49		0	24-HR	PHASE2	1ST	7060224		
386000	3738000	0.01481	2.01	2.01		0	24-HR	PHASE2	1ST	7011924		
386500	3738000	0.01712	-0.42	-0.42		0	24-HR	PHASE2	1ST	7082624		
387000	3738000	0.01647	1.04	1.04		0	24-HR	PHASE2	1ST	7082624		
387500	3738000	0.01041	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
388000	3738000	0.00557	3	3		0	24-HR	PHASE2	1ST	6112724		
389000	3738000	0.01053	9.61	9.61		0	24-HR	PHASE2	1ST	7022524		
389500	3738000	0.01128	11.44	11.44		0	24-HR	PHASE2	1ST	7022524		
390000	3738000	0.00971	11.91	11.91		0	24-HR	PHASE2	1ST	7011924		
380000	3738500	0.02128	20.48	20.48		0	24-HR	PHASE2	1ST	6102324		
380500	3738500	0.02194	2.74	2.74		0	24-HR	PHASE2	1ST	6102324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3738500	0.01719	4.42	4.42		0	24-HR	PHASE2	1ST	7030724		
381500	3738500	0.01727	11.47	11.47		0	24-HR	PHASE2	1ST	7081424		
382000	3738500	0.01526	6.91	6.91		0	24-HR	PHASE2	1ST	7071224		
382500	3738500	0.02787	10.09	10.09		0	24-HR	PHASE2	1ST	6102224		
383000	3738500	0.03192	8.61	8.61		0	24-HR	PHASE2	1ST	6091924		
383500	3738500	0.04068	7.41	7.41		0	24-HR	PHASE2	1ST	6121624		
384000	3738500	0.02792	5.99	5.99		0	24-HR	PHASE2	1ST	6121624		
384500	3738500	0.02462	4.8	4.8		0	24-HR	PHASE2	1ST	7042724		
385000	3738500	0.02477	4	4		0	24-HR	PHASE2	1ST	7042724		
385500	3738500	0.02216	2.69	2.69		0	24-HR	PHASE2	1ST	7050224		
386000	3738500	0.01484	2.91	2.91		0	24-HR	PHASE2	1ST	7060224		
386500	3738500	0.01318	1.96	1.96		0	24-HR	PHASE2	1ST	7011924		
387000	3738500	0.01533	4.4	4.4		0	24-HR	PHASE2	1ST	7082624		
387500	3738500	0.01402	2.3	2.3		0	24-HR	PHASE2	1ST	7082624		
388000	3738500	0.00894	2.31	2.31		0	24-HR	PHASE2	1ST	7082624		
389000	3738500	0.0061	4.26	4.26		0	24-HR	PHASE2	1ST	7022524		
389500	3738500	0.00872	11.29	11.29		0	24-HR	PHASE2	1ST	7022524		
390000	3738500	0.0101	12.35	12.35		0	24-HR	PHASE2	1ST	7022524		
380000	3739000	0.02283	12.37	12.37		0	24-HR	PHASE2	1ST	6102324		
380500	3739000	0.01883	9.37	13.25		0	24-HR	PHASE2	1ST	7030724		
381000	3739000	0.01753	10.44	10.44		0	24-HR	PHASE2	1ST	7040724		
381500	3739000	0.0165	12.57	12.57		0	24-HR	PHASE2	1ST	7071224		
382000	3739000	0.01251	7.3	7.3		0	24-HR	PHASE2	1ST	7071224		
382500	3739000	0.02538	12.03	12.03		0	24-HR	PHASE2	1ST	6102224		
383000	3739000	0.02951	12.24	12.24		0	24-HR	PHASE2	1ST	6091924		
383500	3739000	0.03659	10.37	10.37		0	24-HR	PHASE2	1ST	6121624		
384000	3739000	0.02817	9.05	9.05		0	24-HR	PHASE2	1ST	6121624		
384500	3739000	0.02133	7.63	7.63		0	24-HR	PHASE2	1ST	7021224		
385000	3739000	0.02818	6.93	6.93		0	24-HR	PHASE2	1ST	7042724		
385500	3739000	0.02282	6.85	6.85		0	24-HR	PHASE2	1ST	6092124		
386000	3739000	0.01789	3.82	3.82		0	24-HR	PHASE2	1ST	7060224		
386500	3739000	0.01161	3.52	3.52		0	24-HR	PHASE2	1ST	6091424		
387000	3739000	0.01158	2.6	2.6		0	24-HR	PHASE2	1ST	7011924		
387500	3739000	0.01374	2.6	2.6		0	24-HR	PHASE2	1ST	7082624		
388000	3739000	0.01208	3.21	3.21		0	24-HR	PHASE2	1ST	7082624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389000	3739000	0.00444	4.7	4.7		0	24-HR	PHASE2	1ST	6112724		
389500	3739000	0.00491	4.86	4.86		0	24-HR	PHASE2	1ST	7022524		
390000	3739000	0.00703	10.57	10.57		0	24-HR	PHASE2	1ST	7022524		
380000	3739500	0.02104	15.39	15.39		0	24-HR	PHASE2	1ST	6102324		
380500	3739500	0.01592	6.37	6.37		0	24-HR	PHASE2	1ST	7030724		
381000	3739500	0.01262	4.86	4.86		0	24-HR	PHASE2	1ST	7040724		
381500	3739500	0.01438	8.91	8.91		0	24-HR	PHASE2	1ST	7071224		
382000	3739500	0.01047	11.42	11.42		0	24-HR	PHASE2	1ST	7071224		
382500	3739500	0.02249	10.38	10.38		0	24-HR	PHASE2	1ST	6102224		
383000	3739500	0.02646	12.33	12.33		0	24-HR	PHASE2	1ST	6091924		
383500	3739500	0.03196	12.9	12.9		0	24-HR	PHASE2	1ST	6121624		
384000	3739500	0.02826	10.87	10.87		0	24-HR	PHASE2	1ST	6121624		
384500	3739500	0.01856	10.72	10.72		0	24-HR	PHASE2	1ST	7021224		
385000	3739500	0.02452	9.96	9.96		0	24-HR	PHASE2	1ST	7042724		
385500	3739500	0.02121	9.91	9.91		0	24-HR	PHASE2	1ST	6110324		
386000	3739500	0.01769	4	7.13		0	24-HR	PHASE2	1ST	7050224		
386500	3739500	0.01341	4.61	4.61		0	24-HR	PHASE2	1ST	7060224		
387000	3739500	0.00995	3.52	3.52		0	24-HR	PHASE2	1ST	7011924		
387500	3739500	0.01054	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
388000	3739500	0.0123	3.52	3.52		0	24-HR	PHASE2	1ST	7082624		
388500	3739500	0.01052	0.66	0.66		0	24-HR	PHASE2	1ST	7082624		
389000	3739500	0.00683	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
389500	3739500	0.00402	4.33	4.33		0	24-HR	PHASE2	1ST	6112724		
390000	3739500	0.00389	9.29	9.29		0	24-HR	PHASE2	1ST	6101524		
380000	3740000	0.01705	18.55	18.55		0	24-HR	PHASE2	1ST	7011024		
380500	3740000	0.01583	18.06	18.06		0	24-HR	PHASE2	1ST	7040724		
381000	3740000	0.01175	9.93	9.93		0	24-HR	PHASE2	1ST	7081424		
381500	3740000	0.0136	11.37	11.37		0	24-HR	PHASE2	1ST	7071224		
382000	3740000	0.00846	12.27	12.27		0	24-HR	PHASE2	1ST	7071224		
382500	3740000	0.02081	12.33	12.33		0	24-HR	PHASE2	1ST	6102224		
383000	3740000	0.02354	11.13	11.13		0	24-HR	PHASE2	1ST	6091924		
383500	3740000	0.02632	11.03	11.03		0	24-HR	PHASE2	1ST	6121624		
384000	3740000	0.02804	12.74	12.74		0	24-HR	PHASE2	1ST	6121624		
384500	3740000	0.017	9.76	9.76		0	24-HR	PHASE2	1ST	7021224		
385000	3740000	0.01734	12.27	12.27		0	24-HR	PHASE2	1ST	7042724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
385500	3740000	0.0226	9.31	9.31		0	24-HR	PHASE2	1ST	7042724		
386000	3740000	0.01839	6.96	6.96		0	24-HR	PHASE2	1ST	6092124		
386500	3740000	0.01721	8.03	8.03		0	24-HR	PHASE2	1ST	7060224		
387000	3740000	0.00991	4.73	4.73		0	24-HR	PHASE2	1ST	6091424		
387500	3740000	0.00926	4.43	4.43		0	24-HR	PHASE2	1ST	7011924		
388000	3740000	0.01003	4.6	4.6		0	24-HR	PHASE2	1ST	7082624		
388500	3740000	0.01106	1.83	1.83		0	24-HR	PHASE2	1ST	7082624		
389000	3740000	0.00924	4.73	4.73		0	24-HR	PHASE2	1ST	7082624		
389500	3740000	0.00604	4.73	4.73		0	24-HR	PHASE2	1ST	7082624		
390000	3740000	0.00426	8.37	8.37		0	24-HR	PHASE2	1ST	6112724		
380000	3740500	0.01591	20.5	20.5		0	24-HR	PHASE2	1ST	7030724		
380500	3740500	0.01422	16	16		0	24-HR	PHASE2	1ST	7040724		
381000	3740500	0.01076	9.65	9.65		0	24-HR	PHASE2	1ST	7081424		
381500	3740500	0.01224	11.98	11.98		0	24-HR	PHASE2	1ST	7071224		
382000	3740500	0.00854	8.35	8.35		0	24-HR	PHASE2	1ST	6102224		
382500	3740500	0.01923	13.55	13.55		0	24-HR	PHASE2	1ST	6102224		
383000	3740500	0.02187	13.9	13.9		0	24-HR	PHASE2	1ST	6091924		
383500	3740500	0.02233	12.95	12.95		0	24-HR	PHASE2	1ST	6121624		
384000	3740500	0.02719	13.52	13.52		0	24-HR	PHASE2	1ST	6121624		
384500	3740500	0.01594	12.34	12.34		0	24-HR	PHASE2	1ST	7021224		
385000	3740500	0.0143	10.45	10.45		0	24-HR	PHASE2	1ST	7021224		
385500	3740500	0.02177	11.44	11.44		0	24-HR	PHASE2	1ST	7042724		
386000	3740500	0.01751	10	10		0	24-HR	PHASE2	1ST	6110324		
386500	3740500	0.01698	9.37	9.37		0	24-HR	PHASE2	1ST	7050224		
387000	3740500	0.01211	5.34	5.34		0	24-HR	PHASE2	1ST	7060224		
387500	3740500	0.00856	5.35	5.35		0	24-HR	PHASE2	1ST	6091424		
388000	3740500	0.00874	5.34	5.34		0	24-HR	PHASE2	1ST	7011924		
388500	3740500	0.00947	2.23	2.23		0	24-HR	PHASE2	1ST	7082624		
389000	3740500	0.01007	5.16	5.16		0	24-HR	PHASE2	1ST	7082624		
389500	3740500	0.00825	5.34	5.34		0	24-HR	PHASE2	1ST	7082624		
390000	3740500	0.00535	7.02	7.02		0	24-HR	PHASE2	1ST	7082624		
380250	3730750	0.0529	78.14	94.94		0	24-HR	PHASE2	1ST	7040124		
380750	3730750	0.06492	22.19	94.94		0	24-HR	PHASE2	1ST	7042224		
380250	3731250	0.12082	52.15	94.94		0	24-HR	PHASE2	1ST	6100724		
380750	3731250	0.09803	20.89	94.94		0	24-HR	PHASE2	1ST	7040124		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3731250	0.20275	0	0	0	24-HR	PHASE2	1ST	6112524			
384250	3731250	0.19956	0	0	0	24-HR	PHASE2	1ST	7022124			
380250	3731750	0.11951	67.12	74.61	0	24-HR	PHASE2	1ST	6120924			
380750	3731750	0.17755	21.72	74.03	0	24-HR	PHASE2	1ST	6100724			
381250	3731750	0.13585	4.66	16.27	0	24-HR	PHASE2	1ST	7040124			
381750	3731750	0.113	0	0	0	24-HR	PHASE2	1ST	7031324			
382250	3731750	0.14078	3.75	3.75	0	24-HR	PHASE2	1ST	7072624			
383750	3731750	0.27659	0	0	0	24-HR	PHASE2	1ST	6120524			
384250	3731750	0.24201	0	0	0	24-HR	PHASE2	1ST	7013124			
380250	3732250	0.11452	32	74.91	0	24-HR	PHASE2	1ST	6110924			
380750	3732250	0.13562	20.96	20.96	0	24-HR	PHASE2	1ST	7082924			
381250	3732250	0.22309	4.64	4.64	0	24-HR	PHASE2	1ST	6120924			
381750	3732250	0.24689	2.02	2.02	0	24-HR	PHASE2	1ST	7040124			
382750	3732250	0.49099	3.77	3.77	0	24-HR	PHASE2	1ST	6120624			
383750	3732250	0.42467	0	0	0	24-HR	PHASE2	1ST	7013124			
384250	3732250	0.24577	0	0	0	24-HR	PHASE2	1ST	6101124			
384750	3732250	0.1838	0	0	0	24-HR	PHASE2	1ST	6103124			
380250	3732750	0.11075	30.48	30.48	0	24-HR	PHASE2	1ST	6110324			
380750	3732750	0.1456	24.07	24.07	0	24-HR	PHASE2	1ST	7082824			
381250	3732750	0.17863	18.04	18.04	0	24-HR	PHASE2	1ST	7083124			
381750	3732750	0.36054	1.44	1.44	0	24-HR	PHASE2	1ST	6120924			
384250	3732750	0.19369	0	0	0	24-HR	PHASE2	1ST	6103124			
384750	3732750	0.13213	0	0	0	24-HR	PHASE2	1ST	7020124			
385250	3732750	0.09161	0	0	0	24-HR	PHASE2	1ST	6101024			
380250	3733250	0.15976	37.3	37.3	0	24-HR	PHASE2	1ST	7020724			
380750	3733250	0.22611	26.06	26.06	0	24-HR	PHASE2	1ST	7020724			
381250	3733250	0.33707	23.5	23.5	0	24-HR	PHASE2	1ST	7020724			
382250	3733250	1.42634	1.84	1.84	0	24-HR	PHASE2	1ST	7020724			
382750	3733250	8.00903	0.95	0.95	0	24-HR	PHASE2	1ST	7020124			
380250	3733750	0.08582	32.62	32.62	0	24-HR	PHASE2	1ST	6100924			
380750	3733750	0.17212	28.98	28.98	0	24-HR	PHASE2	1ST	6121524			
381250	3733750	0.31796	12.11	12.11	0	24-HR	PHASE2	1ST	6121524			
382250	3733750	0.36004	2.8	2.8	0	24-HR	PHASE2	1ST	7021824			
382750	3733750	0.89052	2.5	2.5	0	24-HR	PHASE2	1ST	6121624			
388750	3733750	0.0283	4.54	4.54	0	24-HR	PHASE2	1ST	6092724			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3733750	0.02449	5.34	5.34		0	24-HR	PHASE2	1ST	6092724		
389750	3733750	0.02155	4.33	4.33		0	24-HR	PHASE2	1ST	6092724		
380250	3734250	0.11142	45.4	45.4		0	24-HR	PHASE2	1ST	6121524		
380750	3734250	0.09688	27.65	27.65		0	24-HR	PHASE2	1ST	6121524		
381250	3734250	0.14554	15.29	15.29		0	24-HR	PHASE2	1ST	7031024		
381750	3734250	0.11689	3.06	3.06		0	24-HR	PHASE2	1ST	7070524		
382250	3734250	0.21144	2.56	2.56		0	24-HR	PHASE2	1ST	6102324		
382750	3734250	0.31346	2.75	2.75		0	24-HR	PHASE2	1ST	6121624		
383250	3734250	0.19483	2.59	2.59		0	24-HR	PHASE2	1ST	7050224		
384750	3734250	0.08384	0	0		0	24-HR	PHASE2	1ST	7030624		
386750	3734250	0.03461	4.89	4.89		0	24-HR	PHASE2	1ST	7020624		
387250	3734250	0.02518	0.82	5.37		0	24-HR	PHASE2	1ST	7020724		
388750	3734250	0.02543	3.31	3.31		0	24-HR	PHASE2	1ST	6092724		
389750	3734250	0.02414	5.41	5.41		0	24-HR	PHASE2	1ST	6092724		
380250	3734750	0.08111	38.97	38.97		0	24-HR	PHASE2	1ST	6111924		
380750	3734750	0.08424	26.84	30.68		0	24-HR	PHASE2	1ST	6090524		
381250	3734750	0.07458	14.59	26.52		0	24-HR	PHASE2	1ST	7070524		
381750	3734750	0.09913	2.96	2.96		0	24-HR	PHASE2	1ST	6091324		
382750	3734750	0.16197	4.12	4.12		0	24-HR	PHASE2	1ST	6091924		
383250	3734750	0.16745	6.97	6.97		0	24-HR	PHASE2	1ST	7042724		
383750	3734750	0.07532	3.95	3.95		0	24-HR	PHASE2	1ST	7011924		
384750	3734750	0.04528	3.71	3.71		0	24-HR	PHASE2	1ST	7022524		
387750	3734750	0.02722	5.34	5.34		0	24-HR	PHASE2	1ST	7020624		
388750	3734750	0.01982	5.06	5.06		0	24-HR	PHASE2	1ST	7020624		
389250	3734750	0.01575	5.13	5.13		0	24-HR	PHASE2	1ST	7020724		
389750	3734750	0.013	4.9	4.9		0	24-HR	PHASE2	1ST	7042324		
380250	3735250	0.05408	12.04	373.72		0	24-HR	PHASE2	1ST	7031024		
380750	3735250	0.04138	3.97	35.87		0	24-HR	PHASE2	1ST	7031024		
381250	3735250	0.05755	4.49	4.49		0	24-HR	PHASE2	1ST	7021824		
381750	3735250	0.08425	3.43	3.43		0	24-HR	PHASE2	1ST	6102324		
383250	3735250	0.10015	3.44	3.44		0	24-HR	PHASE2	1ST	6121624		
383750	3735250	0.08094	2.36	2.36		0	24-HR	PHASE2	1ST	7050224		
384250	3735250	0.05479	3.04	3.04		0	24-HR	PHASE2	1ST	7082624		
384750	3735250	0.03647	3.81	3.81		0	24-HR	PHASE2	1ST	7082624		
385250	3735250	0.02995	3.34	3.34		0	24-HR	PHASE2	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388250	3735250	0.01576	3.26	3.26		0	24-HR	PHASE2	1ST	6101724		
388750	3735250	0.01872	6.45	6.45		0	24-HR	PHASE2	1ST	7020624		
389250	3735250	0.01854	4.87	4.87		0	24-HR	PHASE2	1ST	7020624		
389750	3735250	0.01749	0	0		0	24-HR	PHASE2	1ST	7020624		
380250	3735750	0.03007	5.23	373.72		0	24-HR	PHASE2	1ST	7031024		
380750	3735750	0.04118	4.82	43.94		0	24-HR	PHASE2	1ST	7021824		
381250	3735750	0.05101	3.97	3.97		0	24-HR	PHASE2	1ST	6091324		
382250	3735750	0.04217	3.19	3.19		0	24-HR	PHASE2	1ST	7071224		
382750	3735750	0.08047	2.94	2.94		0	24-HR	PHASE2	1ST	6091924		
383750	3735750	0.07294	2.58	2.58		0	24-HR	PHASE2	1ST	7042724		
384250	3735750	0.04589	2.39	2.39		0	24-HR	PHASE2	1ST	7060224		
384750	3735750	0.04201	2.29	2.29		0	24-HR	PHASE2	1ST	7082624		
385250	3735750	0.02668	2.3	2.3		0	24-HR	PHASE2	1ST	7082624		
385750	3735750	0.02031	2.3	2.3		0	24-HR	PHASE2	1ST	7022524		
386250	3735750	0.02238	-0.1	-0.1		0	24-HR	PHASE2	1ST	7022524		
386750	3735750	0.02115	5.34	5.34		0	24-HR	PHASE2	1ST	7011924		
387750	3735750	0.02496	3.82	3.82		0	24-HR	PHASE2	1ST	7030624		
388250	3735750	0.02091	2.21	5.34		0	24-HR	PHASE2	1ST	7030624		
388750	3735750	0.01459	2.31	2.31		0	24-HR	PHASE2	1ST	7030624		
380250	3736250	0.0311	7.03	7.03		0	24-HR	PHASE2	1ST	7021824		
380750	3736250	0.04884	42.32	42.32		0	24-HR	PHASE2	1ST	7081924		
381250	3736250	0.05992	24.37	24.37		0	24-HR	PHASE2	1ST	6102324		
381750	3736250	0.03617	3.2	3.2		0	24-HR	PHASE2	1ST	7030724		
382250	3736250	0.03161	2.92	2.92		0	24-HR	PHASE2	1ST	7071224		
382750	3736250	0.062	0	0		0	24-HR	PHASE2	1ST	6091924		
383250	3736250	0.07525	2.89	2.89		0	24-HR	PHASE2	1ST	6121624		
384250	3736250	0.04735	2.39	2.39		0	24-HR	PHASE2	1ST	7050224		
384750	3736250	0.02798	2.29	2.29		0	24-HR	PHASE2	1ST	7011924		
385250	3736250	0.03284	0.12	0.12		0	24-HR	PHASE2	1ST	7082624		
385750	3736250	0.02054	-2.04	-2.04		0	24-HR	PHASE2	1ST	7082624		
386250	3736250	0.01421	-3.42	-3.42		0	24-HR	PHASE2	1ST	7022524		
386750	3736250	0.0177	4.76	4.76		0	24-HR	PHASE2	1ST	7022524		
387250	3736250	0.01596	3.77	3.77		0	24-HR	PHASE2	1ST	7011924		
387750	3736250	0.01577	4.27	4.27		0	24-HR	PHASE2	1ST	7011924		
388250	3736250	0.01838	4.03	4.03		0	24-HR	PHASE2	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3736250	0.01704	2.61	2.61		0	24-HR	PHASE2	1ST	7030624		
389750	3736250	0.01277	1.83	1.83		0	24-HR	PHASE2	1ST	7030624		
380250	3736750	0.02941	9.28	42.6		0	24-HR	PHASE2	1ST	7021824		
380750	3736750	0.0426	36.63	36.63		0	24-HR	PHASE2	1ST	6091324		
381250	3736750	0.04449	23.32	23.32		0	24-HR	PHASE2	1ST	6102324		
382750	3736750	0.0495	3.5	3.5		0	24-HR	PHASE2	1ST	6091924		
383250	3736750	0.06168	0.71	0.71		0	24-HR	PHASE2	1ST	6121624		
383750	3736750	0.04415	3.2	3.2		0	24-HR	PHASE2	1ST	7021224		
384750	3736750	0.03372	0.55	0.55		0	24-HR	PHASE2	1ST	7060224		
386250	3736750	0.01641	-3.88	-3.88		0	24-HR	PHASE2	1ST	7082624		
386750	3736750	0.0103	-0.85	2.3		0	24-HR	PHASE2	1ST	7022524		
387250	3736750	0.01387	2.83	2.83		0	24-HR	PHASE2	1ST	7022524		
387750	3736750	0.01543	6.36	6.36		0	24-HR	PHASE2	1ST	7022524		
388250	3736750	0.01439	6.47	16.61		0	24-HR	PHASE2	1ST	7011924		
388750	3736750	0.01228	3.23	3.23		0	24-HR	PHASE2	1ST	7011924		
389250	3736750	0.01503	3.25	6.42		0	24-HR	PHASE2	1ST	7030624		
389750	3736750	0.01718	8.65	8.65		0	24-HR	PHASE2	1ST	7030624		
380250	3737250	0.03144	13.05	55.06		0	24-HR	PHASE2	1ST	6091324		
380750	3737250	0.0407	38.12	38.12		0	24-HR	PHASE2	1ST	6102324		
381250	3737250	0.03223	12.41	12.41		0	24-HR	PHASE2	1ST	7030724		
381750	3737250	0.02033	3.92	3.92		0	24-HR	PHASE2	1ST	7071224		
382250	3737250	0.02158	4.11	4.11		0	24-HR	PHASE2	1ST	6102224		
382750	3737250	0.04061	4.11	4.11		0	24-HR	PHASE2	1ST	6091924		
383250	3737250	0.0501	3.8	3.8		0	24-HR	PHASE2	1ST	6121624		
383750	3737250	0.03829	2.64	2.64		0	24-HR	PHASE2	1ST	6121624		
384250	3737250	0.04147	1.54	1.54		0	24-HR	PHASE2	1ST	7042724		
384750	3737250	0.0323	-0.56	-0.56		0	24-HR	PHASE2	1ST	6092124		
385250	3737250	0.02078	1.34	4.35		0	24-HR	PHASE2	1ST	7060224		
385750	3737250	0.01985	-0.61	-0.61		0	24-HR	PHASE2	1ST	7082624		
386250	3737250	0.02152	-0.17	-0.17		0	24-HR	PHASE2	1ST	7082624		
387250	3737250	0.0076	-0.26	-0.26		0	24-HR	PHASE2	1ST	7022524		
388250	3737250	0.012	3.53	3.53		0	24-HR	PHASE2	1ST	7022524		
388750	3737250	0.01099	5.3	5.3		0	24-HR	PHASE2	1ST	7022524		
389250	3737250	0.01249	8.7	8.7		0	24-HR	PHASE2	1ST	7011924		
389750	3737250	0.01128	10.22	10.22		0	24-HR	PHASE2	1ST	7011924		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380250	3737750	0.02721	21.44	51.38		0	24-HR	PHASE2	1ST	6091324		
380750	3737750	0.03616	33.52	33.52		0	24-HR	PHASE2	1ST	6102324		
381250	3737750	0.02402	9.47	9.47		0	24-HR	PHASE2	1ST	7040724		
381750	3737750	0.02162	8.54	8.54		0	24-HR	PHASE2	1ST	7071224		
382250	3737750	0.01999	6.34	6.34		0	24-HR	PHASE2	1ST	6102224		
382750	3737750	0.03539	5.63	5.63		0	24-HR	PHASE2	1ST	6091924		
383250	3737750	0.04071	4.72	4.72		0	24-HR	PHASE2	1ST	6121624		
383750	3737750	0.037	4.12	4.12		0	24-HR	PHASE2	1ST	6121624		
384250	3737750	0.0312	2.6	2.6		0	24-HR	PHASE2	1ST	7042724		
385250	3737750	0.02542	0.24	0.24		0	24-HR	PHASE2	1ST	7060224		
385750	3737750	0.01557	0	0		0	24-HR	PHASE2	1ST	7011924		
386250	3737750	0.01802	-0.19	-0.19		0	24-HR	PHASE2	1ST	7082624		
386750	3737750	0.01793	0.3	0.3		0	24-HR	PHASE2	1ST	7082624		
387250	3737750	0.01129	3.76	3.76		0	24-HR	PHASE2	1ST	7082624		
388250	3737750	0.00858	2.22	2.22		0	24-HR	PHASE2	1ST	7022524		
388750	3737750	0.01024	5.25	10.59		0	24-HR	PHASE2	1ST	7022524		
389250	3737750	0.01163	10.03	10.03		0	24-HR	PHASE2	1ST	7022524		
389750	3737750	0.01085	11.44	11.44		0	24-HR	PHASE2	1ST	7011924		
380250	3738250	0.02493	9.09	9.09		0	24-HR	PHASE2	1ST	6102324		
380750	3738250	0.02379	12.49	12.49		0	24-HR	PHASE2	1ST	7011024		
381250	3738250	0.01916	5.83	5.83		0	24-HR	PHASE2	1ST	7040724		
381750	3738250	0.02062	11.99	11.99		0	24-HR	PHASE2	1ST	7071224		
382250	3738250	0.0187	9.61	9.61		0	24-HR	PHASE2	1ST	6102224		
382750	3738250	0.0308	8.06	8.06		0	24-HR	PHASE2	1ST	6091924		
383250	3738250	0.03711	6.56	6.56		0	24-HR	PHASE2	1ST	6121624		
383750	3738250	0.03476	3.83	3.83		0	24-HR	PHASE2	1ST	6121624		
384250	3738250	0.02599	3.83	3.83		0	24-HR	PHASE2	1ST	7021224		
384750	3738250	0.02997	3.23	3.23		0	24-HR	PHASE2	1ST	7042724		
385250	3738250	0.02397	2.58	2.58		0	24-HR	PHASE2	1ST	6092124		
385750	3738250	0.01822	2.3	2.3		0	24-HR	PHASE2	1ST	7060224		
386250	3738250	0.01401	2.32	2.32		0	24-HR	PHASE2	1ST	7011924		
386750	3738250	0.0162	0	0		0	24-HR	PHASE2	1ST	7082624		
387250	3738250	0.01517	1.69	1.69		0	24-HR	PHASE2	1ST	7082624		
387750	3738250	0.00964	1.99	1.99		0	24-HR	PHASE2	1ST	7082624		
388250	3738250	0.00523	4.28	4.28		0	24-HR	PHASE2	1ST	6112724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388750	3738250	0.00684	4.29	4.29		0	24-HR	PHASE2	1ST	7022524		
389250	3738250	0.00952	9.61	9.61		0	24-HR	PHASE2	1ST	7022524		
389750	3738250	0.01087	12.84	12.84		0	24-HR	PHASE2	1ST	7022524		
380250	3738750	0.02157	2.58	2.58		0	24-HR	PHASE2	1ST	6102324		
380750	3738750	0.02038	11.09	11.09		0	24-HR	PHASE2	1ST	7030724		
381250	3738750	0.01628	9.72	9.72		0	24-HR	PHASE2	1ST	7040724		
381750	3738750	0.01636	6.82	6.82		0	24-HR	PHASE2	1ST	7071224		
382250	3738750	0.01754	9.06	9.06		0	24-HR	PHASE2	1ST	6102224		
382750	3738750	0.02784	11.18	11.18		0	24-HR	PHASE2	1ST	6102224		
383250	3738750	0.03056	9.28	9.28		0	24-HR	PHASE2	1ST	6121624		
383750	3738750	0.03653	8.47	8.47		0	24-HR	PHASE2	1ST	6121624		
384250	3738750	0.02316	7.06	7.06		0	24-HR	PHASE2	1ST	7021224		
384750	3738750	0.0284	5.46	5.46		0	24-HR	PHASE2	1ST	7042724		
385250	3738750	0.02345	5.47	5.47		0	24-HR	PHASE2	1ST	6110324		
385750	3738750	0.01984	3.81	3.81		0	24-HR	PHASE2	1ST	7050224		
386250	3738750	0.01286	3.42	3.42		0	24-HR	PHASE2	1ST	6091424		
386750	3738750	0.01237	2.61	2.61		0	24-HR	PHASE2	1ST	7011924		
387250	3738750	0.01451	2.01	2.01		0	24-HR	PHASE2	1ST	7082624		
387750	3738750	0.01299	2.6	2.6		0	24-HR	PHASE2	1ST	7082624		
388250	3738750	0.00832	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
388750	3738750	0.00467	3.53	3.53		0	24-HR	PHASE2	1ST	6112724		
389250	3738750	0.00537	7.77	7.77		0	24-HR	PHASE2	1ST	7022524		
389750	3738750	0.00781	11	11		0	24-HR	PHASE2	1ST	7022524		
380250	3739250	0.01855	7.07	7.07		0	24-HR	PHASE2	1ST	6102324		
380750	3739250	0.01634	8.95	13.8		0	24-HR	PHASE2	1ST	7040724		
381250	3739250	0.01385	9.47	10.47		0	24-HR	PHASE2	1ST	7081424		
381750	3739250	0.01531	11.32	11.32		0	24-HR	PHASE2	1ST	7071224		
382250	3739250	0.01645	9.38	9.38		0	24-HR	PHASE2	1ST	6102224		
382750	3739250	0.0251	12.12	12.12		0	24-HR	PHASE2	1ST	6102224		
383250	3739250	0.02473	12.94	12.94		0	24-HR	PHASE2	1ST	6121624		
383750	3739250	0.0352	11.45	11.45		0	24-HR	PHASE2	1ST	6121624		
384250	3739250	0.02059	9.63	9.63		0	24-HR	PHASE2	1ST	7021224		
384750	3739250	0.02096	8.47	8.47		0	24-HR	PHASE2	1ST	7042724		
385250	3739250	0.02485	8.37	8.37		0	24-HR	PHASE2	1ST	7042724		
385750	3739250	0.01875	3.31	3.31		0	24-HR	PHASE2	1ST	6092124		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
386250	3739250	0.01567	4.7	4.7		0	24-HR	PHASE2	1ST	7060224		
386750	3739250	0.01039	3.59	3.59		0	24-HR	PHASE2	1ST	6091424		
387250	3739250	0.01083	3.21	3.21		0	24-HR	PHASE2	1ST	7011924		
387750	3739250	0.013	3.49	3.49		0	24-HR	PHASE2	1ST	7082624		
388250	3739250	0.01125	3.28	3.28		0	24-HR	PHASE2	1ST	7082624		
388750	3739250	0.00727	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
389250	3739250	0.00422	3.52	3.52		0	24-HR	PHASE2	1ST	6112724		
389750	3739250	0.00444	4.87	4.87		0	24-HR	PHASE2	1ST	7022524		
380250	3739750	0.01722	14.79	14.79		0	24-HR	PHASE2	1ST	7030724		
380750	3739750	0.01521	11.06	11.06		0	24-HR	PHASE2	1ST	7040724		
381250	3739750	0.01197	7.58	7.58		0	24-HR	PHASE2	1ST	7071224		
381750	3739750	0.01287	10.66	10.66		0	24-HR	PHASE2	1ST	7071224		
382250	3739750	0.01549	11.2	11.2		0	24-HR	PHASE2	1ST	6102224		
382750	3739750	0.02234	11.12	11.12		0	24-HR	PHASE2	1ST	6102224		
383250	3739750	0.02141	11.73	11.73		0	24-HR	PHASE2	1ST	6091924		
383750	3739750	0.03219	11.55	11.55		0	24-HR	PHASE2	1ST	6121624		
384250	3739750	0.02047	14.83	14.83		0	24-HR	PHASE2	1ST	6121624		
384750	3739750	0.01685	12.34	12.34		0	24-HR	PHASE2	1ST	7021224		
385250	3739750	0.02545	11.42	11.42		0	24-HR	PHASE2	1ST	7042724		
385750	3739750	0.0202	10.26	10.26		0	24-HR	PHASE2	1ST	6110324		
386250	3739750	0.01627	4.15	4.15		0	24-HR	PHASE2	1ST	7050224		
386750	3739750	0.01127	3.97	3.97		0	24-HR	PHASE2	1ST	7060224		
387250	3739750	0.00962	4.04	4.04		0	24-HR	PHASE2	1ST	7011924		
387750	3739750	0.01029	4.12	4.12		0	24-HR	PHASE2	1ST	7082624		
388250	3739750	0.01166	4.56	4.56		0	24-HR	PHASE2	1ST	7082624		
388750	3739750	0.00985	3.91	3.91		0	24-HR	PHASE2	1ST	7082624		
389250	3739750	0.00643	5.34	5.34		0	24-HR	PHASE2	1ST	7082624		
389750	3739750	0.00384	4.73	4.73		0	24-HR	PHASE2	1ST	6112724		
380250	3740250	0.0159	19.22	19.22		0	24-HR	PHASE2	1ST	7030724		
380750	3740250	0.0111	4.92	4.92		0	24-HR	PHASE2	1ST	7040724		
381250	3740250	0.01237	11.48	11.48		0	24-HR	PHASE2	1ST	7071224		
381750	3740250	0.01086	10.54	10.54		0	24-HR	PHASE2	1ST	7071224		
382250	3740250	0.01465	12.98	12.98		0	24-HR	PHASE2	1ST	6102224		
382750	3740250	0.02069	13.04	13.04		0	24-HR	PHASE2	1ST	6102224		
383250	3740250	0.02031	12.34	12.34		0	24-HR	PHASE2	1ST	6091924		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3740250	0.02878	11.35	11.35		0	24-HR	PHASE2	1ST	6121624		
384250	3740250	0.02157	9.8	9.8		0	24-HR	PHASE2	1ST	6121624		
384750	3740250	0.01533	10.43	10.43		0	24-HR	PHASE2	1ST	7021224		
385250	3740250	0.02075	12.64	12.64		0	24-HR	PHASE2	1ST	7042724		
385750	3740250	0.01852	8.32	8.32		0	24-HR	PHASE2	1ST	7042724		
386250	3740250	0.01982	13.92	13.92		0	24-HR	PHASE2	1ST	6092124		
386750	3740250	0.01498	6.23	6.23		0	24-HR	PHASE2	1ST	7060224		
387250	3740250	0.00935	5.02	5.02		0	24-HR	PHASE2	1ST	6091424		
387750	3740250	0.00912	5.04	5.04		0	24-HR	PHASE2	1ST	7011924		
388250	3740250	0.00985	5.15	5.15		0	24-HR	PHASE2	1ST	7082624		
388750	3740250	0.01048	4.83	4.83		0	24-HR	PHASE2	1ST	7082624		
389250	3740250	0.00869	4.97	4.97		0	24-HR	PHASE2	1ST	7082624		
389750	3740250	0.00568	5.85	5.85		0	24-HR	PHASE2	1ST	7082624		
380943	3732793.3	0.16641	22.15	22.15		0	24-HR	PHASE2	1ST	7082824		
378621.2	3733740	0.0336	101.65	373.72		0	24-HR	PHASE2	1ST	6101424		
391058.2	3738305	0.00936	10.86	10.86		0	24-HR	PHASE2	1ST	7011924		
379351.1	3732777.1	0.06644	70.95	70.95		0	24-HR	PHASE2	1ST	7041024		
380242.3	3730668.6	0.05502	70.57	94.94		0	24-HR	PHASE2	1ST	7040124		
389528.4	3738426.5	0.0094	11.41	11.41		0	24-HR	PHASE2	1ST	7022524		
383175	3739671.2	0.02349	11.85	11.85		0	24-HR	PHASE2	1ST	6091924		
379739.8	3734599.4	0.05167	59.52	373.72		0	24-HR	PHASE2	1ST	7012724		
382892.9	3737859.8	0.03717	5.49	5.49		0	24-HR	PHASE2	1ST	6091924		
380760.5	3734596.8	0.08663	31.21	31.21		0	24-HR	PHASE2	1ST	6111924		
388845.2	3741561.7	0.00834	6.84	6.84		0	24-HR	PHASE2	1ST	7011924		
392188.9	3737397.5	0.00968	15.1	15.1		0	24-HR	PHASE2	1ST	7030624		
390304.5	3740132.3	0.00384	7.78	7.78		0	24-HR	PHASE2	1ST	6112724		
380234.3	3733594.6	0.09353	37.36	37.36		0	24-HR	PHASE2	1ST	6100924		
389617.7	3740764.5	0.00884	5.72	5.72		0	24-HR	PHASE2	1ST	7082624		
388821.7	3736846.6	0.01214	4.94	4.94		0	24-HR	PHASE2	1ST	7011924		
378729.2	3735826.2	0.03932	79.06	373.72		0	24-HR	PHASE2	1ST	6111924		
392176.5	3737528.9	0.011	14.66	14.66		0	24-HR	PHASE2	1ST	7030624		
391519.4	3738728.9	0.00814	8.69	8.69		0	24-HR	PHASE2	1ST	7011924		
378520.6	3734954.5	0.03789	119.25	373.72		0	24-HR	PHASE2	1ST	6121524		
387523.5	3742271.2	0.01228	7.78	7.78		0	24-HR	PHASE2	1ST	7050224		
388829.2	3737595.9	0.01157	5.58	5.58		0	24-HR	PHASE2	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387049.2	3740394.5	0.01108	5.12	5.12		0	24-HR	PHASE2	1ST	7060224		
378457.3	3739235	0.01799	35.41	35.41		0	24-HR	PHASE2	1ST	7021824		
383341.7	3739482	0.02631	12.64	12.64		0	24-HR	PHASE2	1ST	6121624		
389704.5	3738119	0.01102	12.33	12.33		0	24-HR	PHASE2	1ST	7022524		
390259.9	3738029.7	0.01009	11.44	11.44		0	24-HR	PHASE2	1ST	7011924		
378589.5	3739658.1	0.01734	27.42	27.42		0	24-HR	PHASE2	1ST	7081924		
391031	3737481.8	0.01376	12.66	12.66		0	24-HR	PHASE2	1ST	7030624		
382857.6	3739199.9	0.02723	12.64	12.64		0	24-HR	PHASE2	1ST	6091924		
389468.9	3738689.3	0.00698	11.41	11.41		0	24-HR	PHASE2	1ST	7022524		
382259.9	3738901.8	0.01763	10.85	10.85		0	24-HR	PHASE2	1ST	6102224		
379441	3739816.8	0.01784	22.55	22.55		0	24-HR	PHASE2	1ST	6102324		
380758.1	3735144.9	0.05278	9.71	35.87		0	24-HR	PHASE2	1ST	7031024		
381915.1	3737786	0.02176	8	8		0	24-HR	PHASE2	1ST	7071224		
384457.4	3739171	0.02033	8.61	8.61		0	24-HR	PHASE2	1ST	7021224		
389615.2	3740856.3	0.00915	6.28	6.28		0	24-HR	PHASE2	1ST	7082624		
379411.9	3734390.5	0.08798	87.44	373.72		0	24-HR	PHASE2	1ST	6121524		
379840.3	3736717.6	0.02977	18.95	44.45		0	24-HR	PHASE2	1ST	7070524		
389766.5	3741238.1	0.00922	6.56	6.56		0	24-HR	PHASE2	1ST	7082624		
387804.4	3740178.1	0.00906	4.97	4.97		0	24-HR	PHASE2	1ST	7011924		
391544.2	3739100.9	0.00704	6.56	6.56		0	24-HR	PHASE2	1ST	7022524		
388023.1	3741842.7	0.00876	7.17	7.17		0	24-HR	PHASE2	1ST	6091424		
387334.7	3739738.3	0.00981	3.82	3.82		0	24-HR	PHASE2	1ST	7011924		
389315.2	3740551.3	0.00925	5.34	5.34		0	24-HR	PHASE2	1ST	7082624		
379597	3732177.2	0.04683	80.02	80.02		0	24-HR	PHASE2	1ST	7083124		
390287.1	3737712.4	0.01084	11.74	11.74		0	24-HR	PHASE2	1ST	7011924		
379487.2	3738824	0.02321	24.02	37.86		0	24-HR	PHASE2	1ST	6091324		
386832.8	3739478.2	0.01029	3.52	3.52		0	24-HR	PHASE2	1ST	6091424		
391373.1	3739661.2	0.00678	6.26	6.26		0	24-HR	PHASE2	1ST	7022524		
380094.3	3733560.1	0.08004	41.28	41.28		0	24-HR	PHASE2	1ST	6100924		
380034.3	3733611.3	0.08196	42.93	42.93		0	24-HR	PHASE2	1ST	6100924		
376978.3	3735459	0.02513	266.18	373.72		0	24-HR	PHASE2	1ST	6121524		
377412.5	3735208.8	0.03191	233.89	373.72		0	24-HR	PHASE2	1ST	6121524		
380379.1	3739963	0.01626	17.31	17.31		0	24-HR	PHASE2	1ST	7030724		
389954.9	3741654.7	0.00995	14.8	14.8		0	24-HR	PHASE2	1ST	7082624		
382067.6	3739797.2	0.01016	10.87	10.87		0	24-HR	PHASE2	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379359	3735318.7	0.05059	69.74	373.72		0	24-HR	PHASE2	1ST	6111924		
383091.7	3739584.6	0.02531	12.03	12.03		0	24-HR	PHASE2	1ST	6091924		
390433.4	3738875.2	0.00888	10.53	10.53		0	24-HR	PHASE2	1ST	7022524		
380541	3730995.2	0.08146	25.8	94.94		0	24-HR	PHASE2	1ST	7040124		
380128.5	3732833	0.10234	34.38	34.38		0	24-HR	PHASE2	1ST	7041024		
378266.9	3736789	0.02745	76.12	373.72		0	24-HR	PHASE2	1ST	6090524		
389186.3	3738602.5	0.0062	9.52	9.52		0	24-HR	PHASE2	1ST	7022524		
389875.6	3737846.3	0.0105	11.74	11.74		0	24-HR	PHASE2	1ST	7011924		
379674	3738169.4	0.02793	37.73	49.69		0	24-HR	PHASE2	1ST	6091324		
390240	3738860.4	0.00873	11.14	11.14		0	24-HR	PHASE2	1ST	7022524		
390711.1	3737434.7	0.01337	12.35	12.35		0	24-HR	PHASE2	1ST	7030624		
382505	3738119.5	0.02996	7.74	7.74		0	24-HR	PHASE2	1ST	6102224		
379779.5	3732772.2	0.08097	54.7	54.7		0	24-HR	PHASE2	1ST	7041024		
387235.7	3740097.5	0.00906	4.73	4.73		0	24-HR	PHASE2	1ST	6091424		
391516.9	3740229	0.00512	23.5	109.11		0	24-HR	PHASE2	1ST	7022524		
390617.8	3737565	0.01119	12.28	12.28		0	24-HR	PHASE2	1ST	7030624		
387500.5	3740353.1	0.00832	5.34	5.34		0	24-HR	PHASE2	1ST	6091424		
390378.9	3737447.1	0.0115	11.74	11.74		0	24-HR	PHASE2	1ST	7030624		
379901.1	3736326.2	0.03287	22.1	22.1		0	24-HR	PHASE2	1ST	7070524		
389704.5	3738416.5	0.01009	12.33	12.33		0	24-HR	PHASE2	1ST	7022524		
378829.5	3733698.3	0.03797	92.42	373.72		0	24-HR	PHASE2	1ST	6101424		
381707.2	3738367.6	0.01993	12.07	12.07		0	24-HR	PHASE2	1ST	7071224		
378917.4	3731270.2	0.05064	75.36	105.86		0	24-HR	PHASE2	1ST	7082924		
378789.4	3734119.1	0.03032	91.96	373.72		0	24-HR	PHASE2	1ST	7051024		
387208.7	3741389.4	0.01317	6.26	6.26		0	24-HR	PHASE2	1ST	7060224		
382154.1	3740139.4	0.0122	13.01	13.01		0	24-HR	PHASE2	1ST	6102224		
384710.7	3738921	0.02516	6.88	6.88		0	24-HR	PHASE2	1ST	7042724		
390000.6	3738411.2	0.01032	12.35	12.35		0	24-HR	PHASE2	1ST	7022524		
390132	3737170.5	0.01419	11.14	11.14		0	24-HR	PHASE2	1ST	7030624		
379075.6	3739043.5	0.01995	25.34	25.34		0	24-HR	PHASE2	1ST	6091324		
390394.9	3739421.1	0.00573	8.7	8.7		0	24-HR	PHASE2	1ST	7022524		
392199.9	3737542.4	0.01098	14.61	14.61		0	24-HR	PHASE2	1ST	7030624		
378548.8	3734737.9	0.05675	121.86	373.72		0	24-HR	PHASE2	1ST	6121524		
391347.1	3738946.6	0.00736	7.91	7.91		0	24-HR	PHASE2	1ST	7022524		
386874.7	3740094.4	0.01169	5.31	5.31		0	24-HR	PHASE2	1ST	7060224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380266.1	3733528.2	0.08745	37.47	37.47		0	24-HR	PHASE2	1ST	6100924		
381344.1	3732781.9	0.19612	16.48	16.48		0	24-HR	PHASE2	1ST	7083124		
391949.8	3737205.8	0.00912	15.4	15.4		0	24-HR	PHASE2	1ST	6111424		
390141.6	3738052.1	0.00971	11.45	11.45		0	24-HR	PHASE2	1ST	7011924		
389106.1	3736840.3	0.01299	7.17	7.17		0	24-HR	PHASE2	1ST	7030624		
389561.4	3740841.4	0.00931	5.99	5.99		0	24-HR	PHASE2	1ST	7082624		
380237.8	3734076.9	0.15932	39.9	43.98		0	24-HR	PHASE2	1ST	6121524		
379774.2	3736712.5	0.03078	20.61	20.61		0	24-HR	PHASE2	1ST	7070524		
393254.7	3738613.2	0.01002	13.88	13.88		0	24-HR	PHASE2	1ST	7030624		
378895.9	3733697	0.03892	89.37	373.72		0	24-HR	PHASE2	1ST	6101424		
380520.2	3733713.4	0.09589	31.48	31.48		0	24-HR	PHASE2	1ST	6100924		
390061.5	3738683.7	0.00933	11.76	11.76		0	24-HR	PHASE2	1ST	7022524		
392405.1	3738225.3	0.01071	10.83	10.83		0	24-HR	PHASE2	1ST	7030624		
388715	3741181.2	0.00878	6.87	6.87		0	24-HR	PHASE2	1ST	7011924		
387750	3740213	0.00921	5.03	5.03		0	24-HR	PHASE2	1ST	7011924		
391645.3	3738331.1	0.00812	10.22	10.22		0	24-HR	PHASE2	1ST	7011924		
378930.6	3731962.4	0.03134	122.85	128.95		0	24-HR	PHASE2	1ST	7083124		
393020.6	3737276.3	0.00741	17.24	17.24		0	24-HR	PHASE2	1ST	6111424		
381906.7	3737805.8	0.02177	8.24	8.24		0	24-HR	PHASE2	1ST	7071224		
392953.3	3738789.5	0.00799	13.67	13.67		0	24-HR	PHASE2	1ST	7030624		
391116.3	3739135.8	0.00794	7.76	7.76		0	24-HR	PHASE2	1ST	7022524		
387586.5	3739498	0.01109	3.82	3.82		0	24-HR	PHASE2	1ST	7082624		
390673.8	3738048.9	0.01009	11.44	11.44		0	24-HR	PHASE2	1ST	7011924		
388804.7	3740956.8	0.0089	6.54	6.54		0	24-HR	PHASE2	1ST	7082624		
379399.6	3739353.5	0.01787	22.42	22.42		0	24-HR	PHASE2	1ST	6091324		
389657.5	3737997.6	0.01099	11.82	11.82		0	24-HR	PHASE2	1ST	7022524		
390019.8	3740174.5	0.00435	8.39	8.39		0	24-HR	PHASE2	1ST	6112724		
390452.6	3740062.3	0.00351	7.48	7.48		0	24-HR	PHASE2	1ST	6112724		
390612.9	3740148.9	0.00331	7.78	7.78		0	24-HR	PHASE2	1ST	6112724		
391318.2	3739251.2	0.00754	6.69	6.69		0	24-HR	PHASE2	1ST	7022524		
390423.8	3741232.5	0.00645	16.72	16.72		0	24-HR	PHASE2	1ST	7082624		
388936.4	3738067.9	0.00977	10.14	10.14		0	24-HR	PHASE2	1ST	7022524		
383053.2	3739398.7	0.0269	12.95	12.95		0	24-HR	PHASE2	1ST	6091924		
391272.9	3739044.7	0.00765	7.43	7.43		0	24-HR	PHASE2	1ST	7022524		
389338	3739052.2	0.00413	3.89	3.89		0	24-HR	PHASE2	1ST	6101524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382232.4	3737625.7	0.01936	5.6	5.6		0	24-HR	PHASE2	1ST	6102224		
379024.1	3734606.9	0.06822	99.15	373.72		0	24-HR	PHASE2	1ST	6121524		
389612.7	3741014.5	0.00937	5.95	5.95		0	24-HR	PHASE2	1ST	7082624		
378645.9	3732426.3	0.04217	128.17	153.43		0	24-HR	PHASE2	1ST	6110324		
388939.4	3742316.1	0.00669	7.71	7.71		0	24-HR	PHASE2	1ST	7011924		
391799.6	3737634.6	0.01298	13.64	13.64		0	24-HR	PHASE2	1ST	7030624		
392286.5	3737192.9	0.0087	15.71	15.71		0	24-HR	PHASE2	1ST	6111424		
389099.7	3739674.4	0.00707	4.65	4.65		0	24-HR	PHASE2	1ST	7082624		
389551.7	3740065.5	0.00604	4.99	4.99		0	24-HR	PHASE2	1ST	7082624		
379261.2	3735411.7	0.049	70.36	373.72		0	24-HR	PHASE2	1ST	6111924		
393495.1	3737276.3	0.00769	19.36	19.36		0	24-HR	PHASE2	1ST	6101724		
389659.2	3738023.1	0.01103	11.9	11.9		0	24-HR	PHASE2	1ST	7022524		
388138.9	3738460.1	0.00714	2.74	2.74		0	24-HR	PHASE2	1ST	7082624		
380464.5	3732913.7	0.12649	29.13	29.13		0	24-HR	PHASE2	1ST	7041024		
389115.7	3741043.3	0.00954	5.95	5.95		0	24-HR	PHASE2	1ST	7082624		
379855.5	3730852.9	0.08558	68.17	68.17		0	24-HR	PHASE2	1ST	6100724		
383617.4	3739732.1	0.03155	11.51	11.51		0	24-HR	PHASE2	1ST	6121624		
387545	3742146.5	0.01214	7.49	7.49		0	24-HR	PHASE2	1ST	7050224		
391613.2	3740245	0.00545	26.03	109.97		0	24-HR	PHASE2	1ST	7022524		
393197	3738674.1	0.00962	14.28	14.28		0	24-HR	PHASE2	1ST	7030624		
390702.7	3739805.8	0.00461	7.78	7.78		0	24-HR	PHASE2	1ST	7022524		
378376	3733474	0.03623	114.36	373.72		0	24-HR	PHASE2	1ST	7020724		
389926.8	3741553.1	0.00992	13.79	13.79		0	24-HR	PHASE2	1ST	7082624		
380553.1	3734292.8	0.08114	36.08	36.08		0	24-HR	PHASE2	1ST	6121524		
391529.8	3738026.5	0.0098	11.14	11.14		0	24-HR	PHASE2	1ST	7030624		
383120.5	3739235.1	0.02661	13.04	13.04		0	24-HR	PHASE2	1ST	6091924		
379979	3739541.5	0.02095	15.69	15.69		0	24-HR	PHASE2	1ST	6102324		
389272.8	3738465.7	0.00787	9.73	9.73		0	24-HR	PHASE2	1ST	7022524		
387532	3739969.3	0.0094	4.43	4.43		0	24-HR	PHASE2	1ST	7011924		
384784.4	3738956.2	0.02663	6.87	6.87		0	24-HR	PHASE2	1ST	7042724		
381516.5	3733913.6	0.21017	6.02	6.02		0	24-HR	PHASE2	1ST	6121524		
390375.7	3737164.1	0.01513	11.74	11.74		0	24-HR	PHASE2	1ST	7030624		
389596.6	3739401.9	0.00381	4.12	4.12		0	24-HR	PHASE2	1ST	6112724		
389615.9	3740559.2	0.00809	5.39	5.39		0	24-HR	PHASE2	1ST	7082624		
390327.6	3737487.9	0.01052	11.74	11.74		0	24-HR	PHASE2	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389538.9	3737491.1	0.01186	10.27	10.27		0	24-HR	PHASE2	1ST	7011924		
382296.6	3738597.2	0.01982	8.93	8.93		0	24-HR	PHASE2	1ST	6102224		
380274	3736110	0.03041	5.05	5.05		0	24-HR	PHASE2	1ST	7070524		
390058.4	3741261	0.00855	9.5	9.5		0	24-HR	PHASE2	1ST	7082624		
381428.5	3733365.1	0.22932	21.07	21.07		0	24-HR	PHASE2	1ST	6101324		
380102.1	3739332.8	0.02165	16.13	16.13		0	24-HR	PHASE2	1ST	6102324		
379221.5	3733695	0.04414	80.54	373.72		0	24-HR	PHASE2	1ST	6100924		
389529.3	3739139.6	0.00426	4.06	4.06		0	24-HR	PHASE2	1ST	7022524		
389618.8	3741131.3	0.00947	6.32	6.32		0	24-HR	PHASE2	1ST	7082624		
378755.1	3738704.2	0.02154	50.79	50.79		0	24-HR	PHASE2	1ST	7021824		
379092.5	3733700.7	0.0408	82.75	373.72		0	24-HR	PHASE2	1ST	6100924		
390247.4	3738196.4	0.00924	11.32	11.32		0	24-HR	PHASE2	1ST	7022524		
389295.3	3739264	0.00415	3.52	3.52		0	24-HR	PHASE2	1ST	6112724		
390433.4	3741174.8	0.00604	17.13	17.13		0	24-HR	PHASE2	1ST	7082624		
390943.1	3737212.2	0.01471	12.79	12.79		0	24-HR	PHASE2	1ST	7030624		
389869.1	3736696	0.01568	3.34	8.7		0	24-HR	PHASE2	1ST	7030624		
392687.2	3736651.1	0.00915	15.71	15.71		0	24-HR	PHASE2	1ST	6101724		
387535.2	3740498.3	0.00927	5.51	5.51		0	24-HR	PHASE2	1ST	6091424		
390529.6	3740129.6	0.00346	7.48	7.48		0	24-HR	PHASE2	1ST	6112724		
391911.4	3737427	0.01166	14.79	14.79		0	24-HR	PHASE2	1ST	7030624		
392219.1	3739411.5	0.0066	9.57	109.97		0	24-HR	PHASE2	1ST	7011924		
391911.4	3737318	0.01061	15.06	15.06		0	24-HR	PHASE2	1ST	7030624		
380525	3733458.9	0.10555	31.03	31.03		0	24-HR	PHASE2	1ST	6101324		
389789	3742236	0.00749	12.01	29.96		0	24-HR	PHASE2	1ST	7011924		
389789	3742287.3	0.00773	13.36	29.96		0	24-HR	PHASE2	1ST	7011924		
392635.9	3737285.9	0.00823	16.1	16.1		0	24-HR	PHASE2	1ST	6111424		
389199.1	3738584.3	0.00642	10.07	10.07		0	24-HR	PHASE2	1ST	7022524		
389728.1	3737853.4	0.01021	11.48	11.48		0	24-HR	PHASE2	1ST	7022524		
378640.7	3732209.2	0.03986	138.69	138.69		0	24-HR	PHASE2	1ST	7082824		
387310.7	3740277.1	0.00913	5.04	5.04		0	24-HR	PHASE2	1ST	6091424		
378901.4	3733937.6	0.04107	87.22	373.72		0	24-HR	PHASE2	1ST	6100924		
390536	3738202.8	0.00957	11.15	11.15		0	24-HR	PHASE2	1ST	7011924		
388634.8	3741521	0.00724	5.2	5.2		0	24-HR	PHASE2	1ST	7011924		
389558.2	3741149.1	0.00956	6.26	6.26		0	24-HR	PHASE2	1ST	7082624		
392126.2	3737295.5	0.00895	15.35	15.35		0	24-HR	PHASE2	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387620.8	3742283.5	0.01195	7.81	7.81		0	24-HR	PHASE2	1ST	7050224		
378928	3733805.8	0.04328	85.01	373.72		0	24-HR	PHASE2	1ST	6100924		
391513.8	3738375.9	0.00856	10.22	10.22		0	24-HR	PHASE2	1ST	7011924		
390555.2	3737978.4	0.01034	11.71	11.71		0	24-HR	PHASE2	1ST	7011924		
393331.6	3736535.7	0.01074	16.31	16.31		0	24-HR	PHASE2	1ST	7020624		
391898.5	3736808.2	0.00843	15.53	15.53		0	24-HR	PHASE2	1ST	6111424		
382060.3	3731032.8	0.08245	3.12	3.12		0	24-HR	PHASE2	1ST	7072624		
387257.5	3734294.4	0.02654	4.69	4.69		0	24-HR	PHASE2	1ST	7020624		
381513.8	3733823.7	0.2826	5.59	5.59		0	24-HR	PHASE2	1ST	6121524		
382523.3	3738145.5	0.03028	7.72	7.72		0	24-HR	PHASE2	1ST	6102224		
387882.5	3738474.4	0.01003	2.3	2.3		0	24-HR	PHASE2	1ST	7082624		
383093	3734361.3	0.22493	3.58	3.58		0	24-HR	PHASE2	1ST	7042724		
379000	3731000	0.07928	41.03	109.46		0	24-HR	PHASE2	1ST	6120924		
379500	3731000	0.07869	60.4	68.78		0	24-HR	PHASE2	1ST	6120924		
379000	3731500	0.04607	104.46	104.46		0	24-HR	PHASE2	1ST	7012724		
379500	3731500	0.05484	79.39	79.39		0	24-HR	PHASE2	1ST	7082924		
379000	3732000	0.03493	113.91	131.71		0	24-HR	PHASE2	1ST	7083124		
379500	3732000	0.06395	82.05	82.05		0	24-HR	PHASE2	1ST	6110924		
379000	3732500	0.05031	108.5	110.72		0	24-HR	PHASE2	1ST	6110324		
379500	3732500	0.06487	73.07	79.99		0	24-HR	PHASE2	1ST	7082824		
379000	3733000	0.06262	81.43	373.72		0	24-HR	PHASE2	1ST	7020724		
379500	3733000	0.07817	60.4	373.72		0	24-HR	PHASE2	1ST	7020724		
379000	3733500	0.04855	82.69	373.72		0	24-HR	PHASE2	1ST	6101324		
379500	3733500	0.06177	62.88	373.72		0	24-HR	PHASE2	1ST	6101324		
379000	3734000	0.03764	82.64	373.72		0	24-HR	PHASE2	1ST	6100924		
379500	3734000	0.04332	74.28	373.72		0	24-HR	PHASE2	1ST	7040324		
379000	3734500	0.07281	100.44	373.72		0	24-HR	PHASE2	1ST	6121524		
379500	3734500	0.07451	82.31	373.72		0	24-HR	PHASE2	1ST	6121524		
379000	3735000	0.02833	92.28	373.72		0	24-HR	PHASE2	1ST	7030724		
379500	3735000	0.03993	65.2	373.72		0	24-HR	PHASE2	1ST	6112124		
379000	3735500	0.04205	80.63	373.72		0	24-HR	PHASE2	1ST	6111924		
379500	3735500	0.04039	55.48	373.72		0	24-HR	PHASE2	1ST	6111924		
379000	3736000	0.03246	58.69	373.72		0	24-HR	PHASE2	1ST	6090524		
379500	3736000	0.03547	26.4	373.72		0	24-HR	PHASE2	1ST	7031024		
379000	3736500	0.02981	36.45	373.72		0	24-HR	PHASE2	1ST	7031024		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379500	3736500	0.02592	23.9	373.72		0	24-HR	PHASE2	1ST	7031924		
379000	3737000	0.02354	42.57	365.37		0	24-HR	PHASE2	1ST	7031924		
379500	3737000	0.03124	39.47	58.35		0	24-HR	PHASE2	1ST	7070524		
379000	3737500	0.02458	74.52	74.52		0	24-HR	PHASE2	1ST	7070524		
379500	3737500	0.02811	69.59	69.59		0	24-HR	PHASE2	1ST	7021824		
379000	3738000	0.02149	76.85	76.85		0	24-HR	PHASE2	1ST	7021824		
379500	3738000	0.0248	42.42	61.98		0	24-HR	PHASE2	1ST	7081924		
379000	3738500	0.02114	59.63	59.63		0	24-HR	PHASE2	1ST	7021824		
379500	3738500	0.0262	38.07	38.34		0	24-HR	PHASE2	1ST	6091324		
379000	3739000	0.02022	29.06	49.95		0	24-HR	PHASE2	1ST	7081924		
379500	3739000	0.02006	17.36	17.36		0	24-HR	PHASE2	1ST	6091324		
379000	3739500	0.02012	25.04	25.04		0	24-HR	PHASE2	1ST	6091324		
379500	3739500	0.01653	21.09	21.09		0	24-HR	PHASE2	1ST	6102324		
379000	3740000	0.01621	22.08	22.08		0	24-HR	PHASE2	1ST	6091324		
379500	3740000	0.01983	22.87	22.87		0	24-HR	PHASE2	1ST	6102324		
379000	3740500	0.01307	17.57	17.57		0	24-HR	PHASE2	1ST	6102324		
379500	3740500	0.01758	15.07	15.07		0	24-HR	PHASE2	1ST	6102324		
390500	3736500	0.01011	1.69	1.69		0	24-HR	PHASE2	1ST	7030624		
391000	3736500	0.00811	4.66	13.27		0	24-HR	PHASE2	1ST	6111424		
390500	3737000	0.01568	11.74	11.74		0	24-HR	PHASE2	1ST	7030624		
391000	3737000	0.0132	12.96	12.96		0	24-HR	PHASE2	1ST	7030624		
390500	3737500	0.01144	12.05	12.05		0	24-HR	PHASE2	1ST	7030624		
391000	3737500	0.01356	12.66	12.66		0	24-HR	PHASE2	1ST	7030624		
390500	3738000	0.01036	11.7	11.7		0	24-HR	PHASE2	1ST	7011924		
391000	3738000	0.00926	11.44	11.44		0	24-HR	PHASE2	1ST	7011924		
390500	3738500	0.00918	10.83	10.83		0	24-HR	PHASE2	1ST	7022524		
391000	3738500	0.00874	10.53	10.53		0	24-HR	PHASE2	1ST	7011924		
390500	3739000	0.00843	10.03	10.03		0	24-HR	PHASE2	1ST	7022524		
391000	3739000	0.00823	8.46	8.46		0	24-HR	PHASE2	1ST	7022524		
390500	3739500	0.00564	8.39	8.39		0	24-HR	PHASE2	1ST	7022524		
391000	3739500	0.00695	7.47	7.47		0	24-HR	PHASE2	1ST	7022524		
390500	3740000	0.00335	7.48	7.48		0	24-HR	PHASE2	1ST	6101524		
391000	3740000	0.0046	7.48	7.48		0	24-HR	PHASE2	1ST	7022524		
390500	3740500	0.0039	8.24	8.24		0	24-HR	PHASE2	1ST	6112724		
391000	3740500	0.00336	18.7	18.7		0	24-HR	PHASE2	1ST	6112724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379250	3730750	0.06403	11.17	107.01		0	24-HR	PHASE2	1ST	6100724		
379750	3730750	0.08931	48.13	94.94		0	24-HR	PHASE2	1ST	6100724		
379250	3731250	0.0597	74.39	101.48		0	24-HR	PHASE2	1ST	6120924		
379750	3731250	0.09444	72.44	72.44		0	24-HR	PHASE2	1ST	6120924		
379250	3731750	0.0638	84.78	128.95		0	24-HR	PHASE2	1ST	6110924		
379750	3731750	0.06851	76.59	76.59		0	24-HR	PHASE2	1ST	7082924		
379250	3732250	0.05656	86.27	133.26		0	24-HR	PHASE2	1ST	7083124		
379750	3732250	0.05592	72.42	72.42		0	24-HR	PHASE2	1ST	7083124		
379250	3732750	0.06324	75.22	372.29		0	24-HR	PHASE2	1ST	7041024		
379750	3732750	0.0775	55.85	55.85		0	24-HR	PHASE2	1ST	7041024		
379250	3733250	0.08646	68.45	373.72		0	24-HR	PHASE2	1ST	7020724		
379750	3733250	0.11802	48.71	373.72		0	24-HR	PHASE2	1ST	7020724		
379250	3733750	0.04925	77.54	373.72		0	24-HR	PHASE2	1ST	6100924		
379750	3733750	0.06806	55.91	373.72		0	24-HR	PHASE2	1ST	6100924		
379250	3734250	0.06755	90.94	373.72		0	24-HR	PHASE2	1ST	6121524		
379750	3734250	0.11696	59.3	373.72		0	24-HR	PHASE2	1ST	6121524		
379250	3734750	0.04083	89.09	373.72		0	24-HR	PHASE2	1ST	7012724		
379750	3734750	0.04515	59.46	373.72		0	24-HR	PHASE2	1ST	6112124		
379250	3735250	0.04071	77.27	373.72		0	24-HR	PHASE2	1ST	6111924		
379750	3735250	0.05541	28.95	373.72		0	24-HR	PHASE2	1ST	6111924		
379250	3735750	0.03276	54.65	373.72		0	24-HR	PHASE2	1ST	6090524		
379750	3735750	0.04123	28.82	373.72		0	24-HR	PHASE2	1ST	6090524		
379250	3736250	0.03246	43.73	373.72		0	24-HR	PHASE2	1ST	7031024		
379750	3736250	0.02926	25.6	373.72		0	24-HR	PHASE2	1ST	7031924		
379250	3736750	0.02537	36.5	373.72		0	24-HR	PHASE2	1ST	7031924		
379750	3736750	0.03102	22.98	22.98		0	24-HR	PHASE2	1ST	7070524		
379250	3737250	0.02788	64.85	64.85		0	24-HR	PHASE2	1ST	7070524		
379750	3737250	0.03173	58.14	58.14		0	24-HR	PHASE2	1ST	7021824		
379250	3737750	0.02608	53.88	78.01		0	24-HR	PHASE2	1ST	7021824		
379750	3737750	0.02505	18.69	75.73		0	24-HR	PHASE2	1ST	7081924		
379250	3738250	0.02052	61.47	68.24		0	24-HR	PHASE2	1ST	7021824		
379750	3738250	0.0279	29.11	49.69		0	24-HR	PHASE2	1ST	6091324		
379250	3738750	0.02326	45.16	45.16		0	24-HR	PHASE2	1ST	7081924		
379750	3738750	0.01983	18.86	18.86		0	24-HR	PHASE2	1ST	7032024		
379250	3739250	0.02054	21.29	21.29		0	24-HR	PHASE2	1ST	6091324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379750	3739250	0.01969	13.02	13.02		0	24-HR	PHASE2	1ST	6102324		
379250	3739750	0.01661	23.67	23.67		0	24-HR	PHASE2	1ST	7032024		
379750	3739750	0.0205	15.39	15.39		0	24-HR	PHASE2	1ST	6102324		
379250	3740250	0.01613	17.24	17.24		0	24-HR	PHASE2	1ST	6102324		
379750	3740250	0.01828	22.41	22.41		0	24-HR	PHASE2	1ST	6102324		
390250	3736750	0.01556	10.11	10.11		0	24-HR	PHASE2	1ST	7030624		
390750	3736750	0.01199	12.22	12.22		0	24-HR	PHASE2	1ST	7030624		
390250	3737250	0.01369	11.55	11.55		0	24-HR	PHASE2	1ST	7030624		
390750	3737250	0.01491	12.35	12.35		0	24-HR	PHASE2	1ST	7030624		
390250	3737750	0.01095	11.73	11.73		0	24-HR	PHASE2	1ST	7011924		
390750	3737750	0.00929	12.05	12.05		0	24-HR	PHASE2	1ST	7011924		
390250	3738250	0.00941	11.15	11.15		0	24-HR	PHASE2	1ST	7022524		
390750	3738250	0.00958	11.14	11.14		0	24-HR	PHASE2	1ST	7011924		
390250	3738750	0.00928	11.44	11.44		0	24-HR	PHASE2	1ST	7022524		
390750	3738750	0.00877	9.91	9.91		0	24-HR	PHASE2	1ST	7022524		
390250	3739250	0.00627	9.6	9.6		0	24-HR	PHASE2	1ST	7022524		
390750	3739250	0.00762	8.39	8.39		0	24-HR	PHASE2	1ST	7022524		
390250	3739750	0.00361	8.39	8.39		0	24-HR	PHASE2	1ST	6101524		
390750	3739750	0.00507	7.71	7.71		0	24-HR	PHASE2	1ST	7022524		
390250	3740250	0.00401	7.45	7.45		0	24-HR	PHASE2	1ST	6112724		
390750	3740250	0.00322	7.82	7.82		0	24-HR	PHASE2	1ST	6112724		
383250	3733750	0.28996	2.18	2.18		0	24-HR	PHASE2	1ST	7011924		
383500	3734000	0.14979	1.63	1.63		0	24-HR	PHASE2	1ST	7011924		
383750	3734250	0.09233	3.1	3.1		0	24-HR	PHASE2	1ST	7082624		
383750	3733750	0.20002	0	0		0	24-HR	PHASE2	1ST	7030624		
383250	3733250	0.98297	2.15	2.15		0	24-HR	PHASE2	1ST	6092724		
383500	3733500	0.28756	0	0		0	24-HR	PHASE2	1ST	7020624		
383750	3733250	0.40823	0	0		0	24-HR	PHASE2	1ST	6092724		
384000	3733500	0.19108	0	0		0	24-HR	PHASE2	1ST	6092724		
382610.9	3733260.9	13.33097	0	0		0	24-HR	PHASE2	1ST	6121524		
382658.1	3733187	12.49766	0	0		0	24-HR	PHASE2	1ST	6122424		
382676.1	3733156.5	12.95138	0	0		0	24-HR	PHASE2	1ST	6120624		
382685	3733141.5	13.24082	0	0		0	24-HR	PHASE2	1ST	6120624		
382673.1	3733100.6	7.35315	0	0		0	24-HR	PHASE2	1ST	6120624		
382637.4	3733087	4.1229	0	0		0	24-HR	PHASE2	1ST	6120724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382602.9	3733074.3	3.20274	0	0	0	24-HR	PHASE2	1ST	7011124			
382602.1	3733051.1	2.80345	0	3.43	0	24-HR	PHASE2	1ST	7011124			
382581.2	3733049.8	2.72836	2.04	2.04	0	24-HR	PHASE2	1ST	7011124			
382572.8	3733069.1	2.92207	2.99	3.17	0	24-HR	PHASE2	1ST	6120924			
382562.2	3733087.9	3.75417	2.92	2.92	0	24-HR	PHASE2	1ST	6120924			
382520.6	3733122.6	5.016	3.16	3.16	0	24-HR	PHASE2	1ST	6120924			
382542	3733133.8	5.98256	3.17	3.17	0	24-HR	PHASE2	1ST	6120924			
382527	3733163.3	6.15018	3.39	3.39	0	24-HR	PHASE2	1ST	6110924			
382499.2	3733148.7	4.58461	3.05	3.05	0	24-HR	PHASE2	1ST	6110924			
382494.4	3733167	4.33311	2.92	2.92	0	24-HR	PHASE2	1ST	6110924			
382489.7	3733185.4	3.69292	3.22	3.22	0	24-HR	PHASE2	1ST	7012824			
382484.6	3733267.6	4.7076	4.28	4.28	0	24-HR	PHASE2	1ST	6121524			
382502.1	3733248.2	4.96986	3.72	3.72	0	24-HR	PHASE2	1ST	6121524			
382553	3733272	9.02373	0.96	2.92	0	24-HR	PHASE2	1ST	6121524			
382560.1	3733276.2	9.57942	0.42	0.42	0	24-HR	PHASE2	1ST	6121524			
382579.7	3733242.7	10.64527	0.37	0.37	0	24-HR	PHASE2	1ST	6121524			
382591.6	3733249.3	11.6172	0.05	0.05	0	24-HR	PHASE2	1ST	6121524			
382588.7	3733254.4	11.44361	0	0	0	24-HR	PHASE2	1ST	6121524			
382598.5	3733259.7	12.48822	0	0	0	24-HR	PHASE2	1ST	6121524			
382602	3733255.4	12.62111	0	0	0	24-HR	PHASE2	1ST	6121524			
382626.6	3733236.3	12.54083	0	0	0	24-HR	PHASE2	1ST	6121524			
382642.4	3733211.6	10.58361	0	0	0	24-HR	PHASE2	1ST	7010424			
382667.1	3733171.7	12.61132	0	0	0	24-HR	PHASE2	1ST	6122424			
382679	3733121	9.85442	0	0	0	24-HR	PHASE2	1ST	6120624			
382655.2	3733093.8	5.37806	0	0	0	24-HR	PHASE2	1ST	6120624			
382620.1	3733080.7	3.53214	0	0	0	24-HR	PHASE2	1ST	7010424			
382541.4	3733105.3	4.57406	3.16	3.16	0	24-HR	PHASE2	1ST	6120924			
382534.5	3733148.5	6.37464	3.25	3.25	0	24-HR	PHASE2	1ST	6120924			
382513.1	3733156	5.26218	3.26	3.26	0	24-HR	PHASE2	1ST	6110924			
382488	3733212.8	4.14321	3.58	3.58	0	24-HR	PHASE2	1ST	7020724			
382486.3	3733240.2	3.9484	3.91	3.91	0	24-HR	PHASE2	1ST	6121524			
382527.6	3733260.1	6.7564	3.23	3.23	0	24-HR	PHASE2	1ST	6121524			
382569.9	3733259.5	10.87572	0.35	2.92	0	24-HR	PHASE2	1ST	6121524			

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:35:31
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 937 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.9	3733112.6	9.30222	0	0	0	24-HR	PHASE3	1ST	7020124		9.30	ALBS
382683.7	3733072.5	13.17485	0	0	0	24-HR	PHASE3	1ST	7013124		13.17	ALBS
382648	3733059	13.20715	0	0	0	24-HR	PHASE3	1ST	7022124		13.21	ALBS
382613.2	3733046.2	13.08504	0	0	0	24-HR	PHASE3	1ST	6120524		13.09	ALBS
382583	3733019.9	11.26739	1.81	1.81	0	24-HR	PHASE3	1ST	6120624		11.27	ALBS
382553.7	3733037.9	10.61347	3.46	3.46	0	24-HR	PHASE3	1ST	6120624		10.61	ALBS
382536.1	3733073.2	10.25246	3.18	3.18	0	24-HR	PHASE3	1ST	6120624		10.25	ALBS
382501.4	3733099.5	11.90874	3.16	3.16	0	24-HR	PHASE3	1ST	6120924		11.91	ALBS
382483.4	3733121.6	19.42284	3.21	3.21	0	24-HR	PHASE3	1ST	6120924		19.42	ALBS
382470.2	3733141	18.7815	3.16	3.16	0	24-HR	PHASE3	1ST	6110924		18.78	ALBS
382460.6	3733178	16.55964	3.66	3.66	0	24-HR	PHASE3	1ST	7020724		16.56	ALBS
382458	3733211	18.89017	4.16	4.16	0	24-HR	PHASE3	1ST	6121524		18.89	ALBS
382456.3	3733238.4	15.10385	4.61	4.61	0	24-HR	PHASE3	1ST	6121524		15.10	ALBS
382454.7	3733265.8	8.72014	5.12	5.12	0	24-HR	PHASE3	1ST	6121524		8.72	ALBS
382489.9	3733291.5	6.71029	4.49	4.49	0	24-HR	PHASE3	1ST	6102324		6.71	ALBS
382518.4	3733301.2	6.31882	2.67	2.67	0	24-HR	PHASE3	1ST	7040524	NA		Overwater
382683.7	3733072.5	13.17485	0	0	0	24-HR	PHASE3	1ST	7013124	NA		Overwater
382648	3733059	13.20715	0	0	0	24-HR	PHASE3	1ST	7022124	NA		Overwater
380000	3730500	0.08346	43.34	94.94	0	24-HR	PHASE3	1ST	7040124	NA		Overwater
380500	3730500	0.07368	44.54	94.94	0	24-HR	PHASE3	1ST	7042224	NA		Overwater
381000	3730500	0.06956	5.88	94.4	0	24-HR	PHASE3	1ST	7031324	NA		Overwater
380000	3731000	0.11936	78.71	87.19	0	24-HR	PHASE3	1ST	6100724	NA		Fenceline
380500	3731000	0.11423	29.84	94.94	0	24-HR	PHASE3	1ST	7040124	NA		Fenceline
381000	3731000	0.0876	5.69	94.94	0	24-HR	PHASE3	1ST	6120924		0.09	ALBS
382000	3731000	0.10968	1.95	1.95	0	24-HR	PHASE3	1ST	7072624	NA		Fenceline
380000	3731500	0.16125	71.77	71.77	0	24-HR	PHASE3	1ST	6120924	NA		Fenceline
380500	3731500	0.22325	29.47	82.52	0	24-HR	PHASE3	1ST	6100724	NA		Fenceline
381000	3731500	0.16121	17.59	17.59	0	24-HR	PHASE3	1ST	7040124	NA		Fenceline
381500	3731500	0.12869	0	0	0	24-HR	PHASE3	1ST	6120924	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact		Type
382000	3731500	0.18446	3.51	3.51		0	24-HR	PHASE3	1ST	7011124	NA		Fenceline
383500	3731500	0.33894	0	0		0	24-HR	PHASE3	1ST	6112524	NA		Fenceline
384000	3731500	0.36695	0	0		0	24-HR	PHASE3	1ST	7022124	NA		Fenceline
380000	3732000	0.11392	73.87	73.87		0	24-HR	PHASE3	1ST	7012724	NA		Fenceline
380500	3732000	0.20732	27.22	77.81		0	24-HR	PHASE3	1ST	6120924		0.21	ALBS
381000	3732000	0.31341	16.13	16.13		0	24-HR	PHASE3	1ST	6100724	NA		Fenceline
381500	3732000	0.23586	0	0		0	24-HR	PHASE3	1ST	7040124	NA		Fenceline
382000	3732000	0.33204	0.55	0.55		0	24-HR	PHASE3	1ST	7011124	NA		Overwater
383500	3732000	0.5682	0	0		0	24-HR	PHASE3	1ST	7022124	NA		Overwater
384000	3732000	0.36887	0	0		0	24-HR	PHASE3	1ST	7010324	NA		Overwater
380000	3732500	0.13287	38.04	71.03		0	24-HR	PHASE3	1ST	7082824	NA		Overwater
380500	3732500	0.15104	24.78	24.78		0	24-HR	PHASE3	1ST	7083124	NA		Overwater
381000	3732500	0.2831	19.77	19.77		0	24-HR	PHASE3	1ST	6110924	NA		Overwater
381500	3732500	0.48985	5.02	5.02		0	24-HR	PHASE3	1ST	6120924	NA		Overwater
382000	3732500	0.46591	3.99	3.99		0	24-HR	PHASE3	1ST	7040124	NA		Overwater
382500	3732500	0.6371	3.77	3.77		0	24-HR	PHASE3	1ST	6122324	NA		Overwater
383500	3732500	0.5577	0	0		0	24-HR	PHASE3	1ST	7013124	NA		Overwater
384000	3732500	0.41481	0	0		0	24-HR	PHASE3	1ST	6103124	NA		Overwater
384500	3732500	0.2773	0	0		0	24-HR	PHASE3	1ST	6103124	NA		FENCEINT
385000	3732500	0.1447	0	0		0	24-HR	PHASE3	1ST	7020124	NA		FENCEINT
380000	3733000	0.15925	41.49	41.49		0	24-HR	PHASE3	1ST	7020724	NA		FENCEINT
380500	3733000	0.19708	29.88	29.88		0	24-HR	PHASE3	1ST	7020724	NA		FENCEINT
381000	3733000	0.27	22.72	22.72		0	24-HR	PHASE3	1ST	7041024	NA		FENCEINT
381500	3733000	0.42138	9.54	19.88		0	24-HR	PHASE3	1ST	6110324	NA		FENCEINT
382500	3733000	4.40204	3.3	3.3		0	24-HR	PHASE3	1ST	7011124	NA		FENCEINT
385000	3733000	0.15116	0	0		0	24-HR	PHASE3	1ST	7020124	NA		Overwater
380000	3733500	0.10514	44.62	44.62		0	24-HR	PHASE3	1ST	6100924			
380500	3733500	0.16104	31.94	31.94		0	24-HR	PHASE3	1ST	6100924			
381000	3733500	0.22157	21.59	21.59		0	24-HR	PHASE3	1ST	6100924			
381500	3733500	0.62837	11.3	15		0	24-HR	PHASE3	1ST	6121524			
382500	3733500	1.32018	0	0		0	24-HR	PHASE3	1ST	6102224			
383000	3733500	0.70577	3.52	3.52		0	24-HR	PHASE3	1ST	7011924			
385000	3733500	0.15368	0	0		0	24-HR	PHASE3	1ST	6092724			
380000	3734000	0.18571	51.87	51.87		0	24-HR	PHASE3	1ST	6121524			
380500	3734000	0.24451	24.85	24.85		0	24-HR	PHASE3	1ST	6121524			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3734000	0.20735	22.4	25.46		0	24-HR	PHASE3	1ST	6121524		
381500	3734000	0.28538	6.51	6.51		0	24-HR	PHASE3	1ST	7031024		
382500	3734000	0.43631	2.1	2.1		0	24-HR	PHASE3	1ST	6102224		
383000	3734000	0.39377	3.12	3.12		0	24-HR	PHASE3	1ST	7050224		
385500	3734000	0.07861	4.35	4.35		0	24-HR	PHASE3	1ST	7020624		
386000	3734000	0.05657	4.26	4.26		0	24-HR	PHASE3	1ST	7020624		
386500	3734000	0.04669	0	4.73		0	24-HR	PHASE3	1ST	6092724		
389500	3734000	0.0326	0.36	5.34		0	24-HR	PHASE3	1ST	6092724		
390000	3734000	0.02896	5.65	5.65		0	24-HR	PHASE3	1ST	6092724		
380000	3734500	0.07491	52.15	373.72		0	24-HR	PHASE3	1ST	6112124		
380500	3734500	0.13733	38.93	38.93		0	24-HR	PHASE3	1ST	6111924		
381000	3734500	0.14498	25.57	25.57		0	24-HR	PHASE3	1ST	7031024		
381500	3734500	0.13727	6.99	22.38		0	24-HR	PHASE3	1ST	7021824		
382500	3734500	0.23394	4.33	4.33		0	24-HR	PHASE3	1ST	6102224		
383000	3734500	0.25022	5.88	5.88		0	24-HR	PHASE3	1ST	7021224		
383500	3734500	0.14383	6.89	6.89		0	24-HR	PHASE3	1ST	7011924		
387500	3734500	0.03801	1.6	4.97		0	24-HR	PHASE3	1ST	7020624		
388500	3734500	0.02343	5.3	5.3		0	24-HR	PHASE3	1ST	7020724		
389000	3734500	0.02235	5.32	5.32		0	24-HR	PHASE3	1ST	6092724		
389500	3734500	0.02373	5.18	5.18		0	24-HR	PHASE3	1ST	6092724		
380000	3735000	0.08079	45.14	373.72		0	24-HR	PHASE3	1ST	6111924		
380500	3735000	0.09059	35.32	35.32		0	24-HR	PHASE3	1ST	7031024		
381000	3735000	0.08252	7.52	34.18		0	24-HR	PHASE3	1ST	7070524		
381500	3735000	0.10797	4.67	4.67		0	24-HR	PHASE3	1ST	6091324		
382000	3735000	0.10324	3.19	3.19		0	24-HR	PHASE3	1ST	7030724		
383000	3735000	0.18954	4.88	4.88		0	24-HR	PHASE3	1ST	6121624		
383500	3735000	0.13083	3.69	3.69		0	24-HR	PHASE3	1ST	6092124		
384000	3735000	0.08813	3.03	3.03		0	24-HR	PHASE3	1ST	7082624		
384500	3735000	0.04923	0	0		0	24-HR	PHASE3	1ST	7082624		
388000	3735000	0.02855	3.94	3.94		0	24-HR	PHASE3	1ST	7020624		
388500	3735000	0.02916	4.98	4.98		0	24-HR	PHASE3	1ST	7020624		
389000	3735000	0.02701	5.06	5.06		0	24-HR	PHASE3	1ST	7020624		
389500	3735000	0.02339	4.31	4.31		0	24-HR	PHASE3	1ST	7020624		
390000	3735000	0.01923	4.38	4.38		0	24-HR	PHASE3	1ST	7020624		
380000	3735500	0.06616	30.5	373.72		0	24-HR	PHASE3	1ST	7031024		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380500	3735500	0.05169	3.67	33.03		0	24-HR	PHASE3	1ST	7070524		
381000	3735500	0.06307	0	0		0	24-HR	PHASE3	1ST	6091324		
382500	3735500	0.10989	0	0		0	24-HR	PHASE3	1ST	6102224		
383500	3735500	0.11807	2.61	2.61		0	24-HR	PHASE3	1ST	7042724		
384000	3735500	0.0726	2.28	2.28		0	24-HR	PHASE3	1ST	7060224		
384500	3735500	0.06442	3.39	3.39		0	24-HR	PHASE3	1ST	7082624		
385000	3735500	0.03583	3.66	3.66		0	24-HR	PHASE3	1ST	7082624		
385500	3735500	0.0333	2.3	2.3		0	24-HR	PHASE3	1ST	7022524		
386000	3735500	0.03236	2.31	2.31		0	24-HR	PHASE3	1ST	7022524		
387000	3735500	0.03982	6.53	6.53		0	24-HR	PHASE3	1ST	7030624		
388500	3735500	0.01795	3.87	3.87		0	24-HR	PHASE3	1ST	6101724		
389000	3735500	0.01768	5.03	5.03		0	24-HR	PHASE3	1ST	6101724		
380000	3736000	0.0436	12.29	373.72		0	24-HR	PHASE3	1ST	7070524		
380500	3736000	0.06079	16.9	21.04		0	24-HR	PHASE3	1ST	7021824		
381000	3736000	0.07156	16.9	43.94		0	24-HR	PHASE3	1ST	6091324		
381500	3736000	0.06527	7.73	21.95		0	24-HR	PHASE3	1ST	7030724		
382500	3736000	0.08446	3.06	3.06		0	24-HR	PHASE3	1ST	6102224		
383000	3736000	0.11415	2.67	2.67		0	24-HR	PHASE3	1ST	6121624		
384000	3736000	0.07221	2.27	2.27		0	24-HR	PHASE3	1ST	6092124		
384500	3736000	0.04218	2.32	2.32		0	24-HR	PHASE3	1ST	7011924		
385000	3736000	0.04874	2.3	2.3		0	24-HR	PHASE3	1ST	7082624		
385500	3736000	0.02743	-0.55	-0.55		0	24-HR	PHASE3	1ST	7082624		
386000	3736000	0.02332	-0.58	-0.58		0	24-HR	PHASE3	1ST	7022524		
386500	3736000	0.0264	-1.1	3.82		0	24-HR	PHASE3	1ST	7022524		
387000	3736000	0.02445	5.34	5.34		0	24-HR	PHASE3	1ST	7011924		
387500	3736000	0.02435	3.86	3.86		0	24-HR	PHASE3	1ST	7030624		
388000	3736000	0.02927	5.09	5.09		0	24-HR	PHASE3	1ST	7030624		
388500	3736000	0.02755	2.79	2.79		0	24-HR	PHASE3	1ST	7030624		
389500	3736000	0.01463	1.3	1.3		0	24-HR	PHASE3	1ST	7030624		
390000	3736000	0.01376	0.04	0.04		0	24-HR	PHASE3	1ST	6101724		
380000	3736500	0.04441	15.44	15.44		0	24-HR	PHASE3	1ST	7021824		
380500	3736500	0.05165	12.59	43.42		0	24-HR	PHASE3	1ST	6091324		
381000	3736500	0.07261	29.2	30.72		0	24-HR	PHASE3	1ST	6102324		
381500	3736500	0.05307	15.82	15.82		0	24-HR	PHASE3	1ST	7030724		
382500	3736500	0.06773	3.68	3.68		0	24-HR	PHASE3	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3736500	0.08733	3.19	3.19		0	24-HR	PHASE3	1ST	6121624		
383500	3736500	0.06528	3	3		0	24-HR	PHASE3	1ST	7021224		
385000	3736500	0.03396	0.21	0.21		0	24-HR	PHASE3	1ST	7011924		
385500	3736500	0.03821	-1.36	-1.36		0	24-HR	PHASE3	1ST	7082624		
386000	3736500	0.02176	-3.5	-3.5		0	24-HR	PHASE3	1ST	7082624		
386500	3736500	0.01679	-4.71	-4.71		0	24-HR	PHASE3	1ST	7022524		
387000	3736500	0.02105	0	0		0	24-HR	PHASE3	1ST	7022524		
387500	3736500	0.01969	4.22	4.22		0	24-HR	PHASE3	1ST	7022524		
388000	3736500	0.01932	5.29	5.29		0	24-HR	PHASE3	1ST	7011924		
389000	3736500	0.02335	6.29	6.29		0	24-HR	PHASE3	1ST	7030624		
389500	3736500	0.02233	4.51	4.51		0	24-HR	PHASE3	1ST	7030624		
390000	3736500	0.01831	3.76	3.76		0	24-HR	PHASE3	1ST	7030624		
380000	3737000	0.04171	27.15	48.84		0	24-HR	PHASE3	1ST	7081924		
380500	3737000	0.0502	32.25	39.5		0	24-HR	PHASE3	1ST	6091324		
381000	3737000	0.05749	33.33	33.33		0	24-HR	PHASE3	1ST	6102324		
381500	3737000	0.03403	4.62	13.99		0	24-HR	PHASE3	1ST	7040724		
382000	3737000	0.03167	3.6	3.6		0	24-HR	PHASE3	1ST	7071224		
382500	3737000	0.05602	4	4		0	24-HR	PHASE3	1ST	6102224		
383000	3737000	0.06755	3.8	3.8		0	24-HR	PHASE3	1ST	6121624		
383500	3737000	0.06255	3.43	3.43		0	24-HR	PHASE3	1ST	6121624		
384000	3737000	0.05968	2.81	2.81		0	24-HR	PHASE3	1ST	7042724		
384500	3737000	0.04772	0	0		0	24-HR	PHASE3	1ST	6092124		
385000	3737000	0.0311	-0.32	-0.32		0	24-HR	PHASE3	1ST	7060224		
385500	3737000	0.02948	0	0		0	24-HR	PHASE3	1ST	7082624		
387500	3737000	0.01668	3.2	3.2		0	24-HR	PHASE3	1ST	7022524		
388000	3737000	0.01723	5.15	5.15		0	24-HR	PHASE3	1ST	7022524		
389000	3737000	0.01688	7.39	7.39		0	24-HR	PHASE3	1ST	7011924		
389500	3737000	0.01756	9.04	9.04		0	24-HR	PHASE3	1ST	7030624		
390000	3737000	0.0209	10.53	10.53		0	24-HR	PHASE3	1ST	7030624		
380000	3737500	0.04131	18.28	69.94		0	24-HR	PHASE3	1ST	6091324		
380500	3737500	0.05008	41.6	41.6		0	24-HR	PHASE3	1ST	6102324		
381000	3737500	0.04617	27.72	30.56		0	24-HR	PHASE3	1ST	7030724		
381500	3737500	0.02826	7.86	7.86		0	24-HR	PHASE3	1ST	7040724		
382000	3737500	0.02539	5.82	5.82		0	24-HR	PHASE3	1ST	7071224		
382500	3737500	0.04742	5.02	5.02		0	24-HR	PHASE3	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383000	3737500	0.05269	4.46	4.46		0	24-HR	PHASE3	1ST	6121624		
383500	3737500	0.05806	4.11	4.11		0	24-HR	PHASE3	1ST	6121624		
384000	3737500	0.04359	2.41	2.41		0	24-HR	PHASE3	1ST	7021224		
385000	3737500	0.03729	-0.53	-0.53		0	24-HR	PHASE3	1ST	7060224		
385500	3737500	0.02251	-0.52	-0.52		0	24-HR	PHASE3	1ST	7011924		
386000	3737500	0.02639	-0.35	2.9		0	24-HR	PHASE3	1ST	7082624		
386500	3737500	0.02527	-0.42	-0.42		0	24-HR	PHASE3	1ST	7082624		
387000	3737500	0.01498	0	0		0	24-HR	PHASE3	1ST	7082624		
387500	3737500	0.00927	2.3	2.3		0	24-HR	PHASE3	1ST	7022524		
388000	3737500	0.01313	2.3	2.3		0	24-HR	PHASE3	1ST	7022524		
389000	3737500	0.01494	7.29	7.29		0	24-HR	PHASE3	1ST	7022524		
389500	3737500	0.01549	10.22	10.22		0	24-HR	PHASE3	1ST	7011924		
390000	3737500	0.0146	11.13	11.13		0	24-HR	PHASE3	1ST	7011924		
380000	3738000	0.0293	8.3	54.22		0	24-HR	PHASE3	1ST	6091324		
380500	3738000	0.04335	22.71	51.38		0	24-HR	PHASE3	1ST	6102324		
381000	3738000	0.03057	11.77	11.77		0	24-HR	PHASE3	1ST	7030724		
381500	3738000	0.02607	11.75	11.75		0	24-HR	PHASE3	1ST	7081424		
382000	3738000	0.02236	8.85	8.85		0	24-HR	PHASE3	1ST	7071224		
382500	3738000	0.04332	7.05	7.05		0	24-HR	PHASE3	1ST	6102224		
383000	3738000	0.04193	5.59	5.59		0	24-HR	PHASE3	1ST	6121624		
383500	3738000	0.05262	4.74	4.74		0	24-HR	PHASE3	1ST	6121624		
384000	3738000	0.03757	3.76	3.76		0	24-HR	PHASE3	1ST	7021224		
384500	3738000	0.04403	2.99	2.99		0	24-HR	PHASE3	1ST	7042724		
385000	3738000	0.03471	2.3	2.3		0	24-HR	PHASE3	1ST	6092124		
385500	3738000	0.0268	2.49	2.49		0	24-HR	PHASE3	1ST	7060224		
386000	3738000	0.0201	2.01	2.01		0	24-HR	PHASE3	1ST	7011924		
386500	3738000	0.02347	-0.42	-0.42		0	24-HR	PHASE3	1ST	7082624		
387000	3738000	0.02125	1.04	1.04		0	24-HR	PHASE3	1ST	7082624		
387500	3738000	0.01275	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
388000	3738000	0.00736	3	3		0	24-HR	PHASE3	1ST	6101524		
389000	3738000	0.01407	9.61	9.61		0	24-HR	PHASE3	1ST	7022524		
389500	3738000	0.01474	11.44	11.44		0	24-HR	PHASE3	1ST	7022524		
390000	3738000	0.01302	11.91	11.91		0	24-HR	PHASE3	1ST	7011924		
380000	3738500	0.03425	20.48	20.48		0	24-HR	PHASE3	1ST	6102324		
380500	3738500	0.02644	2.74	2.74		0	24-HR	PHASE3	1ST	6102324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
381000	3738500	0.02248	4.42	4.42		0	24-HR	PHASE3	1ST	7040724		
381500	3738500	0.02438	11.47	11.47		0	24-HR	PHASE3	1ST	7071224		
382000	3738500	0.01752	6.91	6.91		0	24-HR	PHASE3	1ST	7071224		
382500	3738500	0.03952	10.09	10.09		0	24-HR	PHASE3	1ST	6102224		
383000	3738500	0.03924	8.61	8.61		0	24-HR	PHASE3	1ST	6091924		
383500	3738500	0.05326	7.41	7.41		0	24-HR	PHASE3	1ST	6121624		
384000	3738500	0.03322	5.99	5.99		0	24-HR	PHASE3	1ST	6121624		
384500	3738500	0.03625	4.8	4.8		0	24-HR	PHASE3	1ST	7042724		
385000	3738500	0.03023	4	4		0	24-HR	PHASE3	1ST	6110324		
385500	3738500	0.02873	2.69	2.69		0	24-HR	PHASE3	1ST	7050224		
386000	3738500	0.01847	2.91	2.91		0	24-HR	PHASE3	1ST	6091424		
386500	3738500	0.01766	1.96	1.96		0	24-HR	PHASE3	1ST	7011924		
387000	3738500	0.02076	4.4	4.4		0	24-HR	PHASE3	1ST	7082624		
387500	3738500	0.01799	2.3	2.3		0	24-HR	PHASE3	1ST	7082624		
388000	3738500	0.01098	2.31	2.31		0	24-HR	PHASE3	1ST	7082624		
389000	3738500	0.00848	4.26	4.26		0	24-HR	PHASE3	1ST	7022524		
389500	3738500	0.01186	11.29	11.29		0	24-HR	PHASE3	1ST	7022524		
390000	3738500	0.01331	12.35	12.35		0	24-HR	PHASE3	1ST	7022524		
380000	3739000	0.03097	12.37	12.37		0	24-HR	PHASE3	1ST	6102324		
380500	3739000	0.02499	9.37	13.25		0	24-HR	PHASE3	1ST	7030724		
381000	3739000	0.0216	10.44	10.44		0	24-HR	PHASE3	1ST	7040724		
381500	3739000	0.02268	12.57	12.57		0	24-HR	PHASE3	1ST	7071224		
382000	3739000	0.01644	7.3	7.3		0	24-HR	PHASE3	1ST	6102224		
382500	3739000	0.03583	12.03	12.03		0	24-HR	PHASE3	1ST	6102224		
383000	3739000	0.03717	12.24	12.24		0	24-HR	PHASE3	1ST	6091924		
383500	3739000	0.04961	10.37	10.37		0	24-HR	PHASE3	1ST	6121624		
384000	3739000	0.03321	9.05	9.05		0	24-HR	PHASE3	1ST	6121624		
384500	3739000	0.0285	7.63	7.63		0	24-HR	PHASE3	1ST	7021224		
385000	3739000	0.0357	6.93	6.93		0	24-HR	PHASE3	1ST	7042724		
385500	3739000	0.03028	6.85	6.85		0	24-HR	PHASE3	1ST	6092124		
386000	3739000	0.0227	3.82	3.82		0	24-HR	PHASE3	1ST	7060224		
386500	3739000	0.01474	3.52	3.52		0	24-HR	PHASE3	1ST	6091424		
387000	3739000	0.01558	2.6	2.6		0	24-HR	PHASE3	1ST	7082624		
387500	3739000	0.01848	2.6	2.6		0	24-HR	PHASE3	1ST	7082624		
388000	3739000	0.01555	3.21	3.21		0	24-HR	PHASE3	1ST	7082624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389000	3739000	0.00578	4.7	4.7		0	24-HR	PHASE3	1ST	6112724		
389500	3739000	0.00683	4.86	4.86		0	24-HR	PHASE3	1ST	7022524		
390000	3739000	0.00955	10.57	10.57		0	24-HR	PHASE3	1ST	7022524		
380000	3739500	0.02557	15.39	15.39		0	24-HR	PHASE3	1ST	6102324		
380500	3739500	0.01873	6.37	6.37		0	24-HR	PHASE3	1ST	7030724		
381000	3739500	0.01571	4.86	4.86		0	24-HR	PHASE3	1ST	7040724		
381500	3739500	0.01885	8.91	8.91		0	24-HR	PHASE3	1ST	7071224		
382000	3739500	0.01554	11.42	11.42		0	24-HR	PHASE3	1ST	6102224		
382500	3739500	0.0314	10.38	10.38		0	24-HR	PHASE3	1ST	6102224		
383000	3739500	0.034	12.33	12.33		0	24-HR	PHASE3	1ST	6091924		
383500	3739500	0.04507	12.9	12.9		0	24-HR	PHASE3	1ST	6121624		
384000	3739500	0.03372	10.87	10.87		0	24-HR	PHASE3	1ST	6121624		
384500	3739500	0.0247	10.72	10.72		0	24-HR	PHASE3	1ST	7021224		
385000	3739500	0.03452	9.96	9.96		0	24-HR	PHASE3	1ST	7042724		
385500	3739500	0.02822	9.91	9.91		0	24-HR	PHASE3	1ST	6110324		
386000	3739500	0.02332	4	7.13		0	24-HR	PHASE3	1ST	7050224		
386500	3739500	0.01632	4.61	4.61		0	24-HR	PHASE3	1ST	7060224		
387000	3739500	0.01365	3.52	3.52		0	24-HR	PHASE3	1ST	7011924		
387500	3739500	0.0147	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
388000	3739500	0.01645	3.52	3.52		0	24-HR	PHASE3	1ST	7082624		
388500	3739500	0.0135	0.66	0.66		0	24-HR	PHASE3	1ST	7082624		
389000	3739500	0.0084	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
389500	3739500	0.0053	4.33	4.33		0	24-HR	PHASE3	1ST	6112724		
390000	3739500	0.00537	9.29	9.29		0	24-HR	PHASE3	1ST	7022524		
380000	3740000	0.02274	18.55	18.55		0	24-HR	PHASE3	1ST	7011024		
380500	3740000	0.02128	18.06	18.06		0	24-HR	PHASE3	1ST	7040724		
381000	3740000	0.01561	9.93	9.93		0	24-HR	PHASE3	1ST	7081424		
381500	3740000	0.01737	11.37	11.37		0	24-HR	PHASE3	1ST	7071224		
382000	3740000	0.01506	12.27	12.27		0	24-HR	PHASE3	1ST	6102224		
382500	3740000	0.02901	12.33	12.33		0	24-HR	PHASE3	1ST	6102224		
383000	3740000	0.03076	11.13	11.13		0	24-HR	PHASE3	1ST	6091924		
383500	3740000	0.038	11.03	11.03		0	24-HR	PHASE3	1ST	6121624		
384000	3740000	0.03412	12.74	12.74		0	24-HR	PHASE3	1ST	6121624		
384500	3740000	0.02239	9.76	9.76		0	24-HR	PHASE3	1ST	7021224		
385000	3740000	0.02685	12.27	12.27		0	24-HR	PHASE3	1ST	7042724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
385500	3740000	0.02779	9.31	9.31		0	24-HR	PHASE3	1ST	7042724		
386000	3740000	0.02443	6.96	6.96		0	24-HR	PHASE3	1ST	6092124		
386500	3740000	0.02174	8.03	8.03		0	24-HR	PHASE3	1ST	7060224		
387000	3740000	0.01289	4.73	4.73		0	24-HR	PHASE3	1ST	6091424		
387500	3740000	0.01256	4.43	4.43		0	24-HR	PHASE3	1ST	7011924		
388000	3740000	0.01387	4.6	4.6		0	24-HR	PHASE3	1ST	7082624		
388500	3740000	0.01471	1.83	1.83		0	24-HR	PHASE3	1ST	7082624		
389000	3740000	0.01188	4.73	4.73		0	24-HR	PHASE3	1ST	7082624		
389500	3740000	0.00755	4.73	4.73		0	24-HR	PHASE3	1ST	7082624		
390000	3740000	0.00542	8.37	8.37		0	24-HR	PHASE3	1ST	6112724		
380000	3740500	0.02076	20.5	20.5		0	24-HR	PHASE3	1ST	7030724		
380500	3740500	0.01806	16	16		0	24-HR	PHASE3	1ST	7040724		
381000	3740500	0.01423	9.65	9.65		0	24-HR	PHASE3	1ST	7071224		
381500	3740500	0.01515	11.98	11.98		0	24-HR	PHASE3	1ST	7071224		
382000	3740500	0.01468	8.35	8.35		0	24-HR	PHASE3	1ST	6102224		
382500	3740500	0.02675	13.55	13.55		0	24-HR	PHASE3	1ST	6102224		
383000	3740500	0.02905	13.9	13.9		0	24-HR	PHASE3	1ST	6091924		
383500	3740500	0.03342	12.95	12.95		0	24-HR	PHASE3	1ST	6121624		
384000	3740500	0.03368	13.52	13.52		0	24-HR	PHASE3	1ST	6121624		
384500	3740500	0.02071	12.34	12.34		0	24-HR	PHASE3	1ST	7021224		
385000	3740500	0.01951	10.45	10.45		0	24-HR	PHASE3	1ST	7021224		
385500	3740500	0.02914	11.44	11.44		0	24-HR	PHASE3	1ST	7042724		
386000	3740500	0.02302	10	10		0	24-HR	PHASE3	1ST	6110324		
386500	3740500	0.02216	9.37	9.37		0	24-HR	PHASE3	1ST	7050224		
387000	3740500	0.01491	5.34	5.34		0	24-HR	PHASE3	1ST	7060224		
387500	3740500	0.0107	5.35	5.35		0	24-HR	PHASE3	1ST	6091424		
388000	3740500	0.01145	5.34	5.34		0	24-HR	PHASE3	1ST	7011924		
388500	3740500	0.01297	2.23	2.23		0	24-HR	PHASE3	1ST	7082624		
389000	3740500	0.01323	5.16	5.16		0	24-HR	PHASE3	1ST	7082624		
389500	3740500	0.01055	5.34	5.34		0	24-HR	PHASE3	1ST	7082624		
390000	3740500	0.0066	7.02	7.02		0	24-HR	PHASE3	1ST	7082624		
380250	3730750	0.07638	78.14	94.94		0	24-HR	PHASE3	1ST	7040124		
380750	3730750	0.07799	22.19	94.94		0	24-HR	PHASE3	1ST	6120924		
380250	3731250	0.16879	52.15	94.94		0	24-HR	PHASE3	1ST	6100724		
380750	3731250	0.13414	20.89	94.94		0	24-HR	PHASE3	1ST	7040124		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3731250	0.25596	0	0	0	24-HR	PHASE3	1ST	6123024			
384250	3731250	0.30342	0	0	0	24-HR	PHASE3	1ST	7022124			
380250	3731750	0.18175	67.12	74.61	0	24-HR	PHASE3	1ST	6120924			
380750	3731750	0.26898	21.72	74.03	0	24-HR	PHASE3	1ST	6100724			
381250	3731750	0.18173	4.66	16.27	0	24-HR	PHASE3	1ST	7040124			
381750	3731750	0.19037	0	0	0	24-HR	PHASE3	1ST	7011124			
382250	3731750	0.20411	3.75	3.75	0	24-HR	PHASE3	1ST	6120724			
383750	3731750	0.4522	0	0	0	24-HR	PHASE3	1ST	7022124			
384250	3731750	0.30848	0	0	0	24-HR	PHASE3	1ST	7010324			
380250	3732250	0.16932	32	74.91	0	24-HR	PHASE3	1ST	6110924			
380750	3732250	0.20285	20.96	20.96	0	24-HR	PHASE3	1ST	7082924			
381250	3732250	0.32432	4.64	4.64	0	24-HR	PHASE3	1ST	6120924			
381750	3732250	0.32161	2.02	2.02	0	24-HR	PHASE3	1ST	7040124			
382750	3732250	1.01746	3.77	3.77	0	24-HR	PHASE3	1ST	6120624			
383750	3732250	0.4367	0	0	0	24-HR	PHASE3	1ST	7010324			
384250	3732250	0.33356	0	0	0	24-HR	PHASE3	1ST	6101124			
384750	3732250	0.26875	0	0	0	24-HR	PHASE3	1ST	6103124			
380250	3732750	0.16315	30.48	30.48	0	24-HR	PHASE3	1ST	6110324			
380750	3732750	0.21921	24.07	24.07	0	24-HR	PHASE3	1ST	7082824			
381250	3732750	0.28817	18.04	18.04	0	24-HR	PHASE3	1ST	7083124			
381750	3732750	0.63629	1.44	1.44	0	24-HR	PHASE3	1ST	6120924			
384250	3732750	0.25106	0	0	0	24-HR	PHASE3	1ST	7020124			
384750	3732750	0.16045	0	0	0	24-HR	PHASE3	1ST	6101024			
385250	3732750	0.11938	0	0	0	24-HR	PHASE3	1ST	6101024			
380250	3733250	0.21793	37.3	37.3	0	24-HR	PHASE3	1ST	7020724			
380750	3733250	0.30574	26.06	26.06	0	24-HR	PHASE3	1ST	7020724			
381250	3733250	0.44786	23.5	23.5	0	24-HR	PHASE3	1ST	7020724			
382250	3733250	3.26095	1.84	1.84	0	24-HR	PHASE3	1ST	6121524			
382750	3733250	3.10766	0.95	0.95	0	24-HR	PHASE3	1ST	6121024			
380250	3733750	0.12997	32.62	32.62	0	24-HR	PHASE3	1ST	6121524			
380750	3733750	0.31543	28.98	28.98	0	24-HR	PHASE3	1ST	6121524			
381250	3733750	0.4238	12.11	12.11	0	24-HR	PHASE3	1ST	6121524			
382250	3733750	0.60522	2.8	2.8	0	24-HR	PHASE3	1ST	6102324			
382750	3733750	0.87314	2.5	2.5	0	24-HR	PHASE3	1ST	7021224			
388750	3733750	0.03751	4.54	4.54	0	24-HR	PHASE3	1ST	6092724			

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3733750	0.03265	5.34	5.34		0	24-HR	PHASE3	1ST	6092724		
389750	3733750	0.02859	4.33	4.33		0	24-HR	PHASE3	1ST	6092724		
380250	3734250	0.1138	45.4	45.4		0	24-HR	PHASE3	1ST	6121524		
380750	3734250	0.15074	27.65	27.65		0	24-HR	PHASE3	1ST	6111924		
381250	3734250	0.2019	15.29	15.29		0	24-HR	PHASE3	1ST	7031024		
381750	3734250	0.18769	3.06	3.06		0	24-HR	PHASE3	1ST	7021824		
382250	3734250	0.2098	2.56	2.56		0	24-HR	PHASE3	1ST	7030724		
382750	3734250	0.453	2.75	2.75		0	24-HR	PHASE3	1ST	6121624		
383250	3734250	0.19803	2.59	2.59		0	24-HR	PHASE3	1ST	7060224		
384750	3734250	0.10777	0	0		0	24-HR	PHASE3	1ST	7030624		
386750	3734250	0.04603	4.89	4.89		0	24-HR	PHASE3	1ST	7020624		
387250	3734250	0.03364	0.82	5.37		0	24-HR	PHASE3	1ST	7020724		
388750	3734250	0.0327	3.31	3.31		0	24-HR	PHASE3	1ST	6092724		
389750	3734250	0.03012	5.41	5.41		0	24-HR	PHASE3	1ST	6092724		
380250	3734750	0.11034	38.97	38.97		0	24-HR	PHASE3	1ST	6111924		
380750	3734750	0.11279	26.84	30.68		0	24-HR	PHASE3	1ST	7031024		
381250	3734750	0.1142	14.59	26.52		0	24-HR	PHASE3	1ST	7070524		
381750	3734750	0.14418	2.96	2.96		0	24-HR	PHASE3	1ST	6102324		
382750	3734750	0.25202	4.12	4.12		0	24-HR	PHASE3	1ST	6121624		
383250	3734750	0.19895	6.97	6.97		0	24-HR	PHASE3	1ST	7042724		
383750	3734750	0.10412	3.95	3.95		0	24-HR	PHASE3	1ST	7082624		
384750	3734750	0.0588	3.71	3.71		0	24-HR	PHASE3	1ST	7022524		
387750	3734750	0.03551	5.34	5.34		0	24-HR	PHASE3	1ST	7020624		
388750	3734750	0.02641	5.06	5.06		0	24-HR	PHASE3	1ST	7020624		
389250	3734750	0.02092	5.13	5.13		0	24-HR	PHASE3	1ST	7020724		
389750	3734750	0.01741	4.9	4.9		0	24-HR	PHASE3	1ST	7020724		
380250	3735250	0.07206	12.04	373.72		0	24-HR	PHASE3	1ST	7031024		
380750	3735250	0.06189	3.97	35.87		0	24-HR	PHASE3	1ST	7070524		
381250	3735250	0.0845	4.49	4.49		0	24-HR	PHASE3	1ST	6091324		
381750	3735250	0.10405	3.43	3.43		0	24-HR	PHASE3	1ST	6102324		
383250	3735250	0.12864	3.44	3.44		0	24-HR	PHASE3	1ST	7021224		
383750	3735250	0.09991	2.36	2.36		0	24-HR	PHASE3	1ST	7060224		
384250	3735250	0.07499	3.04	3.04		0	24-HR	PHASE3	1ST	7082624		
384750	3735250	0.04166	3.81	3.81		0	24-HR	PHASE3	1ST	7082624		
385250	3735250	0.04012	3.34	3.34		0	24-HR	PHASE3	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388250	3735250	0.02081	3.26	3.26		0	24-HR	PHASE3	1ST	6101724		
388750	3735250	0.02366	6.45	6.45		0	24-HR	PHASE3	1ST	7020624		
389250	3735250	0.02445	4.87	4.87		0	24-HR	PHASE3	1ST	7020624		
389750	3735250	0.02321	0	0		0	24-HR	PHASE3	1ST	7020624		
380250	3735750	0.04375	5.23	373.72		0	24-HR	PHASE3	1ST	7070524		
380750	3735750	0.05641	4.82	43.94		0	24-HR	PHASE3	1ST	7021824		
381250	3735750	0.07147	3.97	3.97		0	24-HR	PHASE3	1ST	6102324		
382250	3735750	0.05367	3.19	3.19		0	24-HR	PHASE3	1ST	6102224		
382750	3735750	0.10537	2.94	2.94		0	24-HR	PHASE3	1ST	6091924		
383750	3735750	0.08224	2.58	2.58		0	24-HR	PHASE3	1ST	7042724		
384250	3735750	0.0503	2.39	2.39		0	24-HR	PHASE3	1ST	6101624		
384750	3735750	0.05578	2.29	2.29		0	24-HR	PHASE3	1ST	7082624		
385250	3735750	0.0312	2.3	2.3		0	24-HR	PHASE3	1ST	7082624		
385750	3735750	0.02779	2.3	2.3		0	24-HR	PHASE3	1ST	7022524		
386250	3735750	0.02935	-0.1	-0.1		0	24-HR	PHASE3	1ST	7022524		
386750	3735750	0.02749	5.34	5.34		0	24-HR	PHASE3	1ST	7011924		
387750	3735750	0.03304	3.82	3.82		0	24-HR	PHASE3	1ST	7030624		
388250	3735750	0.02754	2.21	5.34		0	24-HR	PHASE3	1ST	7030624		
388750	3735750	0.01923	2.31	2.31		0	24-HR	PHASE3	1ST	7030624		
380250	3736250	0.04611	7.03	7.03		0	24-HR	PHASE3	1ST	7021824		
380750	3736250	0.07393	42.32	42.32		0	24-HR	PHASE3	1ST	6091324		
381250	3736250	0.08069	24.37	24.37		0	24-HR	PHASE3	1ST	6102324		
381750	3736250	0.04463	3.2	3.2		0	24-HR	PHASE3	1ST	7040724		
382250	3736250	0.04783	2.92	2.92		0	24-HR	PHASE3	1ST	6102224		
382750	3736250	0.08447	0	0		0	24-HR	PHASE3	1ST	6091924		
383250	3736250	0.09324	2.89	2.89		0	24-HR	PHASE3	1ST	6121624		
384250	3736250	0.06109	2.39	2.39		0	24-HR	PHASE3	1ST	7050224		
384750	3736250	0.03791	2.29	2.29		0	24-HR	PHASE3	1ST	7011924		
385250	3736250	0.04297	0.12	0.12		0	24-HR	PHASE3	1ST	7082624		
385750	3736250	0.02433	-2.04	-2.04		0	24-HR	PHASE3	1ST	7082624		
386250	3736250	0.01972	-3.42	-3.42		0	24-HR	PHASE3	1ST	7022524		
386750	3736250	0.02361	4.76	4.76		0	24-HR	PHASE3	1ST	7022524		
387250	3736250	0.02142	3.77	3.77		0	24-HR	PHASE3	1ST	7011924		
387750	3736250	0.02079	4.27	4.27		0	24-HR	PHASE3	1ST	7011924		
388250	3736250	0.02476	4.03	4.03		0	24-HR	PHASE3	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389250	3736250	0.02258	2.61	2.61		0	24-HR	PHASE3	1ST	7030624		
389750	3736250	0.01685	1.83	1.83		0	24-HR	PHASE3	1ST	7030624		
380250	3736750	0.04059	9.28	42.6		0	24-HR	PHASE3	1ST	7081924		
380750	3736750	0.05282	36.63	36.63		0	24-HR	PHASE3	1ST	7032024		
381250	3736750	0.05762	23.32	23.32		0	24-HR	PHASE3	1ST	7030724		
382750	3736750	0.06913	3.5	3.5		0	24-HR	PHASE3	1ST	6091924		
383250	3736750	0.08089	0.71	0.71		0	24-HR	PHASE3	1ST	6121624		
383750	3736750	0.05779	3.2	3.2		0	24-HR	PHASE3	1ST	7021224		
384750	3736750	0.04053	0.55	0.55		0	24-HR	PHASE3	1ST	7060224		
386250	3736750	0.01963	-3.88	-3.88		0	24-HR	PHASE3	1ST	7082624		
386750	3736750	0.01436	-0.85	2.3		0	24-HR	PHASE3	1ST	7022524		
387250	3736750	0.01875	2.83	2.83		0	24-HR	PHASE3	1ST	7022524		
387750	3736750	0.0185	6.36	6.36		0	24-HR	PHASE3	1ST	7022524		
388250	3736750	0.01763	6.47	16.61		0	24-HR	PHASE3	1ST	7011924		
388750	3736750	0.01616	3.23	3.23		0	24-HR	PHASE3	1ST	7011924		
389250	3736750	0.02021	3.25	6.42		0	24-HR	PHASE3	1ST	7030624		
389750	3736750	0.02258	8.65	8.65		0	24-HR	PHASE3	1ST	7030624		
380250	3737250	0.04256	13.05	55.06		0	24-HR	PHASE3	1ST	6091324		
380750	3737250	0.05909	38.12	38.12		0	24-HR	PHASE3	1ST	6102324		
381250	3737250	0.0388	12.41	12.41		0	24-HR	PHASE3	1ST	7030724		
381750	3737250	0.02943	3.92	3.92		0	24-HR	PHASE3	1ST	7071224		
382250	3737250	0.03789	4.11	4.11		0	24-HR	PHASE3	1ST	6102224		
382750	3737250	0.05771	4.11	4.11		0	24-HR	PHASE3	1ST	6091924		
383250	3737250	0.06848	3.8	3.8		0	24-HR	PHASE3	1ST	6121624		
383750	3737250	0.04835	2.64	2.64		0	24-HR	PHASE3	1ST	7021224		
384250	3737250	0.05421	1.54	1.54		0	24-HR	PHASE3	1ST	7042724		
384750	3737250	0.04255	-0.56	-0.56		0	24-HR	PHASE3	1ST	7050224		
385250	3737250	0.02578	1.34	4.35		0	24-HR	PHASE3	1ST	6091424		
385750	3737250	0.02798	-0.61	-0.61		0	24-HR	PHASE3	1ST	7082624		
386250	3737250	0.02778	-0.17	-0.17		0	24-HR	PHASE3	1ST	7082624		
387250	3737250	0.01076	-0.26	-0.26		0	24-HR	PHASE3	1ST	7022524		
388250	3737250	0.016	3.53	3.53		0	24-HR	PHASE3	1ST	7022524		
388750	3737250	0.01425	5.3	5.3		0	24-HR	PHASE3	1ST	7011924		
389250	3737250	0.01629	8.7	8.7		0	24-HR	PHASE3	1ST	7011924		
389750	3737250	0.01465	10.22	10.22		0	24-HR	PHASE3	1ST	7011924		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380250	3737750	0.03594	21.44	51.38		0	24-HR	PHASE3	1ST	6102324		
380750	3737750	0.04425	33.52	33.52		0	24-HR	PHASE3	1ST	7011024		
381250	3737750	0.03106	9.47	9.47		0	24-HR	PHASE3	1ST	7040724		
381750	3737750	0.02922	8.54	8.54		0	24-HR	PHASE3	1ST	7071224		
382250	3737750	0.03387	6.34	6.34		0	24-HR	PHASE3	1ST	6102224		
382750	3737750	0.04902	5.63	5.63		0	24-HR	PHASE3	1ST	6091924		
383250	3737750	0.05733	4.72	4.72		0	24-HR	PHASE3	1ST	6121624		
383750	3737750	0.04469	4.12	4.12		0	24-HR	PHASE3	1ST	6121624		
384250	3737750	0.04584	2.6	2.6		0	24-HR	PHASE3	1ST	7042724		
385250	3737750	0.03223	0.24	0.24		0	24-HR	PHASE3	1ST	7060224		
385750	3737750	0.02139	0	0		0	24-HR	PHASE3	1ST	7011924		
386250	3737750	0.02492	-0.19	-0.19		0	24-HR	PHASE3	1ST	7082624		
386750	3737750	0.0231	0.3	0.3		0	24-HR	PHASE3	1ST	7082624		
387250	3737750	0.0138	3.76	3.76		0	24-HR	PHASE3	1ST	7082624		
388250	3737750	0.01177	2.22	2.22		0	24-HR	PHASE3	1ST	7022524		
388750	3737750	0.01363	5.25	10.59		0	24-HR	PHASE3	1ST	7022524		
389250	3737750	0.01513	10.03	10.03		0	24-HR	PHASE3	1ST	7022524		
389750	3737750	0.0144	11.44	11.44		0	24-HR	PHASE3	1ST	7011924		
380250	3738250	0.03547	9.09	9.09		0	24-HR	PHASE3	1ST	6102324		
380750	3738250	0.03162	12.49	12.49		0	24-HR	PHASE3	1ST	7030724		
381250	3738250	0.02212	5.83	5.83		0	24-HR	PHASE3	1ST	7040724		
381750	3738250	0.02666	11.99	11.99		0	24-HR	PHASE3	1ST	7071224		
382250	3738250	0.03188	9.61	9.61		0	24-HR	PHASE3	1ST	6102224		
382750	3738250	0.04471	8.06	8.06		0	24-HR	PHASE3	1ST	6091924		
383250	3738250	0.05378	6.56	6.56		0	24-HR	PHASE3	1ST	6121624		
383750	3738250	0.0432	3.83	3.83		0	24-HR	PHASE3	1ST	6121624		
384250	3738250	0.03424	3.83	3.83		0	24-HR	PHASE3	1ST	7021224		
384750	3738250	0.03768	3.23	3.23		0	24-HR	PHASE3	1ST	7042724		
385250	3738250	0.03192	2.58	2.58		0	24-HR	PHASE3	1ST	7050224		
385750	3738250	0.02176	2.3	2.3		0	24-HR	PHASE3	1ST	7060224		
386250	3738250	0.01893	2.32	2.32		0	24-HR	PHASE3	1ST	7011924		
386750	3738250	0.0221	0	0		0	24-HR	PHASE3	1ST	7082624		
387250	3738250	0.01953	1.69	1.69		0	24-HR	PHASE3	1ST	7082624		
387750	3738250	0.01182	1.99	1.99		0	24-HR	PHASE3	1ST	7082624		
388250	3738250	0.00683	4.28	4.28		0	24-HR	PHASE3	1ST	6112724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
388750	3738250	0.00935	4.29	4.29		0	24-HR	PHASE3	1ST	7022524		
389250	3738250	0.0128	9.61	9.61		0	24-HR	PHASE3	1ST	7022524		
389750	3738250	0.01425	12.84	12.84		0	24-HR	PHASE3	1ST	7022524		
380250	3738750	0.02794	2.58	2.58		0	24-HR	PHASE3	1ST	6102324		
380750	3738750	0.02487	11.09	11.09		0	24-HR	PHASE3	1ST	7030724		
381250	3738750	0.02046	9.72	9.72		0	24-HR	PHASE3	1ST	7081424		
381750	3738750	0.02047	6.82	6.82		0	24-HR	PHASE3	1ST	7071224		
382250	3738750	0.0289	9.06	9.06		0	24-HR	PHASE3	1ST	6102224		
382750	3738750	0.04013	11.18	11.18		0	24-HR	PHASE3	1ST	6091924		
383250	3738750	0.04633	9.28	9.28		0	24-HR	PHASE3	1ST	6121624		
383750	3738750	0.04451	8.47	8.47		0	24-HR	PHASE3	1ST	6121624		
384250	3738750	0.03082	7.06	7.06		0	24-HR	PHASE3	1ST	7021224		
384750	3738750	0.03634	5.46	5.46		0	24-HR	PHASE3	1ST	7042724		
385250	3738750	0.02802	5.47	5.47		0	24-HR	PHASE3	1ST	6092124		
385750	3738750	0.02582	3.81	3.81		0	24-HR	PHASE3	1ST	7060224		
386250	3738750	0.01657	3.42	3.42		0	24-HR	PHASE3	1ST	6091424		
386750	3738750	0.01645	2.61	2.61		0	24-HR	PHASE3	1ST	7011924		
387250	3738750	0.01964	2.01	2.01		0	24-HR	PHASE3	1ST	7082624		
387750	3738750	0.01665	2.6	2.6		0	24-HR	PHASE3	1ST	7082624		
388250	3738750	0.01023	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
388750	3738750	0.00606	3.53	3.53		0	24-HR	PHASE3	1ST	6112724		
389250	3738750	0.00765	7.77	7.77		0	24-HR	PHASE3	1ST	7022524		
389750	3738750	0.01068	11	11		0	24-HR	PHASE3	1ST	7022524		
380250	3739250	0.02235	7.07	7.07		0	24-HR	PHASE3	1ST	7030724		
380750	3739250	0.02154	8.95	13.8		0	24-HR	PHASE3	1ST	7040724		
381250	3739250	0.01831	9.47	10.47		0	24-HR	PHASE3	1ST	7071224		
381750	3739250	0.01842	11.32	11.32		0	24-HR	PHASE3	1ST	7071224		
382250	3739250	0.02649	9.38	9.38		0	24-HR	PHASE3	1ST	6102224		
382750	3739250	0.03553	12.12	12.12		0	24-HR	PHASE3	1ST	6091924		
383250	3739250	0.03932	12.94	12.94		0	24-HR	PHASE3	1ST	6121624		
383750	3739250	0.04388	11.45	11.45		0	24-HR	PHASE3	1ST	6121624		
384250	3739250	0.02712	9.63	9.63		0	24-HR	PHASE3	1ST	7021224		
384750	3739250	0.03175	8.47	8.47		0	24-HR	PHASE3	1ST	7042724		
385250	3739250	0.02946	8.37	8.37		0	24-HR	PHASE3	1ST	7042724		
385750	3739250	0.02518	3.31	3.31		0	24-HR	PHASE3	1ST	7050224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
386250	3739250	0.01944	4.7	4.7		0	24-HR	PHASE3	1ST	7060224		
386750	3739250	0.01407	3.59	3.59		0	24-HR	PHASE3	1ST	7011924		
387250	3739250	0.01517	3.21	3.21		0	24-HR	PHASE3	1ST	7082624		
387750	3739250	0.01744	3.49	3.49		0	24-HR	PHASE3	1ST	7082624		
388250	3739250	0.01447	3.28	3.28		0	24-HR	PHASE3	1ST	7082624		
388750	3739250	0.00894	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
389250	3739250	0.00553	3.52	3.52		0	24-HR	PHASE3	1ST	6112724		
389750	3739250	0.00622	4.87	4.87		0	24-HR	PHASE3	1ST	7022524		
380250	3739750	0.0227	14.79	14.79		0	24-HR	PHASE3	1ST	7030724		
380750	3739750	0.01921	11.06	11.06		0	24-HR	PHASE3	1ST	7040724		
381250	3739750	0.01684	7.58	7.58		0	24-HR	PHASE3	1ST	7071224		
381750	3739750	0.01521	10.66	10.66		0	24-HR	PHASE3	1ST	7071224		
382250	3739750	0.02466	11.2	11.2		0	24-HR	PHASE3	1ST	6102224		
382750	3739750	0.03119	11.12	11.12		0	24-HR	PHASE3	1ST	6091924		
383250	3739750	0.03178	11.73	11.73		0	24-HR	PHASE3	1ST	6121624		
383750	3739750	0.0415	11.55	11.55		0	24-HR	PHASE3	1ST	6121624		
384250	3739750	0.02504	14.83	14.83		0	24-HR	PHASE3	1ST	7021224		
384750	3739750	0.02296	12.34	12.34		0	24-HR	PHASE3	1ST	7021224		
385250	3739750	0.03335	11.42	11.42		0	24-HR	PHASE3	1ST	7042724		
385750	3739750	0.02665	10.26	10.26		0	24-HR	PHASE3	1ST	6092124		
386250	3739750	0.02112	4.15	4.15		0	24-HR	PHASE3	1ST	7060224		
386750	3739750	0.01405	3.97	3.97		0	24-HR	PHASE3	1ST	6091424		
387250	3739750	0.01314	4.04	4.04		0	24-HR	PHASE3	1ST	7011924		
387750	3739750	0.01441	4.12	4.12		0	24-HR	PHASE3	1ST	7082624		
388250	3739750	0.01554	4.56	4.56		0	24-HR	PHASE3	1ST	7082624		
388750	3739750	0.01259	3.91	3.91		0	24-HR	PHASE3	1ST	7082624		
389250	3739750	0.00794	5.34	5.34		0	24-HR	PHASE3	1ST	7082624		
389750	3739750	0.00509	4.73	4.73		0	24-HR	PHASE3	1ST	6112724		
380250	3740250	0.01993	19.22	19.22		0	24-HR	PHASE3	1ST	7040724		
380750	3740250	0.01399	4.92	4.92		0	24-HR	PHASE3	1ST	7040724		
381250	3740250	0.017	11.48	11.48		0	24-HR	PHASE3	1ST	7071224		
381750	3740250	0.01271	10.54	10.54		0	24-HR	PHASE3	1ST	7071224		
382250	3740250	0.02305	12.98	12.98		0	24-HR	PHASE3	1ST	6102224		
382750	3740250	0.02831	13.04	13.04		0	24-HR	PHASE3	1ST	6091924		
383250	3740250	0.02599	12.34	12.34		0	24-HR	PHASE3	1ST	6121624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
383750	3740250	0.03831	11.35	11.35		0	24-HR	PHASE3	1ST	6121624		
384250	3740250	0.02596	9.8	9.8		0	24-HR	PHASE3	1ST	6121624		
384750	3740250	0.0205	10.43	10.43		0	24-HR	PHASE3	1ST	7021224		
385250	3740250	0.02994	12.64	12.64		0	24-HR	PHASE3	1ST	7042724		
385750	3740250	0.02333	8.32	8.32		0	24-HR	PHASE3	1ST	6110324		
386250	3740250	0.02552	13.92	13.92		0	24-HR	PHASE3	1ST	6092124		
386750	3740250	0.01709	6.23	6.23		0	24-HR	PHASE3	1ST	7060224		
387250	3740250	0.01181	5.02	5.02		0	24-HR	PHASE3	1ST	6091424		
387750	3740250	0.012	5.04	5.04		0	24-HR	PHASE3	1ST	7011924		
388250	3740250	0.01352	5.15	5.15		0	24-HR	PHASE3	1ST	7082624		
388750	3740250	0.01394	4.83	4.83		0	24-HR	PHASE3	1ST	7082624		
389250	3740250	0.01124	4.97	4.97		0	24-HR	PHASE3	1ST	7082624		
389750	3740250	0.00719	5.85	5.85		0	24-HR	PHASE3	1ST	7082624		
380943	3732793.3	0.25463	22.15	22.15		0	24-HR	PHASE3	1ST	7082824		
378621.2	3733740	0.04966	101.65	373.72		0	24-HR	PHASE3	1ST	6100924		
391058.2	3738305	0.01226	10.86	10.86		0	24-HR	PHASE3	1ST	7011924		
379351.1	3732777.1	0.09372	70.95	70.95		0	24-HR	PHASE3	1ST	7041024		
380242.3	3730668.6	0.07629	70.57	94.94		0	24-HR	PHASE3	1ST	7040124		
389528.4	3738426.5	0.0127	11.41	11.41		0	24-HR	PHASE3	1ST	7022524		
383175	3739671.2	0.02888	11.85	11.85		0	24-HR	PHASE3	1ST	6121624		
379739.8	3734599.4	0.06146	59.52	373.72		0	24-HR	PHASE3	1ST	6112124		
382892.9	3737859.8	0.04641	5.49	5.49		0	24-HR	PHASE3	1ST	6091924		
380760.5	3734596.8	0.12617	31.21	31.21		0	24-HR	PHASE3	1ST	6090524		
388845.2	3741561.7	0.01089	6.84	6.84		0	24-HR	PHASE3	1ST	7011924		
392188.9	3737397.5	0.01274	15.1	15.1		0	24-HR	PHASE3	1ST	7030624		
390304.5	3740132.3	0.00489	7.78	7.78		0	24-HR	PHASE3	1ST	6112724		
380234.3	3733594.6	0.13708	37.36	37.36		0	24-HR	PHASE3	1ST	6100924		
389617.7	3740764.5	0.0109	5.72	5.72		0	24-HR	PHASE3	1ST	7082624		
388821.7	3736846.6	0.01607	4.94	4.94		0	24-HR	PHASE3	1ST	7011924		
378729.2	3735826.2	0.04898	79.06	373.72		0	24-HR	PHASE3	1ST	6111924		
392176.5	3737528.9	0.01448	14.66	14.66		0	24-HR	PHASE3	1ST	7030624		
391519.4	3738728.9	0.01072	8.69	8.69		0	24-HR	PHASE3	1ST	7011924		
378520.6	3734954.5	0.04532	119.25	373.72		0	24-HR	PHASE3	1ST	7012724		
387523.5	3742271.2	0.01584	7.78	7.78		0	24-HR	PHASE3	1ST	7050224		
388829.2	3737595.9	0.01419	5.58	5.58		0	24-HR	PHASE3	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387049.2	3740394.5	0.01352	5.12	5.12		0	24-HR	PHASE3	1ST	7060224		
378457.3	3739235	0.02153	35.41	35.41		0	24-HR	PHASE3	1ST	7081924		
383341.7	3739482	0.04028	12.64	12.64		0	24-HR	PHASE3	1ST	6121624		
389704.5	3738119	0.01437	12.33	12.33		0	24-HR	PHASE3	1ST	7022524		
390259.9	3738029.7	0.01337	11.44	11.44		0	24-HR	PHASE3	1ST	7011924		
378589.5	3739658.1	0.02403	27.42	27.42		0	24-HR	PHASE3	1ST	6091324		
391031	3737481.8	0.01823	12.66	12.66		0	24-HR	PHASE3	1ST	7030624		
382857.6	3739199.9	0.03769	12.64	12.64		0	24-HR	PHASE3	1ST	6091924		
389468.9	3738689.3	0.00968	11.41	11.41		0	24-HR	PHASE3	1ST	7022524		
382259.9	3738901.8	0.02891	10.85	10.85		0	24-HR	PHASE3	1ST	6102224		
379441	3739816.8	0.02706	22.55	22.55		0	24-HR	PHASE3	1ST	6102324		
380758.1	3735144.9	0.06871	9.71	35.87		0	24-HR	PHASE3	1ST	7070524		
381915.1	3737786	0.02673	8	8		0	24-HR	PHASE3	1ST	7071224		
384457.4	3739171	0.02722	8.61	8.61		0	24-HR	PHASE3	1ST	7021224		
389615.2	3740856.3	0.01119	6.28	6.28		0	24-HR	PHASE3	1ST	7082624		
379411.9	3734390.5	0.11445	87.44	373.72		0	24-HR	PHASE3	1ST	6121524		
379840.3	3736717.6	0.04236	18.95	44.45		0	24-HR	PHASE3	1ST	7021824		
389766.5	3741238.1	0.01191	6.56	6.56		0	24-HR	PHASE3	1ST	7082624		
387804.4	3740178.1	0.0121	4.97	4.97		0	24-HR	PHASE3	1ST	7011924		
391544.2	3739100.9	0.00916	6.56	6.56		0	24-HR	PHASE3	1ST	7022524		
388023.1	3741842.7	0.01136	7.17	7.17		0	24-HR	PHASE3	1ST	6091424		
387334.7	3739738.3	0.01332	3.82	3.82		0	24-HR	PHASE3	1ST	7011924		
389315.2	3740551.3	0.012	5.34	5.34		0	24-HR	PHASE3	1ST	7082624		
379597	3732177.2	0.06884	80.02	80.02		0	24-HR	PHASE3	1ST	7083124		
390287.1	3737712.4	0.01417	11.74	11.74		0	24-HR	PHASE3	1ST	7011924		
379487.2	3738824	0.02894	24.02	37.86		0	24-HR	PHASE3	1ST	6091324		
386832.8	3739478.2	0.0131	3.52	3.52		0	24-HR	PHASE3	1ST	6091424		
391373.1	3739661.2	0.00844	6.26	6.26		0	24-HR	PHASE3	1ST	7022524		
380094.3	3733560.1	0.12497	41.28	41.28		0	24-HR	PHASE3	1ST	6100924		
380034.3	3733611.3	0.12194	42.93	42.93		0	24-HR	PHASE3	1ST	6100924		
376978.3	3735459	0.03127	266.18	373.72		0	24-HR	PHASE3	1ST	7012724		
377412.5	3735208.8	0.03976	233.89	373.72		0	24-HR	PHASE3	1ST	6121524		
380379.1	3739963	0.02089	17.31	17.31		0	24-HR	PHASE3	1ST	7040724		
389954.9	3741654.7	0.0131	14.8	14.8		0	24-HR	PHASE3	1ST	7082624		
382067.6	3739797.2	0.01782	10.87	10.87		0	24-HR	PHASE3	1ST	6102224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379359	3735318.7	0.06976	69.74	373.72		0	24-HR	PHASE3	1ST	6111924		
383091.7	3739584.6	0.03104	12.03	12.03		0	24-HR	PHASE3	1ST	6091924		
390433.4	3738875.2	0.01173	10.53	10.53		0	24-HR	PHASE3	1ST	7022524		
380541	3730995.2	0.11095	25.8	94.94		0	24-HR	PHASE3	1ST	7040124		
380128.5	3732833	0.15368	34.38	34.38		0	24-HR	PHASE3	1ST	7041024		
378266.9	3736789	0.03572	76.12	373.72		0	24-HR	PHASE3	1ST	6090524		
389186.3	3738602.5	0.00874	9.52	9.52		0	24-HR	PHASE3	1ST	7022524		
389875.6	3737846.3	0.01402	11.74	11.74		0	24-HR	PHASE3	1ST	7011924		
379674	3738169.4	0.03973	37.73	49.69		0	24-HR	PHASE3	1ST	6091324		
390240	3738860.4	0.01169	11.14	11.14		0	24-HR	PHASE3	1ST	7022524		
390711.1	3737434.7	0.01779	12.35	12.35		0	24-HR	PHASE3	1ST	7030624		
382505	3738119.5	0.04234	7.74	7.74		0	24-HR	PHASE3	1ST	6102224		
379779.5	3732772.2	0.12084	54.7	54.7		0	24-HR	PHASE3	1ST	7041024		
387235.7	3740097.5	0.01155	4.73	4.73		0	24-HR	PHASE3	1ST	6091424		
391516.9	3740229	0.00723	23.5	109.11		0	24-HR	PHASE3	1ST	7022524		
390617.8	3737565	0.01505	12.28	12.28		0	24-HR	PHASE3	1ST	7030624		
387500.5	3740353.1	0.01115	5.34	5.34		0	24-HR	PHASE3	1ST	7011924		
390378.9	3737447.1	0.01549	11.74	11.74		0	24-HR	PHASE3	1ST	7030624		
379901.1	3736326.2	0.04795	22.1	22.1		0	24-HR	PHASE3	1ST	7070524		
389704.5	3738416.5	0.01342	12.33	12.33		0	24-HR	PHASE3	1ST	7022524		
378829.5	3733698.3	0.0532	92.42	373.72		0	24-HR	PHASE3	1ST	6100924		
381707.2	3738367.6	0.02616	12.07	12.07		0	24-HR	PHASE3	1ST	7071224		
378917.4	3731270.2	0.07142	75.36	105.86		0	24-HR	PHASE3	1ST	7082924		
378789.4	3734119.1	0.04614	91.96	373.72		0	24-HR	PHASE3	1ST	7040324		
387208.7	3741389.4	0.01547	6.26	6.26		0	24-HR	PHASE3	1ST	7060224		
382154.1	3740139.4	0.02033	13.01	13.01		0	24-HR	PHASE3	1ST	6102224		
384710.7	3738921	0.0365	6.88	6.88		0	24-HR	PHASE3	1ST	7042724		
390000.6	3738411.2	0.01352	12.35	12.35		0	24-HR	PHASE3	1ST	7022524		
390132	3737170.5	0.01895	11.14	11.14		0	24-HR	PHASE3	1ST	7030624		
379075.6	3739043.5	0.02913	25.34	25.34		0	24-HR	PHASE3	1ST	6091324		
390394.9	3739421.1	0.00781	8.7	8.7		0	24-HR	PHASE3	1ST	7022524		
392199.9	3737542.4	0.01445	14.61	14.61		0	24-HR	PHASE3	1ST	7030624		
378548.8	3734737.9	0.07183	121.86	373.72		0	24-HR	PHASE3	1ST	6121524		
391347.1	3738946.6	0.0095	7.91	7.91		0	24-HR	PHASE3	1ST	7022524		
386874.7	3740094.4	0.01419	5.31	5.31		0	24-HR	PHASE3	1ST	7060224		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
380266.1	3733528.2	0.13805	37.47	37.47		0	24-HR	PHASE3	1ST	6100924		
381344.1	3732781.9	0.31972	16.48	16.48		0	24-HR	PHASE3	1ST	7083124		
391949.8	3737205.8	0.01197	15.4	15.4		0	24-HR	PHASE3	1ST	6111424		
390141.6	3738052.1	0.01291	11.45	11.45		0	24-HR	PHASE3	1ST	7011924		
389106.1	3736840.3	0.01756	7.17	7.17		0	24-HR	PHASE3	1ST	7030624		
389561.4	3740841.4	0.01142	5.99	5.99		0	24-HR	PHASE3	1ST	7082624		
380237.8	3734076.9	0.21284	39.9	43.98		0	24-HR	PHASE3	1ST	6121524		
379774.2	3736712.5	0.03958	20.61	20.61		0	24-HR	PHASE3	1ST	7021824		
393254.7	3738613.2	0.01333	13.88	13.88		0	24-HR	PHASE3	1ST	7030624		
378895.9	3733697	0.05582	89.37	373.72		0	24-HR	PHASE3	1ST	6100924		
380520.2	3733713.4	0.18885	31.48	31.48		0	24-HR	PHASE3	1ST	6121524		
390061.5	3738683.7	0.01241	11.76	11.76		0	24-HR	PHASE3	1ST	7022524		
392405.1	3738225.3	0.01421	10.83	10.83		0	24-HR	PHASE3	1ST	7030624		
388715	3741181.2	0.01135	6.87	6.87		0	24-HR	PHASE3	1ST	7011924		
387750	3740213	0.01208	5.03	5.03		0	24-HR	PHASE3	1ST	7011924		
391645.3	3738331.1	0.01058	10.22	10.22		0	24-HR	PHASE3	1ST	7011924		
378930.6	3731962.4	0.04542	122.85	128.95		0	24-HR	PHASE3	1ST	7083124		
393020.6	3737276.3	0.00976	17.24	17.24		0	24-HR	PHASE3	1ST	6111424		
381906.7	3737805.8	0.02682	8.24	8.24		0	24-HR	PHASE3	1ST	7071224		
392953.3	3738789.5	0.01072	13.67	13.67		0	24-HR	PHASE3	1ST	7030624		
391116.3	3739135.8	0.01035	7.76	7.76		0	24-HR	PHASE3	1ST	7022524		
387586.5	3739498	0.01537	3.82	3.82		0	24-HR	PHASE3	1ST	7082624		
390673.8	3738048.9	0.0132	11.44	11.44		0	24-HR	PHASE3	1ST	7011924		
388804.7	3740956.8	0.0122	6.54	6.54		0	24-HR	PHASE3	1ST	7082624		
379399.6	3739353.5	0.02328	22.42	22.42		0	24-HR	PHASE3	1ST	7032024		
389657.5	3737997.6	0.01426	11.82	11.82		0	24-HR	PHASE3	1ST	7022524		
390019.8	3740174.5	0.00557	8.39	8.39		0	24-HR	PHASE3	1ST	6112724		
390452.6	3740062.3	0.00452	7.48	7.48		0	24-HR	PHASE3	1ST	6112724		
390612.9	3740148.9	0.00434	7.78	7.78		0	24-HR	PHASE3	1ST	6101524		
391318.2	3739251.2	0.00985	6.69	6.69		0	24-HR	PHASE3	1ST	7022524		
390423.8	3741232.5	0.00799	16.72	16.72		0	24-HR	PHASE3	1ST	7082624		
388936.4	3738067.9	0.01326	10.14	10.14		0	24-HR	PHASE3	1ST	7022524		
383053.2	3739398.7	0.03333	12.95	12.95		0	24-HR	PHASE3	1ST	6091924		
391272.9	3739044.7	0.00994	7.43	7.43		0	24-HR	PHASE3	1ST	7022524		
389338	3739052.2	0.00572	3.89	3.89		0	24-HR	PHASE3	1ST	7022524		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382232.4	3737625.7	0.03369	5.6	5.6		0	24-HR	PHASE3	1ST	6102224		
379024.1	3734606.9	0.08131	99.15	373.72		0	24-HR	PHASE3	1ST	6121524		
389612.7	3741014.5	0.0115	5.95	5.95		0	24-HR	PHASE3	1ST	7082624		
378645.9	3732426.3	0.05988	128.17	153.43		0	24-HR	PHASE3	1ST	6110324		
388939.4	3742316.1	0.00916	7.71	7.71		0	24-HR	PHASE3	1ST	7011924		
391799.6	3737634.6	0.0171	13.64	13.64		0	24-HR	PHASE3	1ST	7030624		
392286.5	3737192.9	0.01146	15.71	15.71		0	24-HR	PHASE3	1ST	6111424		
389099.7	3739674.4	0.00893	4.65	4.65		0	24-HR	PHASE3	1ST	7082624		
389551.7	3740065.5	0.00747	4.99	4.99		0	24-HR	PHASE3	1ST	7082624		
379261.2	3735411.7	0.06522	70.36	373.72		0	24-HR	PHASE3	1ST	6111924		
393495.1	3737276.3	0.01015	19.36	19.36		0	24-HR	PHASE3	1ST	6101724		
389659.2	3738023.1	0.01436	11.9	11.9		0	24-HR	PHASE3	1ST	7022524		
388138.9	3738460.1	0.00864	2.74	2.74		0	24-HR	PHASE3	1ST	7082624		
380464.5	3732913.7	0.18661	29.13	29.13		0	24-HR	PHASE3	1ST	7041024		
389115.7	3741043.3	0.01224	5.95	5.95		0	24-HR	PHASE3	1ST	7082624		
379855.5	3730852.9	0.11256	68.17	68.17		0	24-HR	PHASE3	1ST	6100724		
383617.4	3739732.1	0.04273	11.51	11.51		0	24-HR	PHASE3	1ST	6121624		
387545	3742146.5	0.01574	7.49	7.49		0	24-HR	PHASE3	1ST	7060224		
391613.2	3740245	0.00758	26.03	109.97		0	24-HR	PHASE3	1ST	7022524		
393197	3738674.1	0.01281	14.28	14.28		0	24-HR	PHASE3	1ST	7030624		
390702.7	3739805.8	0.00652	7.78	7.78		0	24-HR	PHASE3	1ST	7022524		
378376	3733474	0.04983	114.36	373.72		0	24-HR	PHASE3	1ST	6101324		
389926.8	3741553.1	0.01297	13.79	13.79		0	24-HR	PHASE3	1ST	7082624		
380553.1	3734292.8	0.11452	36.08	36.08		0	24-HR	PHASE3	1ST	6112124		
391529.8	3738026.5	0.01319	11.14	11.14		0	24-HR	PHASE3	1ST	7030624		
383120.5	3739235.1	0.03162	13.04	13.04		0	24-HR	PHASE3	1ST	6121624		
379979	3739541.5	0.02549	15.69	15.69		0	24-HR	PHASE3	1ST	6102324		
389272.8	3738465.7	0.01072	9.73	9.73		0	24-HR	PHASE3	1ST	7022524		
387532	3739969.3	0.01268	4.43	4.43		0	24-HR	PHASE3	1ST	7011924		
384784.4	3738956.2	0.03724	6.87	6.87		0	24-HR	PHASE3	1ST	7042724		
381516.5	3733913.6	0.29678	6.02	6.02		0	24-HR	PHASE3	1ST	7031024		
390375.7	3737164.1	0.02004	11.74	11.74		0	24-HR	PHASE3	1ST	7030624		
389596.6	3739401.9	0.00496	4.12	4.12		0	24-HR	PHASE3	1ST	6112724		
389615.9	3740559.2	0.00993	5.39	5.39		0	24-HR	PHASE3	1ST	7082624		
390327.6	3737487.9	0.01427	11.74	11.74		0	24-HR	PHASE3	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
389538.9	3737491.1	0.01562	10.27	10.27		0	24-HR	PHASE3	1ST	7011924		
382296.6	3738597.2	0.03192	8.93	8.93		0	24-HR	PHASE3	1ST	6102224		
380274	3736110	0.04359	5.05	5.05		0	24-HR	PHASE3	1ST	7021824		
390058.4	3741261	0.01084	9.5	9.5		0	24-HR	PHASE3	1ST	7082624		
381428.5	3733365.1	0.35391	21.07	21.07		0	24-HR	PHASE3	1ST	6100924		
380102.1	3739332.8	0.02571	16.13	16.13		0	24-HR	PHASE3	1ST	6102324		
379221.5	3733695	0.06856	80.54	373.72		0	24-HR	PHASE3	1ST	6100924		
389529.3	3739139.6	0.00589	4.06	4.06		0	24-HR	PHASE3	1ST	7022524		
389618.8	3741131.3	0.01167	6.32	6.32		0	24-HR	PHASE3	1ST	7082624		
378755.1	3738704.2	0.02642	50.79	50.79		0	24-HR	PHASE3	1ST	7021824		
379092.5	3733700.7	0.06414	82.75	373.72		0	24-HR	PHASE3	1ST	6100924		
390247.4	3738196.4	0.01197	11.32	11.32		0	24-HR	PHASE3	1ST	7022524		
389295.3	3739264	0.0054	3.52	3.52		0	24-HR	PHASE3	1ST	6112724		
390433.4	3741174.8	0.00748	17.13	17.13		0	24-HR	PHASE3	1ST	7082624		
390943.1	3737212.2	0.01934	12.79	12.79		0	24-HR	PHASE3	1ST	7030624		
389869.1	3736696	0.02082	3.34	8.7		0	24-HR	PHASE3	1ST	7030624		
392687.2	3736651.1	0.01202	15.71	15.71		0	24-HR	PHASE3	1ST	6101724		
387535.2	3740498.3	0.01059	5.51	5.51		0	24-HR	PHASE3	1ST	6091424		
390529.6	3740129.6	0.00446	7.48	7.48		0	24-HR	PHASE3	1ST	6112724		
391911.4	3737427	0.01531	14.79	14.79		0	24-HR	PHASE3	1ST	7030624		
392219.1	3739411.5	0.00886	9.57	109.97		0	24-HR	PHASE3	1ST	7011924		
391911.4	3737318	0.01395	15.06	15.06		0	24-HR	PHASE3	1ST	7030624		
380525	3733458.9	0.15782	31.03	31.03		0	24-HR	PHASE3	1ST	6100924		
389789	3742236	0.01019	12.01	29.96		0	24-HR	PHASE3	1ST	7082624		
389789	3742287.3	0.00985	13.36	29.96		0	24-HR	PHASE3	1ST	7082624		
392635.9	3737285.9	0.01079	16.1	16.1		0	24-HR	PHASE3	1ST	6111424		
389199.1	3738584.3	0.00903	10.07	10.07		0	24-HR	PHASE3	1ST	7022524		
389728.1	3737853.4	0.01333	11.48	11.48		0	24-HR	PHASE3	1ST	7011924		
378640.7	3732209.2	0.05653	138.69	138.69		0	24-HR	PHASE3	1ST	7082824		
387310.7	3740277.1	0.01157	5.04	5.04		0	24-HR	PHASE3	1ST	6091424		
378901.4	3733937.6	0.0523	87.22	373.72		0	24-HR	PHASE3	1ST	6100924		
390536	3738202.8	0.01268	11.15	11.15		0	24-HR	PHASE3	1ST	7011924		
388634.8	3741521	0.00962	5.2	5.2		0	24-HR	PHASE3	1ST	7011924		
389558.2	3741149.1	0.01182	6.26	6.26		0	24-HR	PHASE3	1ST	7082624		
392126.2	3737295.5	0.01183	15.35	15.35		0	24-HR	PHASE3	1ST	7030624		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
387620.8	3742283.5	0.01551	7.81	7.81		0	24-HR	PHASE3	1ST	7060224		
378928	3733805.8	0.06238	85.01	373.72		0	24-HR	PHASE3	1ST	6100924		
391513.8	3738375.9	0.01112	10.22	10.22		0	24-HR	PHASE3	1ST	7011924		
390555.2	3737978.4	0.01353	11.71	11.71		0	24-HR	PHASE3	1ST	7011924		
393331.6	3736535.7	0.01413	16.31	16.31		0	24-HR	PHASE3	1ST	7020624		
391898.5	3736808.2	0.01111	15.53	15.53		0	24-HR	PHASE3	1ST	6111424		
382060.3	3731032.8	0.10815	3.12	3.12		0	24-HR	PHASE3	1ST	6120724		
387257.5	3734294.4	0.03561	4.69	4.69		0	24-HR	PHASE3	1ST	7020624		
381513.8	3733823.7	0.30673	5.59	5.59		0	24-HR	PHASE3	1ST	6121524		
382523.3	3738145.5	0.04215	7.72	7.72		0	24-HR	PHASE3	1ST	6102224		
387882.5	3738474.4	0.01242	2.3	2.3		0	24-HR	PHASE3	1ST	7082624		
383093	3734361.3	0.26232	3.58	3.58		0	24-HR	PHASE3	1ST	7042724		
379000	3731000	0.11707	41.03	109.46		0	24-HR	PHASE3	1ST	6120924		
379500	3731000	0.10307	60.4	68.78		0	24-HR	PHASE3	1ST	6120924		
379000	3731500	0.06476	104.46	104.46		0	24-HR	PHASE3	1ST	7012724		
379500	3731500	0.0784	79.39	79.39		0	24-HR	PHASE3	1ST	7013024		
379000	3732000	0.05049	113.91	131.71		0	24-HR	PHASE3	1ST	7083124		
379500	3732000	0.09157	82.05	82.05		0	24-HR	PHASE3	1ST	6110924		
379000	3732500	0.07178	108.5	110.72		0	24-HR	PHASE3	1ST	6110324		
379500	3732500	0.09088	73.07	79.99		0	24-HR	PHASE3	1ST	7082824		
379000	3733000	0.09542	81.43	373.72		0	24-HR	PHASE3	1ST	7020724		
379500	3733000	0.12342	60.4	373.72		0	24-HR	PHASE3	1ST	7020724		
379000	3733500	0.06585	82.69	373.72		0	24-HR	PHASE3	1ST	6101324		
379500	3733500	0.08106	62.88	373.72		0	24-HR	PHASE3	1ST	6101424		
379000	3734000	0.04872	82.64	373.72		0	24-HR	PHASE3	1ST	7051024		
379500	3734000	0.08294	74.28	373.72		0	24-HR	PHASE3	1ST	6121524		
379000	3734500	0.09942	100.44	373.72		0	24-HR	PHASE3	1ST	6121524		
379500	3734500	0.07849	82.31	373.72		0	24-HR	PHASE3	1ST	6121524		
379000	3735000	0.03987	92.28	373.72		0	24-HR	PHASE3	1ST	6112124		
379500	3735000	0.06775	65.2	373.72		0	24-HR	PHASE3	1ST	6111924		
379000	3735500	0.06128	80.63	373.72		0	24-HR	PHASE3	1ST	6111924		
379500	3735500	0.05705	55.48	373.72		0	24-HR	PHASE3	1ST	6090524		
379000	3736000	0.05079	58.69	373.72		0	24-HR	PHASE3	1ST	6090524		
379500	3736000	0.04998	26.4	373.72		0	24-HR	PHASE3	1ST	7031024		
379000	3736500	0.04214	36.45	373.72		0	24-HR	PHASE3	1ST	7031024		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379500	3736500	0.036	23.9	373.72		0	24-HR	PHASE3	1ST	7080424		
379000	3737000	0.03208	42.57	365.37		0	24-HR	PHASE3	1ST	7080424		
379500	3737000	0.04016	39.47	58.35		0	24-HR	PHASE3	1ST	7080324		
379000	3737500	0.03375	74.52	74.52		0	24-HR	PHASE3	1ST	7070524		
379500	3737500	0.03774	69.59	69.59		0	24-HR	PHASE3	1ST	7021824		
379000	3738000	0.03269	76.85	76.85		0	24-HR	PHASE3	1ST	7021824		
379500	3738000	0.03699	42.42	61.98		0	24-HR	PHASE3	1ST	7081924		
379000	3738500	0.02743	59.63	59.63		0	24-HR	PHASE3	1ST	7081924		
379500	3738500	0.0366	38.07	38.34		0	24-HR	PHASE3	1ST	6091324		
379000	3739000	0.02829	29.06	49.95		0	24-HR	PHASE3	1ST	6091324		
379500	3739000	0.02428	17.36	17.36		0	24-HR	PHASE3	1ST	7032024		
379000	3739500	0.02656	25.04	25.04		0	24-HR	PHASE3	1ST	6091324		
379500	3739500	0.02632	21.09	21.09		0	24-HR	PHASE3	1ST	6102324		
379000	3740000	0.02063	22.08	22.08		0	24-HR	PHASE3	1ST	7032024		
379500	3740000	0.02774	22.87	22.87		0	24-HR	PHASE3	1ST	6102324		
379000	3740500	0.02047	17.57	17.57		0	24-HR	PHASE3	1ST	6102324		
379500	3740500	0.02224	15.07	15.07		0	24-HR	PHASE3	1ST	6102324		
390500	3736500	0.0134	1.69	1.69		0	24-HR	PHASE3	1ST	7030624		
391000	3736500	0.01077	4.66	13.27		0	24-HR	PHASE3	1ST	6111424		
390500	3737000	0.02061	11.74	11.74		0	24-HR	PHASE3	1ST	7030624		
391000	3737000	0.01731	12.96	12.96		0	24-HR	PHASE3	1ST	7030624		
390500	3737500	0.0154	12.05	12.05		0	24-HR	PHASE3	1ST	7030624		
391000	3737500	0.01801	12.66	12.66		0	24-HR	PHASE3	1ST	7030624		
390500	3738000	0.0136	11.7	11.7		0	24-HR	PHASE3	1ST	7011924		
391000	3738000	0.01205	11.44	11.44		0	24-HR	PHASE3	1ST	7011924		
390500	3738500	0.01189	10.83	10.83		0	24-HR	PHASE3	1ST	7022524		
391000	3738500	0.01158	10.53	10.53		0	24-HR	PHASE3	1ST	7011924		
390500	3739000	0.0112	10.03	10.03		0	24-HR	PHASE3	1ST	7022524		
391000	3739000	0.0107	8.46	8.46		0	24-HR	PHASE3	1ST	7022524		
390500	3739500	0.00768	8.39	8.39		0	24-HR	PHASE3	1ST	7022524		
391000	3739500	0.00921	7.47	7.47		0	24-HR	PHASE3	1ST	7022524		
390500	3740000	0.00459	7.48	7.48		0	24-HR	PHASE3	1ST	6101524		
391000	3740000	0.00629	7.48	7.48		0	24-HR	PHASE3	1ST	7022524		
390500	3740500	0.00499	8.24	8.24		0	24-HR	PHASE3	1ST	6112724		
391000	3740500	0.00433	18.7	18.7		0	24-HR	PHASE3	1ST	6112724		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379250	3730750	0.09597	11.17	107.01		0	24-HR	PHASE3	1ST	6100724		
379750	3730750	0.11724	48.13	94.94		0	24-HR	PHASE3	1ST	6100724		
379250	3731250	0.09064	74.39	101.48		0	24-HR	PHASE3	1ST	6120924		
379750	3731250	0.12934	72.44	72.44		0	24-HR	PHASE3	1ST	6120924		
379250	3731750	0.09112	84.78	128.95		0	24-HR	PHASE3	1ST	6110924		
379750	3731750	0.09913	76.59	76.59		0	24-HR	PHASE3	1ST	7082924		
379250	3732250	0.08111	86.27	133.26		0	24-HR	PHASE3	1ST	7083124		
379750	3732250	0.08264	72.42	72.42		0	24-HR	PHASE3	1ST	7083124		
379250	3732750	0.08984	75.22	372.29		0	24-HR	PHASE3	1ST	7041024		
379750	3732750	0.11691	55.85	55.85		0	24-HR	PHASE3	1ST	7041024		
379250	3733250	0.11858	68.45	373.72		0	24-HR	PHASE3	1ST	7020724		
379750	3733250	0.16173	48.71	373.72		0	24-HR	PHASE3	1ST	7020724		
379250	3733750	0.07157	77.54	373.72		0	24-HR	PHASE3	1ST	6100924		
379750	3733750	0.09072	55.91	373.72		0	24-HR	PHASE3	1ST	6100924		
379250	3734250	0.11074	90.94	373.72		0	24-HR	PHASE3	1ST	6121524		
379750	3734250	0.15664	59.3	373.72		0	24-HR	PHASE3	1ST	6121524		
379250	3734750	0.04858	89.09	373.72		0	24-HR	PHASE3	1ST	7012724		
379750	3734750	0.06521	59.46	373.72		0	24-HR	PHASE3	1ST	6112124		
379250	3735250	0.06661	77.27	373.72		0	24-HR	PHASE3	1ST	6111924		
379750	3735250	0.06021	28.95	373.72		0	24-HR	PHASE3	1ST	6090524		
379250	3735750	0.05482	54.65	373.72		0	24-HR	PHASE3	1ST	6090524		
379750	3735750	0.05742	28.82	373.72		0	24-HR	PHASE3	1ST	7031024		
379250	3736250	0.04744	43.73	373.72		0	24-HR	PHASE3	1ST	7031024		
379750	3736250	0.0415	25.6	373.72		0	24-HR	PHASE3	1ST	7070524		
379250	3736750	0.03498	36.5	373.72		0	24-HR	PHASE3	1ST	7080424		
379750	3736750	0.0399	22.98	22.98		0	24-HR	PHASE3	1ST	7021824		
379250	3737250	0.03675	64.85	64.85		0	24-HR	PHASE3	1ST	7070524		
379750	3737250	0.03948	58.14	58.14		0	24-HR	PHASE3	1ST	7021824		
379250	3737750	0.0372	53.88	78.01		0	24-HR	PHASE3	1ST	7021824		
379750	3737750	0.03601	18.69	75.73		0	24-HR	PHASE3	1ST	6091324		
379250	3738250	0.03244	61.47	68.24		0	24-HR	PHASE3	1ST	7081924		
379750	3738250	0.03595	29.11	49.69		0	24-HR	PHASE3	1ST	6091324		
379250	3738750	0.03416	45.16	45.16		0	24-HR	PHASE3	1ST	6091324		
379750	3738750	0.0266	18.86	18.86		0	24-HR	PHASE3	1ST	6102324		
379250	3739250	0.02572	21.29	21.29		0	24-HR	PHASE3	1ST	6091324		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
379750	3739250	0.02868	13.02	13.02		0	24-HR	PHASE3	1ST	6102324		
379250	3739750	0.02113	23.67	23.67		0	24-HR	PHASE3	1ST	6102324		
379750	3739750	0.02669	15.39	15.39		0	24-HR	PHASE3	1ST	6102324		
379250	3740250	0.02385	17.24	17.24		0	24-HR	PHASE3	1ST	6102324		
379750	3740250	0.02232	22.41	22.41		0	24-HR	PHASE3	1ST	7011024		
390250	3736750	0.0204	10.11	10.11		0	24-HR	PHASE3	1ST	7030624		
390750	3736750	0.01575	12.22	12.22		0	24-HR	PHASE3	1ST	7030624		
390250	3737250	0.01831	11.55	11.55		0	24-HR	PHASE3	1ST	7030624		
390750	3737250	0.01969	12.35	12.35		0	24-HR	PHASE3	1ST	7030624		
390250	3737750	0.01429	11.73	11.73		0	24-HR	PHASE3	1ST	7011924		
390750	3737750	0.01256	12.05	12.05		0	24-HR	PHASE3	1ST	7030624		
390250	3738250	0.01217	11.15	11.15		0	24-HR	PHASE3	1ST	7022524		
390750	3738250	0.01265	11.14	11.14		0	24-HR	PHASE3	1ST	7011924		
390250	3738750	0.01225	11.44	11.44		0	24-HR	PHASE3	1ST	7022524		
390750	3738750	0.01139	9.91	9.91		0	24-HR	PHASE3	1ST	7022524		
390250	3739250	0.00867	9.6	9.6		0	24-HR	PHASE3	1ST	7022524		
390750	3739250	0.01017	8.39	8.39		0	24-HR	PHASE3	1ST	7022524		
390250	3739750	0.00488	8.39	8.39		0	24-HR	PHASE3	1ST	6101524		
390750	3739750	0.00709	7.71	7.71		0	24-HR	PHASE3	1ST	7022524		
390250	3740250	0.00511	7.45	7.45		0	24-HR	PHASE3	1ST	6112724		
390750	3740250	0.0043	7.82	7.82		0	24-HR	PHASE3	1ST	6101524		
383250	3733750	0.31304	2.18	2.18		0	24-HR	PHASE3	1ST	7011924		
383500	3734000	0.17055	1.63	1.63		0	24-HR	PHASE3	1ST	7011924		
383750	3734250	0.10566	3.1	3.1		0	24-HR	PHASE3	1ST	7011924		
383750	3733750	0.24696	0	0		0	24-HR	PHASE3	1ST	7030624		
383250	3733250	1.09157	2.15	2.15		0	24-HR	PHASE3	1ST	6092724		
383500	3733500	0.34073	0	0		0	24-HR	PHASE3	1ST	7020624		
383750	3733250	0.50267	0	0		0	24-HR	PHASE3	1ST	6092724		
384000	3733500	0.20662	0	0		0	24-HR	PHASE3	1ST	6092724		
382610.9	3733260.9	10.58037	0	0		0	24-HR	PHASE3	1ST	7011924		
382658.1	3733187	14.03972	0	0		0	24-HR	PHASE3	1ST	6092724		
382676.1	3733156.5	14.73529	0	0		0	24-HR	PHASE3	1ST	7020124		
382685	3733141.5	13.20897	0	0		0	24-HR	PHASE3	1ST	7020124		
382673.1	3733100.6	14.76934	0	0		0	24-HR	PHASE3	1ST	7013124		
382637.4	3733087	17.81352	0	0		0	24-HR	PHASE3	1ST	7013124		

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382602.9	3733074.3	18.5144	0	0	0	24-HR	PHASE3	1ST	6120524			
382602.1	3733051.1	12.81336	0	3.43	0	24-HR	PHASE3	1ST	6120524			
382581.2	3733049.8	14.64144	2.04	2.04	0	24-HR	PHASE3	1ST	6120624			
382572.8	3733069.1	18.08447	2.99	3.17	0	24-HR	PHASE3	1ST	6120624			
382562.2	3733087.9	22.46223	2.92	2.92	0	24-HR	PHASE3	1ST	6120624			
382520.6	3733122.6	20.09472	3.16	3.16	0	24-HR	PHASE3	1ST	7010424			
382542	3733133.8	33.4755	3.17	3.17	0	24-HR	PHASE3	1ST	6120624			
382527	3733163.3	40.39647	3.39	3.39	0	24-HR	PHASE3	1ST	6120924			
382499.2	3733148.7	29.47745	3.05	3.05	0	24-HR	PHASE3	1ST	6110924			
382494.4	3733167	29.7565	2.92	2.92	0	24-HR	PHASE3	1ST	6110924			
382489.7	3733185.4	24.77623	3.22	3.22	0	24-HR	PHASE3	1ST	7020724			
382484.6	3733267.6	8.21045	4.28	4.28	0	24-HR	PHASE3	1ST	7032324			
382502.1	3733248.2	13.21746	3.72	3.72	0	24-HR	PHASE3	1ST	6121524			
382553	3733272	13.30571	0.96	2.92	0	24-HR	PHASE3	1ST	6091924			
382560.1	3733276.2	12.98906	0.42	0.42	0	24-HR	PHASE3	1ST	6121624			
382579.7	3733242.7	17.78773	0.37	0.37	0	24-HR	PHASE3	1ST	6121624			
382591.6	3733249.3	13.78989	0.05	0.05	0	24-HR	PHASE3	1ST	7011924			
382588.7	3733254.4	13.38188	0	0	0	24-HR	PHASE3	1ST	6121624			
382598.5	3733259.7	11.21777	0	0	0	24-HR	PHASE3	1ST	7011924			
382602	3733255.4	11.9813	0	0	0	24-HR	PHASE3	1ST	7011924			
382626.6	3733236.3	11.07103	0	0	0	24-HR	PHASE3	1ST	7011924			
382642.4	3733211.6	10.8555	0	0	0	24-HR	PHASE3	1ST	6092724			
382667.1	3733171.7	15.03763	0	0	0	24-HR	PHASE3	1ST	7020124			
382679	3733121	12.3705	0	0	0	24-HR	PHASE3	1ST	7020124			
382655.2	3733093.8	18.10191	0	0	0	24-HR	PHASE3	1ST	7013124			
382620.1	3733080.7	19.10874	0	0	0	24-HR	PHASE3	1ST	6120524			
382541.4	3733105.3	19.81421	3.16	3.16	0	24-HR	PHASE3	1ST	6120624			
382534.5	3733148.5	39.75268	3.25	3.25	0	24-HR	PHASE3	1ST	7010424			
382513.1	3733156	37.16469	3.26	3.26	0	24-HR	PHASE3	1ST	6110924			
382488	3733212.8	30.05986	3.58	3.58	0	24-HR	PHASE3	1ST	6121524			
382486.3	3733240.2	16.80557	3.91	3.91	0	24-HR	PHASE3	1ST	6121524			
382527.6	3733260.1	12.44063	3.23	3.23	0	24-HR	PHASE3	1ST	7040524			
382569.9	3733259.5	16.51733	0.35	2.92	0	24-HR	PHASE3	1ST	6121624			

ALBS Dispersion Modeling: Mitigated

		Phase 1	Phase 2	Phase 3	Max	Background	Max + Background	Standard
CO	1Hr	1,562	915	2,151	2,151	4,600	6,751	23000
	8Hr	423	329	619	619	2,878	3,496	10000
NO2	1Hr - NAAQS	395	290	332	395	147	542	188
	1Hr	478	309	410	478	235	713	339
	Annual	1.6	1.4	1.7	2	40	42	57
PM10	24Hr	15.2	12.5	17.8	17.8	NA	NA	10.4
	Annual	0.11	0.08	0.15	0.2	NA	NA	1
PM2.5	24Hr	13.9	11.5	15.4	15.4	NA	NA	10.4
	Annual	-	-	-	-	NA	NA	1

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

											Impact	**Type**
382707.85	3,733,112.64	547.21	0	0	0	1-HR	PHASE1	1ST	7021007	547.21	ALBS
382683.73	3,733,072.49	502.57	0	0	0	1-HR	PHASE1	1ST	7030807	502.57	ALBS
382647.97	3,733,058.95	492.53	0	0	0	1-HR	PHASE1	1ST	6121407	492.53	ALBS
382613.22	3,733,046.18	501.11	0	0	0	1-HR	PHASE1	1ST	6111007	501.11	ALBS
382583.03	3,733,019.88	416.23	1.81	1.81	0	1-HR	PHASE1	1ST	6111807	416.23	ALBS
382553.66	3,733,037.88	500.40	3.46	3.46	0	1-HR	PHASE1	1ST	6110207	500.40	ALBS
382536.08	3,733,073.24	592.40	3.18	3.18	0	1-HR	PHASE1	1ST	7072606	592.40	ALBS
382501.43	3,733,099.54	731.77	3.16	3.16	0	1-HR	PHASE1	1ST	6101706	731.77	ALBS
382483.38	3,733,121.59	870.42	3.21	3.21	0	1-HR	PHASE1	1ST	6120906	870.42	ALBS
382470.23	3,733,141.02	1,024.98	3.16	3.16	0	1-HR	PHASE1	1ST	7042206	1,024.98	ALBS
382460.59	3,733,177.95	1,561.95	3.66	3.66	0	1-HR	PHASE1	1ST	7072506	1,561.95	ALBS
382458.02	3,733,210.98	1,540.32	4.16	4.16	0	1-HR	PHASE1	1ST	6110907	1,540.32	ALBS
382456.33	3,733,238.39	1,333.31	4.61	4.61	0	1-HR	PHASE1	1ST	6110306	1,333.31	ALBS
382454.65	3,733,265.80	1,333.31	5.12	5.12	0	1-HR	PHASE1	1ST	7021807	1,333.31	ALBS
382489.93	3,733,291.51	1,333.31	4.49	4.49	0	1-HR	PHASE1	1ST	6121506	1,333.31	ALBS
382518.43	3,733,301.17	1,333.31	2.67	2.67	0	1-HR	PHASE1	1ST	6121506	NA	Overwater
382610.87	3,733,260.89	1,333.31	0	0	0	1-HR	PHASE1	1ST	7021406	NA	Overwater
382658.09	3,733,187.01	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382676.06	3,733,156.45	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382684.97	3,733,141.45	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382673.11	3,733,100.55	1,333.31	0	0	0	1-HR	PHASE1	1ST	7030807	NA	Overwater
382637.35	3,733,087.01	1,333.31	0	0	0	1-HR	PHASE1	1ST	6121407	NA	Fenceline
382602.87	3,733,074.34	1,333.31	0	0	0	1-HR	PHASE1	1ST	6111007	NA	Fenceline
382602.05	3,733,051.11	1,333.31	0	3.43	0	1-HR	PHASE1	1ST	6111007	1,333.31	ALBS
382581.18	3,733,049.82	1,333.31	2.04	2.04	0	1-HR	PHASE1	1ST	6111807	NA	Fenceline
382572.84	3,733,069.05	1,333.31	2.99	3.17	0	1-HR	PHASE1	1ST	6110207	NA	Fenceline
382562.24	3,733,087.93	1,333.31	2.92	2.92	0	1-HR	PHASE1	1ST	6110207	NA	Fenceline
382520.63	3,733,122.59	1,333.31	3.16	3.16	0	1-HR	PHASE1	1ST	7072606	NA	Fenceline
382541.95	3,733,133.76	1,333.31	3.17	3.17	0	1-HR	PHASE1	1ST	7072606	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382526.98	3,733,163.31	1,333.31	3.39	3.39	0	1-HR	PHASE1	1ST	6101706	NA	Fenceline
382499.23	3,733,148.70	1,333.31	3.05	3.05	0	1-HR	PHASE1	1ST	6120906	NA	Fenceline
382494.38	3,733,167.01	1,333.31	2.92	2.92	0	1-HR	PHASE1	1ST	7042206	NA	Fenceline
382489.65	3,733,185.42	1,333.31	3.22	3.22	0	1-HR	PHASE1	1ST	7072506	NA	Fenceline
382484.59	3,733,267.64	1,333.31	4.28	4.28	0	1-HR	PHASE1	1ST	7021807	1,333.31	ALBS
382502.13	3,733,248.17	1,333.31	3.72	3.72	0	1-HR	PHASE1	1ST	7082806	NA	Fenceline
382552.99	3,733,272.03	1,333.31	0.96	2.92	0	1-HR	PHASE1	1ST	6110306	NA	Fenceline
382560.13	3,733,276.21	1,333.31	0.42	0.42	0	1-HR	PHASE1	1ST	6110306	NA	Overwater
382579.71	3,733,242.72	1,333.31	0.37	0.37	0	1-HR	PHASE1	1ST	6101706	NA	Overwater
382591.57	3,733,249.31	1,333.31	0.05	0.05	0	1-HR	PHASE1	1ST	6101706	NA	Overwater
382588.68	3,733,254.36	1,333.31	0	0	0	1-HR	PHASE1	1ST	6120906	NA	Overwater
382598.46	3,733,259.71	1,333.31	0	0	0	1-HR	PHASE1	1ST	6101706	NA	Overwater
382601.96	3,733,255.41	1,333.31	0	0	0	1-HR	PHASE1	1ST	7072606	NA	Overwater
382626.61	3,733,236.26	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382642.35	3,733,211.64	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382667.08	3,733,171.73	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382679.04	3,733,121.00	1,333.31	0	0	0	1-HR	PHASE1	1ST	6110807	NA	Overwater
382655.23	3,733,093.78	1,333.31	0	0	0	1-HR	PHASE1	1ST	6090306	NA	Overwater
382620.11	3,733,080.68	1,333.31	0	0	0	1-HR	PHASE1	1ST	6111007	NA	FENCEINT
382541.44	3,733,105.26	1,333.31	3.16	3.16	0	1-HR	PHASE1	1ST	7072606	NA	FENCEINT
382534.46	3,733,148.54	1,333.31	3.25	3.25	0	1-HR	PHASE1	1ST	7072606	NA	FENCEINT
382513.11	3,733,156.01	1,333.31	3.26	3.26	0	1-HR	PHASE1	1ST	6101706	NA	FENCEINT
382487.96	3,733,212.83	1,333.31	3.58	3.58	0	1-HR	PHASE1	1ST	6111907	NA	FENCEINT
382486.28	3,733,240.23	1,333.31	3.91	3.91	0	1-HR	PHASE1	1ST	6110306	NA	FENCEINT
382527.56	3,733,260.10	1,333.31	3.23	3.23	0	1-HR	PHASE1	1ST	6110306	NA	FENCEINT
382569.92	3,733,259.47	1,333.31	0.35	2.92	0	1-HR	PHASE1	1ST	6111907	NA	Overwater

** CONCUNIT ug /m^3
** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

										Impact	**Type**
382707.85	3733112.6	914.8353	0	0	0	1-HR	PHASE2	1ST	6121407	914.84	ALBS
382683.73	3733072.5	535.9267	0	0	0	1-HR	PHASE2	1ST	6111807	535.93	ALBS
382647.97	3733059	431.883	0	0	0	1-HR	PHASE2	1ST	6110207	431.88	ALBS
382613.22	3733046.2	376.2105	0	0	0	1-HR	PHASE2	1ST	7072606	376.21	ALBS
382583.03	3733019.9	323.4878	1.81	1.81	0	1-HR	PHASE2	1ST	7072606	323.49	ALBS
382553.66	3733037.9	332.9849	3.46	3.46	0	1-HR	PHASE2	1ST	6101706	332.98	ALBS
382536.08	3733073.2	380.1335	3.18	3.18	0	1-HR	PHASE2	1ST	6120906	380.13	ALBS
382501.43	3733099.5	468.3443	3.16	3.16	0	1-HR	PHASE2	1ST	7072506	468.34	ALBS
382483.38	3733121.6	487.237	3.21	3.21	0	1-HR	PHASE2	1ST	6111907	487.24	ALBS
382470.23	3733141	446.6067	3.16	3.16	0	1-HR	PHASE2	1ST	6111907	446.61	ALBS
382460.59	3733178	448.9304	3.66	3.66	0	1-HR	PHASE2	1ST	6110306	448.93	ALBS
382458.02	3733211	414.0763	4.16	4.16	0	1-HR	PHASE2	1ST	7021807	414.08	ALBS
382456.33	3733238.4	372.0129	4.61	4.61	0	1-HR	PHASE2	1ST	7051106	372.01	ALBS
382454.65	3733265.8	366.3637	5.12	5.12	0	1-HR	PHASE2	1ST	6121506	366.36	ALBS
382489.93	3733291.5	420.419	4.49	4.49	0	1-HR	PHASE2	1ST	6121506	420.42	ALBS
382518.43	3733301.2	496.4808	2.67	2.67	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382610.87	3733260.9	853.5211	0	0	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382658.09	3733187	770.4889	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382676.06	3733156.5	910.7446	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382684.97	3733141.5	967.5928	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382673.11	3733100.6	612.9351	0	0	0	1-HR	PHASE2	1ST	6110207	NA	Overwater
382637.35	3733087	464.6586	0	0	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382602.87	3733074.3	416.9782	0	0	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382602.05	3733051.1	378.7881	0	3.43	0	1-HR	PHASE2	1ST	7072606	378.79	ALBS
382581.18	3733049.8	356.0405	2.04	2.04	0	1-HR	PHASE2	1ST	7072606	NA	Fenceline
382572.84	3733069.1	388.1585	2.99	3.17	0	1-HR	PHASE2	1ST	6101706	NA	Fenceline

382562.24	3733087.9	429.336	2.92	2.92	0	1-HR	PHASE2	1ST	6101706	NA	Fenceline
382520.63	3733122.6	573.9681	3.16	3.16	0	1-HR	PHASE2	1ST	7072506	NA	Fenceline
382541.95	3733133.8	638.3826	3.17	3.17	0	1-HR	PHASE2	1ST	7072506	NA	Fenceline
382526.98	3733163.3	718.4142	3.39	3.39	0	1-HR	PHASE2	1ST	6111907	NA	Fenceline
382499.23	3733148.7	566.7272	3.05	3.05	0	1-HR	PHASE2	1ST	6111907	NA	Fenceline
382494.38	3733167	534.4422	2.92	2.92	0	1-HR	PHASE2	1ST	6110907	NA	Fenceline
382489.65	3733185.4	538.662	3.22	3.22	0	1-HR	PHASE2	1ST	6110306	NA	Fenceline
382484.59	3733267.6	437.633	4.28	4.28	0	1-HR	PHASE2	1ST	6121506	437.63	ALBS
382502.13	3733248.2	474.2584	3.72	3.72	0	1-HR	PHASE2	1ST	6121506	NA	Fenceline
382552.99	3733272	654.6809	0.96	2.92	0	1-HR	PHASE2	1ST	6121506	NA	Fenceline
382560.13	3733276.2	700.5372	0.42	0.42	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382579.71	3733242.7	727.1575	0.37	0.37	0	1-HR	PHASE2	1ST	6121506	NA	Overwater
382591.57	3733249.3	742.9231	0.05	0.05	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382588.68	3733254.4	743.6083	0	0	0	1-HR	PHASE2	1ST	6121506	NA	Overwater
382598.46	3733259.7	818.77	0	0	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382601.96	3733255.4	816.392	0	0	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382626.61	3733236.3	757.109	0	0	0	1-HR	PHASE2	1ST	6111906	NA	Overwater
382642.35	3733211.6	638.2389	0	0	0	1-HR	PHASE2	1ST	7072606	NA	Overwater
382667.08	3733171.7	843.3984	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382679.04	3733121	746.6695	0	0	0	1-HR	PHASE2	1ST	6111007	NA	Overwater
382655.23	3733093.8	529.2553	0	0	0	1-HR	PHASE2	1ST	6110207	NA	Overwater
382620.11	3733080.7	437.9097	0	0	0	1-HR	PHASE2	1ST	7072606	NA	FENCEINT
382541.44	3733105.3	464.1733	3.16	3.16	0	1-HR	PHASE2	1ST	7042206	NA	FENCEINT
382534.46	3733148.5	724.8215	3.25	3.25	0	1-HR	PHASE2	1ST	7072506	NA	FENCEINT
382513.11	3733156	634.274	3.26	3.26	0	1-HR	PHASE2	1ST	6111907	NA	FENCEINT
382487.96	3733212.8	488.5486	3.58	3.58	0	1-HR	PHASE2	1ST	7021807	NA	FENCEINT
382486.28	3733240.2	428.721	3.91	3.91	0	1-HR	PHASE2	1ST	7051106	NA	FENCEINT
382527.56	3733260.1	568.1938	3.23	3.23	0	1-HR	PHASE2	1ST	6121506	NA	FENCEINT
382569.92	3733259.5	761.9277	0.35	2.92	0	1-HR	PHASE2	1ST	6121506	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.85	3733112.6	1041.296	0	0	0	1-HR	PHASE3	1ST	6103107		1,041.30	ALBS
382683.73	3733072.5	1034.259	0	0	0	1-HR	PHASE3	1ST	7013107		1,034.26	ALBS
382647.97	3733059	1167.864	0	0	0	1-HR	PHASE3	1ST	7021007		1,167.86	ALBS
382613.22	3733046.2	1099.886	0	0	0	1-HR	PHASE3	1ST	6090306		1,099.89	ALBS
382583.03	3733019.9	985.337	1.81	1.81	0	1-HR	PHASE3	1ST	6111007		985.34	ALBS
382553.66	3733037.9	944.1224	3.46	3.46	0	1-HR	PHASE3	1ST	6111807		944.12	ALBS
382536.08	3733073.2	1404.551	3.18	3.18	0	1-HR	PHASE3	1ST	6110207		1,404.55	ALBS
382501.43	3733099.5	1621.045	3.16	3.16	0	1-HR	PHASE3	1ST	6101706		1,621.04	ALBS
382483.38	3733121.6	2150.837	3.21	3.21	0	1-HR	PHASE3	1ST	7072506		2,150.84	ALBS
382470.23	3733141	2072.265	3.16	3.16	0	1-HR	PHASE3	1ST	6111907		2,072.26	ALBS
382460.59	3733178	1880.881	3.66	3.66	0	1-HR	PHASE3	1ST	7041006		1,880.88	ALBS
382458.02	3733211	1661.139	4.16	4.16	0	1-HR	PHASE3	1ST	6121506		1,661.14	ALBS
382456.33	3733238.4	1426.601	4.61	4.61	0	1-HR	PHASE3	1ST	6111906		1,426.60	ALBS
382454.65	3733265.8	1029.725	5.12	5.12	0	1-HR	PHASE3	1ST	6090506		1,029.72	ALBS
382489.93	3733291.5	1034.103	4.49	4.49	0	1-HR	PHASE3	1ST	6102306		1,034.10	ALBS
382518.43	3733301.2	915.7507	2.67	2.67	0	1-HR	PHASE3	1ST	7030707		NA	Overwater
382610.87	3733260.9	1167.083	0	0	0	1-HR	PHASE3	1ST	7060206		NA	Overwater
382658.09	3733187	1474.957	0	0	0	1-HR	PHASE3	1ST	6092707		NA	Overwater
382676.06	3733156.5	1425.931	0	0	0	1-HR	PHASE3	1ST	7021406		NA	Overwater
382684.97	3733141.5	1278.186	0	0	0	1-HR	PHASE3	1ST	7021406		NA	Overwater
382673.11	3733100.6	1259.512	0	0	0	1-HR	PHASE3	1ST	6102906		NA	Overwater
382637.35	3733087	1468.871	0	0	0	1-HR	PHASE3	1ST	7013106		NA	Fenceline
382602.87	3733074.3	1456.38	0	0	0	1-HR	PHASE3	1ST	7030807		NA	Fenceline
382602.05	3733051.1	1165.045	0	3.43	0	1-HR	PHASE3	1ST	6090306		1,165.04	ALBS
382581.18	3733049.8	1254.663	2.04	2.04	0	1-HR	PHASE3	1ST	6111007		NA	Fenceline
382572.84	3733069.1	1522.171	2.99	3.17	0	1-HR	PHASE3	1ST	6111007		NA	Fenceline
382562.24	3733087.9	1829.438	2.92	2.92	0	1-HR	PHASE3	1ST	6111007		NA	Fenceline

382520.63	3733122.6	2428.316	3.16	3.16	0	1-HR	PHASE3	1ST	6101706	NA	Fenceline
382541.95	3733133.8	3076.591	3.17	3.17	0	1-HR	PHASE3	1ST	6110207	NA	Fenceline
382526.98	3733163.3	3068.67	3.39	3.39	0	1-HR	PHASE3	1ST	7072506	NA	Fenceline
382499.23	3733148.7	2937.761	3.05	3.05	0	1-HR	PHASE3	1ST	6111907	NA	Fenceline
382494.38	3733167	2830.893	2.92	2.92	0	1-HR	PHASE3	1ST	7083106	NA	Fenceline
382489.65	3733185.4	2597.575	3.22	3.22	0	1-HR	PHASE3	1ST	7021807	NA	Fenceline
382484.59	3733267.6	1146.415	4.28	4.28	0	1-HR	PHASE3	1ST	7021806	1,146.42	ALBS
382502.13	3733248.2	1580.141	3.72	3.72	0	1-HR	PHASE3	1ST	7021806	NA	Fenceline
382552.99	3733272	1734.793	0.96	2.92	0	1-HR	PHASE3	1ST	6091906	NA	Fenceline
382560.13	3733276.2	1696.055	0.42	0.42	0	1-HR	PHASE3	1ST	7072706	NA	Overwater
382579.71	3733242.7	2182.045	0.37	0.37	0	1-HR	PHASE3	1ST	7042706	NA	Overwater
382591.57	3733249.3	1652.124	0.05	0.05	0	1-HR	PHASE3	1ST	7042706	NA	Overwater
382588.68	3733254.4	1754.726	0	0	0	1-HR	PHASE3	1ST	7042706	NA	Overwater
382598.46	3733259.7	1433.46	0	0	0	1-HR	PHASE3	1ST	7060206	NA	Overwater
382601.96	3733255.4	1378.659	0	0	0	1-HR	PHASE3	1ST	7060206	NA	Overwater
382626.61	3733236.3	1342.614	0	0	0	1-HR	PHASE3	1ST	7030607	NA	Overwater
382642.35	3733211.6	1481.951	0	0	0	1-HR	PHASE3	1ST	7020608	NA	Overwater
382667.08	3733171.7	1412.44	0	0	0	1-HR	PHASE3	1ST	6101007	NA	Overwater
382679.04	3733121	1284.92	0	0	0	1-HR	PHASE3	1ST	6103107	NA	Overwater
382655.23	3733093.8	1365.844	0	0	0	1-HR	PHASE3	1ST	7013107	NA	Overwater
382620.11	3733080.7	1558.044	0	0	0	1-HR	PHASE3	1ST	6110807	NA	FENCEINT
382541.44	3733105.3	2111.518	3.16	3.16	0	1-HR	PHASE3	1ST	6110207	NA	FENCEINT
382534.46	3733148.5	3072.479	3.25	3.25	0	1-HR	PHASE3	1ST	6101706	NA	FENCEINT
382513.11	3733156	3300.484	3.26	3.26	0	1-HR	PHASE3	1ST	6111907	NA	FENCEINT
382487.96	3733212.8	2323.505	3.58	3.58	0	1-HR	PHASE3	1ST	6111906	NA	FENCEINT
382486.28	3733240.2	1619.796	3.91	3.91	0	1-HR	PHASE3	1ST	6090506	NA	FENCEINT
382527.56	3733260.1	1571.119	3.23	3.23	0	1-HR	PHASE3	1ST	6102306	NA	FENCEINT
382569.92	3733259.5	1960.462	0.35	2.92	0	1-HR	PHASE3	1ST	7072706	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	209.677	0	0	0	8-HR	PHASE1	1ST	7022108		209.68	ALBS
382683.7	3733072.5	183.866	0	0	0	8-HR	PHASE1	1ST	6122608		183.87	ALBS
382648	3733059	176.8251	0	0	0	8-HR	PHASE1	1ST	6122408		176.83	ALBS
382613.2	3733046.2	152.5714	0	0	0	8-HR	PHASE1	1ST	6120608		152.57	ALBS
382583	3733019.9	121.535	1.81	1.81	0	8-HR	PHASE1	1ST	6120608		121.54	ALBS
382553.7	3733037.9	104.2252	3.46	3.46	0	8-HR	PHASE1	1ST	6120708		104.23	ALBS
382536.1	3733073.2	128.3234	3.18	3.18	0	8-HR	PHASE1	1ST	6120708		128.32	ALBS
382501.4	3733099.5	155.4397	3.16	3.16	0	8-HR	PHASE1	1ST	7011108		155.44	ALBS
382483.4	3733121.6	162.7058	3.21	3.21	0	8-HR	PHASE1	1ST	7011108		162.71	ALBS
382470.2	3733141	240.3326	3.16	3.16	0	8-HR	PHASE1	1ST	6120908		240.33	ALBS
382460.6	3733178	363.6414	3.66	3.66	0	8-HR	PHASE1	1ST	6120908		363.64	ALBS
382458	3733211	304.2615	4.16	4.16	0	8-HR	PHASE1	1ST	7012708		304.26	ALBS
382456.3	3733238.4	283.6299	4.61	4.61	0	8-HR	PHASE1	1ST	7020708		283.63	ALBS
382454.7	3733265.8	342.6785	5.12	5.12	0	8-HR	PHASE1	1ST	6121508		342.68	ALBS
382489.9	3733291.5	390.5111	4.49	4.49	0	8-HR	PHASE1	1ST	6121508		390.51	ALBS
382518.4	3733301.2	453.6634	2.67	2.67	0	8-HR	PHASE1	1ST	6121508		NA	Overwater
382610.9	3733260.9	589.6071	0	0	0	8-HR	PHASE1	1ST	7020108		NA	Overwater
382658.1	3733187	362.7815	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382676.1	3733156.5	288.5176	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382685	3733141.5	256.8739	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382673.1	3733100.6	217.4919	0	0	0	8-HR	PHASE1	1ST	6122608		NA	Overwater
382637.4	3733087	207.3162	0	0	0	8-HR	PHASE1	1ST	6122408		NA	Fenceline
382602.9	3733074.3	174.8997	0	0	0	8-HR	PHASE1	1ST	6122408		NA	Fenceline
382602.1	3733051.1	154.4538	0	3.43	0	8-HR	PHASE1	1ST	6120608		154.45	ALBS
382581.2	3733049.8	143.179	2.04	2.04	0	8-HR	PHASE1	1ST	6120608		NA	Fenceline
382572.8	3733069.1	153.3754	2.99	3.17	0	8-HR	PHASE1	1ST	6120608		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382562.2	3733087.9	159.2316	2.92	2.92	0	8-HR	PHASE1	1ST	6120608		NA	Fenceline
382520.6	3733122.6	182.9049	3.16	3.16	0	8-HR	PHASE1	1ST	7011108		NA	Fenceline
382542	3733133.8	247.0973	3.17	3.17	0	8-HR	PHASE1	1ST	7012608		NA	Fenceline
382527	3733163.3	314.6151	3.39	3.39	0	8-HR	PHASE1	1ST	7012608		NA	Fenceline
382499.2	3733148.7	223.6088	3.05	3.05	0	8-HR	PHASE1	1ST	6120908		NA	Fenceline
382494.4	3733167	350.2561	2.92	2.92	0	8-HR	PHASE1	1ST	6120908		NA	Fenceline
382489.7	3733185.4	493.8644	3.22	3.22	0	8-HR	PHASE1	1ST	6120908		NA	Fenceline
382484.6	3733267.6	423.4654	4.28	4.28	0	8-HR	PHASE1	1ST	6121508		423.47	ALBS
382502.1	3733248.2	445.7083	3.72	3.72	0	8-HR	PHASE1	1ST	6121508		NA	Fenceline
382553	3733272	480.1707	0.96	2.92	0	8-HR	PHASE1	1ST	7012708		NA	Fenceline
382560.1	3733276.2	497.5451	0.42	0.42	0	8-HR	PHASE1	1ST	6121508		NA	Overwater
382579.7	3733242.7	507.5542	0.37	0.37	0	8-HR	PHASE1	1ST	7012608		NA	Overwater
382591.6	3733249.3	552.4128	0.05	0.05	0	8-HR	PHASE1	1ST	7012608		NA	Overwater
382588.7	3733254.4	464.793	0	0	0	8-HR	PHASE1	1ST	7012608		NA	Overwater
382598.5	3733259.7	465.052	0	0	0	8-HR	PHASE1	1ST	7012608		NA	Overwater
382602	3733255.4	543.6161	0	0	0	8-HR	PHASE1	1ST	7012608		NA	Overwater
382626.6	3733236.3	563.1384	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382642.4	3733211.6	438.7781	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382667.1	3733171.7	323.9696	0	0	0	8-HR	PHASE1	1ST	7013108		NA	Overwater
382679	3733121	236.9538	0	0	0	8-HR	PHASE1	1ST	6122608		NA	Overwater
382655.2	3733093.8	207.4574	0	0	0	8-HR	PHASE1	1ST	6122608		NA	Overwater
382620.1	3733080.7	196.9026	0	0	0	8-HR	PHASE1	1ST	6122408		NA	FENCEINT
382541.4	3733105.3	177.8537	3.16	3.16	0	8-HR	PHASE1	1ST	7012608		NA	FENCEINT
382534.5	3733148.5	281.6627	3.25	3.25	0	8-HR	PHASE1	1ST	7012608		NA	FENCEINT
382513.1	3733156	251.2058	3.26	3.26	0	8-HR	PHASE1	1ST	7011108		NA	FENCEINT
382488	3733212.8	500.6514	3.58	3.58	0	8-HR	PHASE1	1ST	6120908		NA	FENCEINT
382486.3	3733240.2	437.4668	3.91	3.91	0	8-HR	PHASE1	1ST	6121508		NA	FENCEINT
382527.6	3733260.1	450.5054	3.23	3.23	0	8-HR	PHASE1	1ST	7012708		NA	FENCEINT
382569.9	3733259.5	598.9373	0.35	2.92	0	8-HR	PHASE1	1ST	6120908		NA	Overwater

** CONCUI /m^3

** DEPUNI ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

*											**Impact**	**Type**
	382707.85	3733112.6	329.4677	0	0	0	8-HR	PHASE2	1ST	6122408	329.47	ALBS
	382683.73	3733072.5	164.7501	0	0	0	8-HR	PHASE2	1ST	6120608	164.75	ALBS
	382647.97	3733059	112.7979	0	0	0	8-HR	PHASE2	1ST	7012608	112.80	ALBS
	382613.22	3733046.2	81.10367	0	0	0	8-HR	PHASE2	1ST	7012608	81.10	ALBS
	382583.03	3733019.9	69.35308	1.81	1.81	0	8-HR	PHASE2	1ST	7011108	69.35	ALBS
	382553.66	3733037.9	70.38344	3.46	3.46	0	8-HR	PHASE2	1ST	7011108	70.38	ALBS
	382536.08	3733073.2	98.59126	3.18	3.18	0	8-HR	PHASE2	1ST	6120908	98.59	ALBS
	382501.43	3733099.5	117.2243	3.16	3.16	0	8-HR	PHASE2	1ST	6120908	117.22	ALBS
	382483.38	3733121.6	113.0932	3.21	3.21	0	8-HR	PHASE2	1ST	6120908	113.09	ALBS
	382470.23	3733141	93.27983	3.16	3.16	0	8-HR	PHASE2	1ST	6120908	93.28	ALBS
	382460.59	3733178	77.88439	3.66	3.66	0	8-HR	PHASE2	1ST	7020708	77.88	ALBS
	382458.02	3733211	98.41216	4.16	4.16	0	8-HR	PHASE2	1ST	7020708	98.41	ALBS
	382456.33	3733238.4	102.8851	4.61	4.61	0	8-HR	PHASE2	1ST	6121508	102.89	ALBS
	382454.65	3733265.8	131.0239	5.12	5.12	0	8-HR	PHASE2	1ST	6121508	131.02	ALBS
	382489.93	3733291.5	170.8116	4.49	4.49	0	8-HR	PHASE2	1ST	6121508	170.81	ALBS
	382518.43	3733301.2	189.0282	2.67	2.67	0	8-HR	PHASE2	1ST	6121508	NA	Overwater
	382610.87	3733260.9	323.1705	0	0	0	8-HR	PHASE2	1ST	6121508	NA	Overwater
	382658.09	3733187	312.6366	0	0	0	8-HR	PHASE2	1ST	7012608	NA	Overwater
	382676.06	3733156.5	331.3347	0	0	0	8-HR	PHASE2	1ST	7012608	NA	Overwater
	382684.97	3733141.5	337.9566	0	0	0	8-HR	PHASE2	1ST	7012608	NA	Overwater
	382673.11	3733100.6	199.0283	0	0	0	8-HR	PHASE2	1ST	7012608	NA	Overwater
	382637.35	3733087	132.8128	0	0	0	8-HR	PHASE2	1ST	7012608	NA	Fenceline
	382602.87	3733074.3	91.51586	0	0	0	8-HR	PHASE2	1ST	7011108	NA	Fenceline
	382602.05	3733051.1	80.77099	0	3.43	0	8-HR	PHASE2	1ST	7011108	80.77	ALBS
	382581.18	3733049.8	80.09102	2.04	2.04	0	8-HR	PHASE2	1ST	7011108	NA	Fenceline
	382572.84	3733069.1	85.75289	2.99	3.17	0	8-HR	PHASE2	1ST	7011108	NA	Fenceline
	382562.24	3733087.9	106.8149	2.92	2.92	0	8-HR	PHASE2	1ST	6120908	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382520.63	3733122.6	146.3474	3.16	3.16	0	8-HR	PHASE2	1ST		6120908	NA	Fenceline
382541.95	3733133.8	174.6275	3.17	3.17	0	8-HR	PHASE2	1ST		6120908	NA	Fenceline
382526.98	3733163.3	169.3462	3.39	3.39	0	8-HR	PHASE2	1ST		6120908	NA	Fenceline
382499.23	3733148.7	125.7047	3.05	3.05	0	8-HR	PHASE2	1ST		6120908	NA	Fenceline
382494.38	3733167	102.8472	2.92	2.92	0	8-HR	PHASE2	1ST		7012708	NA	Fenceline
382489.65	3733185.4	101.1728	3.22	3.22	0	8-HR	PHASE2	1ST		7020708	NA	Fenceline
382484.59	3733267.6	164.4348	4.28	4.28	0	8-HR	PHASE2	1ST		6121508	164.43	ALBS
382502.13	3733248.2	175.1299	3.72	3.72	0	8-HR	PHASE2	1ST		6121508	NA	Fenceline
382552.99	3733272	276.1414	0.96	2.92	0	8-HR	PHASE2	1ST		6121508	NA	Fenceline
382560.13	3733276.2	283.2318	0.42	0.42	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382579.71	3733242.7	300.2322	0.37	0.37	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382591.57	3733249.3	313.9847	0.05	0.05	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382588.68	3733254.4	314.6578	0	0	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382598.46	3733259.7	331.4062	0	0	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382601.96	3733255.4	328.6544	0	0	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382626.61	3733236.3	292.9674	0	0	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382642.35	3733211.6	251.1409	0	0	0	8-HR	PHASE2	1ST		6121508	NA	Overwater
382667.08	3733171.7	322.7048	0	0	0	8-HR	PHASE2	1ST		7012608	NA	Overwater
382679.04	3733121	262.0295	0	0	0	8-HR	PHASE2	1ST		7012608	NA	Overwater
382655.23	3733093.8	162.4626	0	0	0	8-HR	PHASE2	1ST		7012608	NA	Overwater
382620.11	3733080.7	109.1012	0	0	0	8-HR	PHASE2	1ST		7012608	NA	FENCEINT
382541.44	3733105.3	132.1409	3.16	3.16	0	8-HR	PHASE2	1ST		6120908	NA	FENCEINT
382534.46	3733148.5	185.9097	3.25	3.25	0	8-HR	PHASE2	1ST		6120908	NA	FENCEINT
382513.11	3733156	144.6756	3.26	3.26	0	8-HR	PHASE2	1ST		6120908	NA	FENCEINT
382487.96	3733212.8	117.101	3.58	3.58	0	8-HR	PHASE2	1ST		7020708	NA	FENCEINT
382486.28	3733240.2	141.8881	3.91	3.91	0	8-HR	PHASE2	1ST		6121508	NA	FENCEINT
382527.56	3733260.1	225.7015	3.23	3.23	0	8-HR	PHASE2	1ST		6121508	NA	FENCEINT
382569.92	3733259.5	316.9326	0.35	2.92	0	8-HR	PHASE2	1ST		6121508	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/11/11
* MODELING OPTIONS USED: 07:48:06
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 8-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID DATE(CONC)

										Impact	**Type**
382707.85	3733112.6	250.0507	0	0	0	8-HR	PHASE3	1ST	7020108	250.05	ALBS
382683.73	3733072.5	393.5061	0	0	0	8-HR	PHASE3	1ST	7013108	393.51	ALBS
382647.97	3733059	395.1822	0	0	0	8-HR	PHASE3	1ST	7022108	395.18	ALBS
382613.22	3733046.2	364.3708	0	0	0	8-HR	PHASE3	1ST	6122408	364.37	ALBS
382583.03	3733019.9	278.7044	1.81	1.81	0	8-HR	PHASE3	1ST	6120608	278.70	ALBS
382553.66	3733037.9	262.867	3.46	3.46	0	8-HR	PHASE3	1ST	6120608	262.87	ALBS
382536.08	3733073.2	283.2079	3.18	3.18	0	8-HR	PHASE3	1ST	6120708	283.21	ALBS
382501.43	3733099.5	330.3381	3.16	3.16	0	8-HR	PHASE3	1ST	6120908	330.34	ALBS
382483.38	3733121.6	532.7925	3.21	3.21	0	8-HR	PHASE3	1ST	6120908	532.79	ALBS
382470.23	3733141	456.4184	3.16	3.16	0	8-HR	PHASE3	1ST	6120908	456.42	ALBS
382460.59	3733178	435.4193	3.66	3.66	0	8-HR	PHASE3	1ST	7020708	435.42	ALBS
382458.02	3733211	618.5174	4.16	4.16	0	8-HR	PHASE3	1ST	6121508	618.52	ALBS
382456.33	3733238.4	463.1091	4.61	4.61	0	8-HR	PHASE3	1ST	6121508	463.11	ALBS
382454.65	3733265.8	237.9012	5.12	5.12	0	8-HR	PHASE3	1ST	6121508	237.90	ALBS
382489.93	3733291.5	172.3505	4.49	4.49	0	8-HR	PHASE3	1ST	6102308	172.35	ALBS
382518.43	3733301.2	149.9732	2.67	2.67	0	8-HR	PHASE3	1ST	6102308	NA	Overwater
382610.87	3733260.9	200.1336	0	0	0	8-HR	PHASE3	1ST	6092108	NA	Overwater
382658.09	3733187	389.9909	0	0	0	8-HR	PHASE3	1ST	6092708	NA	Overwater
382676.06	3733156.5	389.5806	0	0	0	8-HR	PHASE3	1ST	7020108	NA	Overwater
382684.97	3733141.5	351.9294	0	0	0	8-HR	PHASE3	1ST	7020108	NA	Overwater
382673.11	3733100.6	436.0293	0	0	0	8-HR	PHASE3	1ST	7013108	NA	Overwater
382637.35	3733087	527.0257	0	0	0	8-HR	PHASE3	1ST	7013108	NA	Fenceline
382602.87	3733074.3	482.0094	0	0	0	8-HR	PHASE3	1ST	6122408	NA	Fenceline
382602.05	3733051.1	387.8656	0	3.43	0	8-HR	PHASE3	1ST	6122408	387.87	ALBS
382581.18	3733049.8	365.5283	2.04	2.04	0	8-HR	PHASE3	1ST	7012508	NA	Fenceline
382572.84	3733069.1	436.3707	2.99	3.17	0	8-HR	PHASE3	1ST	7012508	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382562.24	3733087.9	531.6781	2.92	2.92	0	8-HR	PHASE3	1ST		6120608	NA	Fenceline
382520.63	3733122.6	500.9987	3.16	3.16	0	8-HR	PHASE3	1ST		7011108	NA	Fenceline
382541.95	3733133.8	890.7406	3.17	3.17	0	8-HR	PHASE3	1ST		7012608	NA	Fenceline
382526.98	3733163.3	924.653	3.39	3.39	0	8-HR	PHASE3	1ST		6120908	NA	Fenceline
382499.23	3733148.7	773.5482	3.05	3.05	0	8-HR	PHASE3	1ST		6120908	NA	Fenceline
382494.38	3733167	618.1426	2.92	2.92	0	8-HR	PHASE3	1ST		7012708	NA	Fenceline
382489.65	3733185.4	785.6845	3.22	3.22	0	8-HR	PHASE3	1ST		6121508	NA	Fenceline
382484.59	3733267.6	200.6762	4.28	4.28	0	8-HR	PHASE3	1ST		6091308	200.68	ALBS
382502.13	3733248.2	300.79	3.72	3.72	0	8-HR	PHASE3	1ST		6091308	NA	Fenceline
382552.99	3733272	354.3685	0.96	2.92	0	8-HR	PHASE3	1ST		6091908	NA	Fenceline
382560.13	3733276.2	319.3592	0.42	0.42	0	8-HR	PHASE3	1ST		6091908	NA	Overwater
382579.71	3733242.7	394.3665	0.37	0.37	0	8-HR	PHASE3	1ST		6092108	NA	Overwater
382591.57	3733249.3	308.2732	0.05	0.05	0	8-HR	PHASE3	1ST		6092108	NA	Overwater
382588.68	3733254.4	311.3634	0	0	0	8-HR	PHASE3	1ST		6092108	NA	Overwater
382598.46	3733259.7	260.0371	0	0	0	8-HR	PHASE3	1ST		6092108	NA	Overwater
382601.96	3733255.4	245.2547	0	0	0	8-HR	PHASE3	1ST		6092108	NA	Overwater
382626.61	3733236.3	244.0452	0	0	0	8-HR	PHASE3	1ST		7011908	NA	Overwater
382642.35	3733211.6	300.1237	0	0	0	8-HR	PHASE3	1ST		6092708	NA	Overwater
382667.08	3733171.7	391.417	0	0	0	8-HR	PHASE3	1ST		7020108	NA	Overwater
382679.04	3733121	331.1764	0	0	0	8-HR	PHASE3	1ST		7020108	NA	Overwater
382655.23	3733093.8	536.9997	0	0	0	8-HR	PHASE3	1ST		7013108	NA	Overwater
382620.11	3733080.7	502.9923	0	0	0	8-HR	PHASE3	1ST		6122608	NA	FENCEINT
382541.44	3733105.3	498.8284	3.16	3.16	0	8-HR	PHASE3	1ST		7012608	NA	FENCEINT
382534.46	3733148.5	848.3288	3.25	3.25	0	8-HR	PHASE3	1ST		6120908	NA	FENCEINT
382513.11	3733156	940.8092	3.26	3.26	0	8-HR	PHASE3	1ST		6120908	NA	FENCEINT
382487.96	3733212.8	892.7955	3.58	3.58	0	8-HR	PHASE3	1ST		6121508	NA	FENCEINT
382486.28	3733240.2	421.8137	3.91	3.91	0	8-HR	PHASE3	1ST		6121508	NA	FENCEINT
382527.56	3733260.1	281.6676	3.23	3.23	0	8-HR	PHASE3	1ST		6091908	NA	FENCEINT
382569.92	3733259.5	327.6746	0.35	2.92	0	8-HR	PHASE3	1ST		6091908	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:22:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382707.85	3733112.6	180.0997	0	0	0	1-HR	PHASE1	1ST	180.0997	7030807		180.10	ALBS
382683.73	3733072.5	177.4624	0	0	0	1-HR	PHASE1	1ST	177.4624	6092807		177.46	ALBS
382647.97	3733059	170.3085	0	0	0	1-HR	PHASE1	1ST	170.3085	7050806		170.31	ALBS
382613.22	3733046.2	163.7946	0	0	0	1-HR	PHASE1	1ST	163.7946	6111007		163.79	ALBS
382583.03	3733019.9	148.9346	1.81	1.81	0	1-HR	PHASE1	1ST	148.9346	6110207		148.93	ALBS
382553.66	3733037.9	167.5696	3.46	3.46	0	1-HR	PHASE1	1ST	167.5696	6110207		167.57	ALBS
382536.08	3733073.2	192.5269	3.18	3.18	0	1-HR	PHASE1	1ST	192.5269	7072606		192.53	ALBS
382501.43	3733099.5	216.6153	3.16	3.16	0	1-HR	PHASE1	1ST	216.6153	7072606		216.62	ALBS
382483.38	3733121.6	253.5162	3.21	3.21	0	1-HR	PHASE1	1ST	253.5162	6120906		253.52	ALBS
382470.23	3733141	322.6715	3.16	3.16	0	1-HR	PHASE1	1ST	322.6715	7042206		322.67	ALBS
382460.59	3733178	474.1669	3.66	3.66	0	1-HR	PHASE1	1ST	474.1669	7072506		474.17	ALBS
382458.02	3733211	478.032	4.16	4.16	0	1-HR	PHASE1	1ST	478.032	6110907		478.03	ALBS
382456.33	3733238.4	417.161	4.61	4.61	0	1-HR	PHASE1	1ST	417.161	6110306		417.16	ALBS
382454.65	3733265.8	316.6016	5.12	5.12	0	1-HR	PHASE1	1ST	316.6016	7021807		316.60	ALBS
382489.93	3733291.5	301.1348	4.49	4.49	0	1-HR	PHASE1	1ST	301.1348	7051106		301.13	ALBS
382518.43	3733301.2	322.5464	2.67	2.67	0	1-HR	PHASE1	1ST	322.5464	6121506		NA	Overwater
382610.87	3733260.9	473.4432	0	0	0	1-HR	PHASE1	1ST	473.4432	6103107		NA	Overwater
382658.09	3733187	281.983	0	0	0	1-HR	PHASE1	1ST	281.983	7030807		NA	Overwater
382676.06	3733156.5	232.7278	0	0	0	1-HR	PHASE1	1ST	232.7278	7030807		NA	Overwater
382684.97	3733141.5	213.7723	0	0	0	1-HR	PHASE1	1ST	213.7723	7030807		NA	Overwater
382673.11	3733100.6	197.9659	0	0	0	1-HR	PHASE1	1ST	197.9659	7030807		NA	Overwater
382637.35	3733087	190.7129	0	0	0	1-HR	PHASE1	1ST	190.7129	6111007		NA	Fenceline
382602.87	3733074.3	178.3964	0	0	0	1-HR	PHASE1	1ST	178.3964	6111007		NA	Fenceline
382602.05	3733051.1	159.2309	0	3.43	0	1-HR	PHASE1	1ST	159.2309	6111007		159.23	ALBS
382581.18	3733049.8	168.2959	2.04	2.04	0	1-HR	PHASE1	1ST	168.2959	6110207		NA	Fenceline
382572.84	3733069.1	187.631	2.99	3.17	0	1-HR	PHASE1	1ST	187.631	6110207		NA	Fenceline
382562.24	3733087.9	205.7356	2.92	2.92	0	1-HR	PHASE1	1ST	205.7356	6110207		NA	Fenceline
382520.63	3733122.6	258.4202	3.16	3.16	0	1-HR	PHASE1	1ST	258.4202	7072606		NA	Fenceline
382541.95	3733133.8	275.8223	3.17	3.17	0	1-HR	PHASE1	1ST	275.8223	7072606		NA	Fenceline
382526.98	3733163.3	355.3023	3.39	3.39	0	1-HR	PHASE1	1ST	355.3023	6101706		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382499.23	3733148.7	321.9443	3.05	3.05	0	1-HR	PHASE1	1ST	321.9443	6120906	NA	Fenceline
382494.38	3733167	421.4665	2.92	2.92	0	1-HR	PHASE1	1ST	421.4665	7042206	NA	Fenceline
382489.65	3733185.4	591.3848	3.22	3.22	0	1-HR	PHASE1	1ST	591.3848	7072506	NA	Fenceline
382484.59	3733267.6	373.0764	4.28	4.28	0	1-HR	PHASE1	1ST	373.0764	7021807	373.08	ALBS
382502.13	3733248.2	536.035	3.72	3.72	0	1-HR	PHASE1	1ST	536.035	7082806	NA	Fenceline
382552.99	3733272	688.385	0.96	2.92	0	1-HR	PHASE1	1ST	688.385	6110306	NA	Fenceline
382560.13	3733276.2	648.8582	0.42	0.42	0	1-HR	PHASE1	1ST	648.8582	6110306	NA	Overwater
382579.71	3733242.7	543.5309	0.37	0.37	0	1-HR	PHASE1	1ST	543.5309	6101706	NA	Overwater
382591.57	3733249.3	507.9457	0.05	0.05	0	1-HR	PHASE1	1ST	507.9457	7072606	NA	Overwater
382588.68	3733254.4	499.5162	0	0	0	1-HR	PHASE1	1ST	499.5162	6120906	NA	Overwater
382598.46	3733259.7	456.1598	0	0	0	1-HR	PHASE1	1ST	456.1598	7072606	NA	Overwater
382601.96	3733255.4	475.6742	0	0	0	1-HR	PHASE1	1ST	475.6742	7072606	NA	Overwater
382626.61	3733236.3	421.1966	0	0	0	1-HR	PHASE1	1ST	421.1966	7030807	NA	Overwater
382642.35	3733211.6	343.2791	0	0	0	1-HR	PHASE1	1ST	343.2791	7030807	NA	Overwater
382667.08	3733171.7	255.2175	0	0	0	1-HR	PHASE1	1ST	255.2175	7030807	NA	Overwater
382679.04	3733121	212.0507	0	0	0	1-HR	PHASE1	1ST	212.0507	7030807	NA	Overwater
382655.23	3733093.8	200.3332	0	0	0	1-HR	PHASE1	1ST	200.3332	6090306	NA	Overwater
382620.11	3733080.7	192.8581	0	0	0	1-HR	PHASE1	1ST	192.8581	6111007	NA	FENCEINT
382541.44	3733105.3	227.755	3.16	3.16	0	1-HR	PHASE1	1ST	227.755	7072606	NA	FENCEINT
382534.46	3733148.5	308.768	3.25	3.25	0	1-HR	PHASE1	1ST	308.768	7072606	NA	FENCEINT
382513.11	3733156	341.846	3.26	3.26	0	1-HR	PHASE1	1ST	341.846	6101706	NA	FENCEINT
382487.96	3733212.8	628.5097	3.58	3.58	0	1-HR	PHASE1	1ST	628.5097	6111907	NA	FENCEINT
382486.28	3733240.2	520.6641	3.91	3.91	0	1-HR	PHASE1	1ST	520.6641	7082806	NA	FENCEINT
382527.56	3733260.1	605.185	3.23	3.23	0	1-HR	PHASE1	1ST	605.185	7082806	NA	FENCEINT
382569.92	3733259.5	737.7434	0.35	2.92	0	1-HR	PHASE1	1ST	737.7434	7072506	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:22:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP RANK NET ID AVER CONC YR1 DATE YR1

												Impact	**Type**
382707.85	3733112.64	309.2697	0	0	0	1-HR	PHASE2	1ST	309.2697	6111007	309.27	ALBS
382683.73	3733072.49	210.6883	0	0	0	1-HR	PHASE2	1ST	210.6883	6110207	210.69	ALBS
382647.97	3733058.95	184.0798	0	0	0	1-HR	PHASE2	1ST	184.0798	7072606	184.08	ALBS
382613.22	3733046.18	160.4562	0	0	0	1-HR	PHASE2	1ST	160.4562	7072606	160.46	ALBS
382583.03	3733019.88	135.9082	1.81	1.81	0	1-HR	PHASE2	1ST	135.9082	7031307	135.91	ALBS
382553.66	3733037.88	143.1888	3.46	3.46	0	1-HR	PHASE2	1ST	143.1888	7042206	143.19	ALBS
382536.08	3733073.24	145.574	3.18	3.18	0	1-HR	PHASE2	1ST	145.574	7072506	145.57	ALBS
382501.43	3733099.54	139.1571	3.16	3.16	0	1-HR	PHASE2	1ST	139.1571	7072506	139.16	ALBS
382483.38	3733121.59	127.8211	3.21	3.21	0	1-HR	PHASE2	1ST	127.8211	6111907	127.82	ALBS
382470.23	3733141.02	123.788	3.16	3.16	0	1-HR	PHASE2	1ST	123.788	6110907	123.79	ALBS
382460.59	3733177.95	124.0719	3.66	3.66	0	1-HR	PHASE2	1ST	124.0719	7082806	124.07	ALBS
382458.02	3733210.98	120.342	4.16	4.16	0	1-HR	PHASE2	1ST	120.342	7041006	120.34	ALBS
382456.33	3733238.39	113.8774	4.61	4.61	0	1-HR	PHASE2	1ST	113.8774	7021807	113.88	ALBS
382454.65	3733265.8	104.3557	5.12	5.12	0	1-HR	PHASE2	1ST	104.3557	7051106	104.36	ALBS
382489.93	3733291.51	117.1351	4.49	4.49	0	1-HR	PHASE2	1ST	117.1351	6121506	117.14	ALBS
382518.43	3733301.17	145.9657	2.67	2.67	0	1-HR	PHASE2	1ST	145.9657	6111906	NA	Overwater
382610.87	3733260.89	301.3623	0	0	0	1-HR	PHASE2	1ST	301.3623	6090506	NA	Overwater
382658.09	3733187.01	281.9515	0	0	0	1-HR	PHASE2	1ST	281.9515	6110207	NA	Overwater
382676.06	3733156.45	305.8097	0	0	0	1-HR	PHASE2	1ST	305.8097	6111007	NA	Overwater
382684.97	3733141.45	325.99	0	0	0	1-HR	PHASE2	1ST	325.99	6111007	NA	Overwater
382673.11	3733100.55	244.64	0	0	0	1-HR	PHASE2	1ST	244.64	6110207	NA	Overwater
382637.35	3733087.01	199.1257	0	0	0	1-HR	PHASE2	1ST	199.1257	7072606	NA	Fenceline
382602.87	3733074.34	164.3862	0	0	0	1-HR	PHASE2	1ST	164.3862	7031307	NA	Fenceline
382602.05	3733051.11	151.6334	0	3.43	0	1-HR	PHASE2	1ST	151.6334	7031307	151.63	ALBS
382581.18	3733049.82	147.6663	2.04	2.04	0	1-HR	PHASE2	1ST	147.6663	7031307	NA	Fenceline
382572.84	3733069.05	159.1485	2.99	3.17	0	1-HR	PHASE2	1ST	159.1485	7042206	NA	Fenceline
382562.24	3733087.93	166.7927	2.92	2.92	0	1-HR	PHASE2	1ST	166.7927	7042206	NA	Fenceline
382520.63	3733122.59	157.6963	3.16	3.16	0	1-HR	PHASE2	1ST	157.6963	7072506	NA	Fenceline
382541.95	3733133.76	182.6667	3.17	3.17	0	1-HR	PHASE2	1ST	182.6667	7072506	NA	Fenceline
382526.98	3733163.31	175.4296	3.39	3.39	0	1-HR	PHASE2	1ST	175.4296	6111907	NA	Fenceline
382499.23	3733148.7	142.6588	3.05	3.05	0	1-HR	PHASE2	1ST	142.6588	6111907	NA	Fenceline

382494.38	3733167.01	142.365	2.92	2.92	0	1-HR	PHASE2	1ST	142.365	6110907	NA	Fenceline
382489.65	3733185.42	142.2681	3.22	3.22	0	1-HR	PHASE2	1ST	142.2681	6110306	NA	Fenceline
382484.59	3733267.64	116.3324	4.28	4.28	0	1-HR	PHASE2	1ST	116.3324	7051106	116.33	ALBS
382502.13	3733248.17	139.5064	3.72	3.72	0	1-HR	PHASE2	1ST	139.5064	7051106	NA	Fenceline
382552.99	3733272.03	187.9307	0.96	2.92	0	1-HR	PHASE2	1ST	187.9307	6111906	NA	Fenceline
382560.13	3733276.21	206.7866	0.42	0.42	0	1-HR	PHASE2	1ST	206.7866	6111906	NA	Overwater
382579.71	3733242.72	258.0257	0.37	0.37	0	1-HR	PHASE2	1ST	258.0257	7051806	NA	Overwater
382591.57	3733249.31	262.6648	0.05	0.05	0	1-HR	PHASE2	1ST	262.6648	7051806	NA	Overwater
382588.68	3733254.36	263.4576	0	0	0	1-HR	PHASE2	1ST	263.4576	7051806	NA	Overwater
382598.46	3733259.71	273.0525	0	0	0	1-HR	PHASE2	1ST	273.0525	6090506	NA	Overwater
382601.96	3733255.41	271.7606	0	0	0	1-HR	PHASE2	1ST	271.7606	6090506	NA	Overwater
382626.61	3733236.26	270.5086	0	0	0	1-HR	PHASE2	1ST	270.5086	6090506	NA	Overwater
382642.35	3733211.64	249.9123	0	0	0	1-HR	PHASE2	1ST	249.9123	7072606	NA	Overwater
382667.08	3733171.73	293.7764	0	0	0	1-HR	PHASE2	1ST	293.7764	6110207	NA	Overwater
382679.04	3733121	283.6348	0	0	0	1-HR	PHASE2	1ST	283.6348	6110207	NA	Overwater
382655.23	3733093.78	216.7854	0	0	0	1-HR	PHASE2	1ST	216.7854	7072606	NA	Overwater
382620.11	3733080.68	179.7291	0	0	0	1-HR	PHASE2	1ST	179.7291	7072606	NA	FENCEINT
382541.44	3733105.26	165.8754	3.16	3.16	0	1-HR	PHASE2	1ST	165.8754	7072506	NA	FENCEINT
382534.46	3733148.54	181.8505	3.25	3.25	0	1-HR	PHASE2	1ST	181.8505	7072506	NA	FENCEINT
382513.11	3733156.01	156.8419	3.26	3.26	0	1-HR	PHASE2	1ST	156.8419	6111907	NA	FENCEINT
382487.96	3733212.83	138.6454	3.58	3.58	0	1-HR	PHASE2	1ST	138.6454	7041006	NA	FENCEINT
382486.28	3733240.23	129.537	3.91	3.91	0	1-HR	PHASE2	1ST	129.537	7051106	NA	FENCEINT
382527.56	3733260.1	153.1672	3.23	3.23	0	1-HR	PHASE2	1ST	153.1672	7051106	NA	FENCEINT
382569.92	3733259.47	224.9757	0.35	2.92	0	1-HR	PHASE2	1ST	224.9757	7081706	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:22:54
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,10(F13.5,2X,I8.8,2X:))

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1	Impact	Type
382707.85	3733112.6	236.0889	0	0	0	1-HR	PHASE3	1ST	236.08893	6103107	236.09	ALBS	
382683.73	3733072.5	211.6142	0	0	0	1-HR	PHASE3	1ST	211.61423	7012307	211.61	ALBS	
382647.97	3733059	236.9322	0	0	0	1-HR	PHASE3	1ST	236.93221	7022106	236.93	ALBS	
382613.22	3733046.2	238.908	0	0	0	1-HR	PHASE3	1ST	238.90799	6092807	238.91	ALBS	
382583.03	3733019.9	205.0455	1.81	1.81	0	1-HR	PHASE3	1ST	205.04547	6111007	205.05	ALBS	
382553.66	3733037.9	198.1638	3.46	3.46	0	1-HR	PHASE3	1ST	198.1638	6110207	198.16	ALBS	
382536.08	3733073.2	286.4624	3.18	3.18	0	1-HR	PHASE3	1ST	286.46239	6110207	286.46	ALBS	
382501.43	3733099.5	302.39	3.16	3.16	0	1-HR	PHASE3	1ST	302.39001	6101706	302.39	ALBS	
382483.38	3733121.6	409.6341	3.21	3.21	0	1-HR	PHASE3	1ST	409.63407	7072506	409.63	ALBS	
382470.23	3733141	381.6037	3.16	3.16	0	1-HR	PHASE3	1ST	381.60367	6111907	381.60	ALBS	
382460.59	3733178	371.9528	3.66	3.66	0	1-HR	PHASE3	1ST	371.95281	7021807	371.95	ALBS	
382458.02	3733211	290.2003	4.16	4.16	0	1-HR	PHASE3	1ST	290.20027	6121506	290.20	ALBS	
382456.33	3733238.4	273.9329	4.61	4.61	0	1-HR	PHASE3	1ST	273.93293	6111906	273.93	ALBS	
382454.65	3733265.8	217.5194	5.12	5.12	0	1-HR	PHASE3	1ST	217.51939	6090506	217.52	ALBS	
382489.93	3733291.5	218.662	4.49	4.49	0	1-HR	PHASE3	1ST	218.662	6102306	218.66	ALBS	
382518.43	3733301.2	187.1495	2.67	2.67	0	1-HR	PHASE3	1ST	187.14954	6102306	NA	Overwater	
382610.87	3733260.9	254.4511	0	0	0	1-HR	PHASE3	1ST	254.45108	7060206	NA	Overwater	
382658.09	3733187	316.012	0	0	0	1-HR	PHASE3	1ST	316.01201	6092707	NA	Overwater	
382676.06	3733156.5	287.8546	0	0	0	1-HR	PHASE3	1ST	287.85457	7021406	NA	Overwater	
382684.97	3733141.5	266.771	0	0	0	1-HR	PHASE3	1ST	266.77101	7021406	NA	Overwater	
382673.11	3733100.6	264.7551	0	0	0	1-HR	PHASE3	1ST	264.75514	6102906	NA	Overwater	
382637.35	3733087	297.3765	0	0	0	1-HR	PHASE3	1ST	297.37647	7022106	NA	Fenceline	
382602.87	3733074.3	301.1198	0	0	0	1-HR	PHASE3	1ST	301.11983	7030807	NA	Fenceline	
382602.05	3733051.1	252.3792	0	3.43	0	1-HR	PHASE3	1ST	252.37916	6090306	252.38	ALBS	
382581.18	3733049.8	252.5122	2.04	2.04	0	1-HR	PHASE3	1ST	252.51215	6111007	NA	Fenceline	
382572.84	3733069.1	300.7837	2.99	3.17	0	1-HR	PHASE3	1ST	300.78374	6111007	NA	Fenceline	
382562.24	3733087.9	356.126	2.92	2.92	0	1-HR	PHASE3	1ST	356.12604	6111007	NA	Fenceline	
382520.63	3733122.6	444.1838	3.16	3.16	0	1-HR	PHASE3	1ST	444.18378	6101706	NA	Fenceline	
382541.95	3733133.8	582.3696	3.17	3.17	0	1-HR	PHASE3	1ST	582.36962	6110207	NA	Fenceline	
382526.98	3733163.3	569.407	3.39	3.39	0	1-HR	PHASE3	1ST	569.40702	7072506	NA	Fenceline	
382499.23	3733148.7	535.2624	3.05	3.05	0	1-HR	PHASE3	1ST	535.26238	6111907	NA	Fenceline	

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	AVER CONC YR1	DATE YR1		Impact	Type
382494.38	3733167	539.6601	2.92	2.92	0	1-HR	PHASE3	1ST	539.66013	7082806	NA	Fenceline		
382489.65	3733185.4	504.1294	3.22	3.22	0	1-HR	PHASE3	1ST	504.12936	7021807	NA	Fenceline		
382484.59	3733267.6	237.7589	4.28	4.28	0	1-HR	PHASE3	1ST	237.75893	7021806	237.76	ALBS		
382502.13	3733248.2	318.1812	3.72	3.72	0	1-HR	PHASE3	1ST	318.18121	7021806	NA	Fenceline		
382552.99	3733272	344.1612	0.96	2.92	0	1-HR	PHASE3	1ST	344.16123	6091906	NA	Fenceline		
382560.13	3733276.2	336.7029	0.42	0.42	0	1-HR	PHASE3	1ST	336.70286	7072706	NA	Overwater		
382579.71	3733242.7	436.2578	0.37	0.37	0	1-HR	PHASE3	1ST	436.25782	7042706	NA	Overwater		
382591.57	3733249.3	340.3339	0.05	0.05	0	1-HR	PHASE3	1ST	340.33391	7042706	NA	Overwater		
382588.68	3733254.4	356.4335	0	0	0	1-HR	PHASE3	1ST	356.43348	7042706	NA	Overwater		
382598.46	3733259.7	299.3191	0	0	0	1-HR	PHASE3	1ST	299.31913	7060206	NA	Overwater		
382601.96	3733255.4	292.3159	0	0	0	1-HR	PHASE3	1ST	292.31585	7060206	NA	Overwater		
382626.61	3733236.3	276.2416	0	0	0	1-HR	PHASE3	1ST	276.24156	7030607	NA	Overwater		
382642.35	3733211.6	291.6823	0	0	0	1-HR	PHASE3	1ST	291.68229	7030607	NA	Overwater		
382667.08	3733171.7	300.9977	0	0	0	1-HR	PHASE3	1ST	300.99769	6101007	NA	Overwater		
382679.04	3733121	282.325	0	0	0	1-HR	PHASE3	1ST	282.32498	6103107	NA	Overwater		
382655.23	3733093.8	271.9453	0	0	0	1-HR	PHASE3	1ST	271.94532	7012307	NA	Overwater		
382620.11	3733080.7	308.222	0	0	0	1-HR	PHASE3	1ST	308.22201	7030807	NA	FENCEINT		
382541.44	3733105.3	412.2068	3.16	3.16	0	1-HR	PHASE3	1ST	412.20675	6110207	NA	FENCEINT		
382534.46	3733148.5	570.8388	3.25	3.25	0	1-HR	PHASE3	1ST	570.83878	7072606	NA	FENCEINT		
382513.11	3733156	608.8886	3.26	3.26	0	1-HR	PHASE3	1ST	608.88855	7072506	NA	FENCEINT		
382487.96	3733212.8	435.618	3.58	3.58	0	1-HR	PHASE3	1ST	435.61795	6111906	NA	FENCEINT		
382486.28	3733240.2	322.974	3.91	3.91	0	1-HR	PHASE3	1ST	322.97397	6090506	NA	FENCEINT		
382527.56	3733260.1	314.294	3.23	3.23	0	1-HR	PHASE3	1ST	314.29397	6102306	NA	FENCEINT		
382569.92	3733259.5	390.6977	0.35	2.92	0	1-HR	PHASE3	1ST	390.69765	7072706	NA	Overwater		

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:32:21
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP HIVAL NET ID

									Impact	**Type**
382707.85	3733112.6	170.0478	0	0	0	1-HR	Phase1	191.2358	170.05	ALBS
382683.73	3733072.5	164.3208	0	0	0	1-HR	Phase1	197.2685	164.32	ALBS
382647.97	3733059	160.7686	0	0	0	1-HR	Phase1	208.1656	160.77	ALBS
382613.22	3733046.2	148.9345	0	0	0	1-HR	Phase1	213.9638	148.93	ALBS
382583.03	3733019.9	120.3076	1.81	1.81	0	1-HR	Phase1	180.4627	120.31	ALBS
382553.66	3733037.9	120.4397	3.46	3.46	0	1-HR	Phase1	175.0334	120.44	ALBS
382536.08	3733073.2	144.5967	3.18	3.18	0	1-HR	Phase1	202.1264	144.60	ALBS
382501.43	3733099.5	184.4358	3.16	3.16	0	1-HR	Phase1	246.2054	184.44	ALBS
382483.38	3733121.6	199.1707	3.21	3.21	0	1-HR	Phase1	308.4664	199.17	ALBS
382470.23	3733141	235.0166	3.16	3.16	0	1-HR	Phase1	322.7124	235.02	ALBS
382460.59	3733178	350.1922	3.66	3.66	0	1-HR	Phase1	332.4622	350.19	ALBS
382458.02	3733211	395.2649	4.16	4.16	0	1-HR	Phase1	230.7073	395.26	ALBS
382456.33	3733238.4	345.6835	4.61	4.61	0	1-HR	Phase1	176.9027	345.68	ALBS
382454.65	3733265.8	289.9379	5.12	5.12	0	1-HR	Phase1	170.4334	289.94	ALBS
382489.93	3733291.5	277.81	4.49	4.49	0	1-HR	Phase1	165.0227	277.81	ALBS
382518.43	3733301.2	294.3712	2.67	2.67	0	1-HR	Phase1	142.2591	NA	Overwater
382610.87	3733260.9	447.4173	0	0	0	1-HR	Phase1	215.4409	NA	Overwater
382658.09	3733187	260.2585	0	0	0	1-HR	Phase1	251.2121	NA	Overwater
382676.06	3733156.5	216.5262	0	0	0	1-HR	Phase1	224.7291	NA	Overwater
382684.97	3733141.5	199.2993	0	0	0	1-HR	Phase1	223.6617	NA	Overwater
382673.11	3733100.6	184.4755	0	0	0	1-HR	Phase1	223.6649	NA	Overwater
382637.35	3733087	182.2292	0	0	0	1-HR	Phase1	260.9654	NA	Fenceline
382602.87	3733074.3	163.1868	0	0	0	1-HR	Phase1	274.7917	NA	Fenceline
382602.05	3733051.1	146.2629	0	3.43	0	1-HR	Phase1	228.2018	146.26	ALBS
382581.18	3733049.8	134.9607	2.04	2.04	0	1-HR	Phase1	228.5274	NA	Fenceline
382572.84	3733069.1	142.0686	2.99	3.17	0	1-HR	Phase1	266.8863	NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	Impact	Type
382562.24	3733087.9	150.5129	2.92	2.92	0	1-HR	Phase1	315.9824		NA	Fenceline
382520.63	3733122.6	206.4029	3.16	3.16	0	1-HR	Phase1	373.857		NA	Fenceline
382541.95	3733133.8	216.195	3.17	3.17	0	1-HR	Phase1	461.1823		NA	Fenceline
382526.98	3733163.3	300.471	3.39	3.39	0	1-HR	Phase1	498.509		NA	Fenceline
382499.23	3733148.7	260.9291	3.05	3.05	0	1-HR	Phase1	454.8868		NA	Fenceline
382494.38	3733167	326.8547	2.92	2.92	0	1-HR	Phase1	459.322		NA	Fenceline
382489.65	3733185.4	413.994	3.22	3.22	0	1-HR	Phase1	455.6804		NA	Fenceline
382484.59	3733267.6	342.533	4.28	4.28	0	1-HR	Phase1	204.5485		342.53	ALBS
382502.13	3733248.2	437.9807	3.72	3.72	0	1-HR	Phase1	273.4083		NA	Fenceline
382552.99	3733272	570.7661	0.96	2.92	0	1-HR	Phase1	206.6747		NA	Fenceline
382560.13	3733276.2	545.0538	0.42	0.42	0	1-HR	Phase1	201.7048		NA	Overwater
382579.71	3733242.7	473.0087	0.37	0.37	0	1-HR	Phase1	342.4823		NA	Overwater
382591.57	3733249.3	435.8487	0.05	0.05	0	1-HR	Phase1	295.3197		NA	Overwater
382588.68	3733254.4	454.9956	0	0	0	1-HR	Phase1	290.3185		NA	Overwater
382598.46	3733259.7	396.7818	0	0	0	1-HR	Phase1	260.5333		NA	Overwater
382601.96	3733255.4	405.7983	0	0	0	1-HR	Phase1	252.7997		NA	Overwater
382626.61	3733236.3	402.7131	0	0	0	1-HR	Phase1	169.9881		NA	Overwater
382642.35	3733211.6	323.4736	0	0	0	1-HR	Phase1	236.3025		NA	Overwater
382667.08	3733171.7	237.237	0	0	0	1-HR	Phase1	251.5764		NA	Overwater
382679.04	3733121	191.6019	0	0	0	1-HR	Phase1	230.4974		NA	Overwater
382655.23	3733093.8	186.6451	0	0	0	1-HR	Phase1	248.9618		NA	Overwater
382620.11	3733080.7	172.8314	0	0	0	1-HR	Phase1	276.9327		NA	FENCEINT
382541.44	3733105.3	173.8962	3.16	3.16	0	1-HR	Phase1	300.881		NA	FENCEINT
382534.46	3733148.5	245.8863	3.25	3.25	0	1-HR	Phase1	512.0941		NA	FENCEINT
382513.11	3733156	286.3649	3.26	3.26	0	1-HR	Phase1	511.1814		NA	FENCEINT
382487.96	3733212.8	522.1913	3.58	3.58	0	1-HR	Phase1	314.293		NA	FENCEINT
382486.28	3733240.2	427.8799	3.91	3.91	0	1-HR	Phase1	259.9898		NA	FENCEINT
382527.56	3733260.1	487.2982	3.23	3.23	0	1-HR	Phase1	246.0626		NA	FENCEINT
382569.92	3733259.5	582.2304	0.35	2.92	0	1-HR	Phase1	279.2077		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:32:30
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	**Impact**	**Type**
382707.85	3733112.6	289.9553	0	0	0	1-HR	Phase2	191.2358		289.96	ALBS
382683.73	3733072.5	169.423	0	0	0	1-HR	Phase2	197.2685		169.42	ALBS
382647.97	3733059	147.1277	0	0	0	1-HR	Phase2	208.1656		147.13	ALBS
382613.22	3733046.2	135.1727	0	0	0	1-HR	Phase2	213.9638		135.17	ALBS
382583.03	3733019.9	116.8936	1.81	1.81	0	1-HR	Phase2	180.4627		116.89	ALBS
382553.66	3733037.9	112.0453	3.46	3.46	0	1-HR	Phase2	175.0334		112.05	ALBS
382536.08	3733073.2	111.6274	3.18	3.18	0	1-HR	Phase2	202.1264		111.63	ALBS
382501.43	3733099.5	108.6836	3.16	3.16	0	1-HR	Phase2	246.2054		108.68	ALBS
382483.38	3733121.6	109.7743	3.21	3.21	0	1-HR	Phase2	308.4664		109.77	ALBS
382470.23	3733141	104.7277	3.16	3.16	0	1-HR	Phase2	322.7124		104.73	ALBS
382460.59	3733178	100.8344	3.66	3.66	0	1-HR	Phase2	332.4622		100.83	ALBS
382458.02	3733211	107.6107	4.16	4.16	0	1-HR	Phase2	230.7073		107.61	ALBS
382456.33	3733238.4	102.9167	4.61	4.61	0	1-HR	Phase2	176.9027		102.92	ALBS
382454.65	3733265.8	94.62445	5.12	5.12	0	1-HR	Phase2	170.4334		94.62	ALBS
382489.93	3733291.5	96.91862	4.49	4.49	0	1-HR	Phase2	165.0227		96.92	ALBS
382518.43	3733301.2	109.1118	2.67	2.67	0	1-HR	Phase2	142.2591		NA	Overwater
382610.87	3733260.9	243.9072	0	0	0	1-HR	Phase2	215.4409		NA	Overwater
382658.09	3733187	236.7278	0	0	0	1-HR	Phase2	251.2121		NA	Overwater
382676.06	3733156.5	277.1419	0	0	0	1-HR	Phase2	224.7291		NA	Overwater
382684.97	3733141.5	294.4368	0	0	0	1-HR	Phase2	223.6617		NA	Overwater
382673.11	3733100.6	190.8352	0	0	0	1-HR	Phase2	223.6649		NA	Overwater
382637.35	3733087	167.1965	0	0	0	1-HR	Phase2	260.9654		NA	Fenceline
382602.87	3733074.3	145.6775	0	0	0	1-HR	Phase2	274.7917		NA	Fenceline
382602.05	3733051.1	135.0857	0	3.43	0	1-HR	Phase2	228.2018		135.09	ALBS
382581.18	3733049.8	129.1326	2.04	2.04	0	1-HR	Phase2	228.5274		NA	Fenceline
382572.84	3733069.1	130.7668	2.99	3.17	0	1-HR	Phase2	266.8863		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	Impact	Type
382562.24	3733087.9	136.8836	2.92	2.92	0	1-HR	Phase2	315.9824		NA	Fenceline
382520.63	3733122.6	123.0404	3.16	3.16	0	1-HR	Phase2	373.857		NA	Fenceline
382541.95	3733133.8	150.2084	3.17	3.17	0	1-HR	Phase2	461.1823		NA	Fenceline
382526.98	3733163.3	151.0374	3.39	3.39	0	1-HR	Phase2	498.509		NA	Fenceline
382499.23	3733148.7	120.7875	3.05	3.05	0	1-HR	Phase2	454.8868		NA	Fenceline
382494.38	3733167	124.1661	2.92	2.92	0	1-HR	Phase2	459.322		NA	Fenceline
382489.65	3733185.4	118.6906	3.22	3.22	0	1-HR	Phase2	455.6804		NA	Fenceline
382484.59	3733267.6	108.088	4.28	4.28	0	1-HR	Phase2	204.5485		108.09	ALBS
382502.13	3733248.2	130.3322	3.72	3.72	0	1-HR	Phase2	273.4083		NA	Fenceline
382552.99	3733272	159.3124	0.96	2.92	0	1-HR	Phase2	206.6747		NA	Fenceline
382560.13	3733276.2	161.7507	0.42	0.42	0	1-HR	Phase2	201.7048		NA	Overwater
382579.71	3733242.7	240.9474	0.37	0.37	0	1-HR	Phase2	342.4823		NA	Overwater
382591.57	3733249.3	249.0856	0.05	0.05	0	1-HR	Phase2	295.3197		NA	Overwater
382588.68	3733254.4	246.7752	0	0	0	1-HR	Phase2	290.3185		NA	Overwater
382598.46	3733259.7	248.389	0	0	0	1-HR	Phase2	260.5333		NA	Overwater
382601.96	3733255.4	247.9472	0	0	0	1-HR	Phase2	252.7997		NA	Overwater
382626.61	3733236.3	226.0154	0	0	0	1-HR	Phase2	169.9881		NA	Overwater
382642.35	3733211.6	218.1574	0	0	0	1-HR	Phase2	236.3025		NA	Overwater
382667.08	3733171.7	258.8157	0	0	0	1-HR	Phase2	251.5764		NA	Overwater
382679.04	3733121	234.8839	0	0	0	1-HR	Phase2	230.4974		NA	Overwater
382655.23	3733093.8	177.226	0	0	0	1-HR	Phase2	248.9618		NA	Overwater
382620.11	3733080.7	158.9764	0	0	0	1-HR	Phase2	276.9327		NA	FENCEINT
382541.44	3733105.3	133.1672	3.16	3.16	0	1-HR	Phase2	300.881		NA	FENCEINT
382534.46	3733148.5	146.8727	3.25	3.25	0	1-HR	Phase2	512.0941		NA	FENCEINT
382513.11	3733156	132.1915	3.26	3.26	0	1-HR	Phase2	511.1814		NA	FENCEINT
382487.96	3733212.8	125.4458	3.58	3.58	0	1-HR	Phase2	314.293		NA	FENCEINT
382486.28	3733240.2	119.9538	3.91	3.91	0	1-HR	Phase2	259.9898		NA	FENCEINT
382527.56	3733260.1	143.7886	3.23	3.23	0	1-HR	Phase2	246.0626		NA	FENCEINT
382569.92	3733259.5	214.1709	0.35	2.92	0	1-HR	Phase2	279.2077		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): 1-HOUR NO2 NAAQS PLOT FILE Generated by AERMOD View 07/08/11
* MODELING OPTIONS USED: 16:32:39
NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF NO2 NAAQS 1-HR VALUES FOR SOURCE GROUP: Phase3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (1X,F13.5,1X,F13.5,1X,F13.5,1X,F8.2,1X,F8.2,1X,F8.2,1X,A6,1X,A8,1X,A8,1X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	**Impact**	**Type**
382707.85	3733112.6	191.2358	0	0	0	1-HR	Phase3	191.2358		191.24	ALBS
382683.73	3733072.5	197.2685	0	0	0	1-HR	Phase3	197.2685		197.27	ALBS
382647.97	3733059	208.1656	0	0	0	1-HR	Phase3	208.1656		208.17	ALBS
382613.22	3733046.2	213.9638	0	0	0	1-HR	Phase3	213.9638		213.96	ALBS
382583.03	3733019.9	180.4627	1.81	1.81	0	1-HR	Phase3	180.4627		180.46	ALBS
382553.66	3733037.9	175.0334	3.46	3.46	0	1-HR	Phase3	175.0334		175.03	ALBS
382536.08	3733073.2	202.1264	3.18	3.18	0	1-HR	Phase3	202.1264		202.13	ALBS
382501.43	3733099.5	246.2054	3.16	3.16	0	1-HR	Phase3	246.2054		246.21	ALBS
382483.38	3733121.6	308.4664	3.21	3.21	0	1-HR	Phase3	308.4664		308.47	ALBS
382470.23	3733141	322.7124	3.16	3.16	0	1-HR	Phase3	322.7124		322.71	ALBS
382460.59	3733178	332.4622	3.66	3.66	0	1-HR	Phase3	332.4622		332.46	ALBS
382458.02	3733211	230.7073	4.16	4.16	0	1-HR	Phase3	230.7073		230.71	ALBS
382456.33	3733238.4	176.9027	4.61	4.61	0	1-HR	Phase3	176.9027		176.90	ALBS
382454.65	3733265.8	170.4334	5.12	5.12	0	1-HR	Phase3	170.4334		170.43	ALBS
382489.93	3733291.5	165.0227	4.49	4.49	0	1-HR	Phase3	165.0227		165.02	ALBS
382518.43	3733301.2	142.2591	2.67	2.67	0	1-HR	Phase3	142.2591		NA	Overwater
382610.87	3733260.9	215.4409	0	0	0	1-HR	Phase3	215.4409		NA	Overwater
382658.09	3733187	251.2121	0	0	0	1-HR	Phase3	251.2121		NA	Overwater
382676.06	3733156.5	224.7291	0	0	0	1-HR	Phase3	224.7291		NA	Overwater
382684.97	3733141.5	223.6617	0	0	0	1-HR	Phase3	223.6617		NA	Overwater
382673.11	3733100.6	223.6649	0	0	0	1-HR	Phase3	223.6649		NA	Overwater
382637.35	3733087	260.9654	0	0	0	1-HR	Phase3	260.9654		NA	Fenceline
382602.87	3733074.3	274.7917	0	0	0	1-HR	Phase3	274.7917		NA	Fenceline
382602.05	3733051.1	228.2018	0	3.43	0	1-HR	Phase3	228.2018		228.20	ALBS
382581.18	3733049.8	228.5274	2.04	2.04	0	1-HR	Phase3	228.5274		NA	Fenceline
382572.84	3733069.1	266.8863	2.99	3.17	0	1-HR	Phase3	266.8863		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	HIVAL	NET ID	Impact	Type
382562.24	3733087.9	315.9824	2.92	2.92	0	1-HR	Phase3	315.9824		NA	Fenceline
382520.63	3733122.6	373.857	3.16	3.16	0	1-HR	Phase3	373.857		NA	Fenceline
382541.95	3733133.8	461.1823	3.17	3.17	0	1-HR	Phase3	461.1823		NA	Fenceline
382526.98	3733163.3	498.509	3.39	3.39	0	1-HR	Phase3	498.509		NA	Fenceline
382499.23	3733148.7	454.8868	3.05	3.05	0	1-HR	Phase3	454.8868		NA	Fenceline
382494.38	3733167	459.322	2.92	2.92	0	1-HR	Phase3	459.322		NA	Fenceline
382489.65	3733185.4	455.6804	3.22	3.22	0	1-HR	Phase3	455.6804		NA	Fenceline
382484.59	3733267.6	204.5485	4.28	4.28	0	1-HR	Phase3	204.5485		204.55	ALBS
382502.13	3733248.2	273.4083	3.72	3.72	0	1-HR	Phase3	273.4083		NA	Fenceline
382552.99	3733272	206.6747	0.96	2.92	0	1-HR	Phase3	206.6747		NA	Fenceline
382560.13	3733276.2	201.7048	0.42	0.42	0	1-HR	Phase3	201.7048		NA	Overwater
382579.71	3733242.7	342.4823	0.37	0.37	0	1-HR	Phase3	342.4823		NA	Overwater
382591.57	3733249.3	295.3197	0.05	0.05	0	1-HR	Phase3	295.3197		NA	Overwater
382588.68	3733254.4	290.3185	0	0	0	1-HR	Phase3	290.3185		NA	Overwater
382598.46	3733259.7	260.5333	0	0	0	1-HR	Phase3	260.5333		NA	Overwater
382601.96	3733255.4	252.7997	0	0	0	1-HR	Phase3	252.7997		NA	Overwater
382626.61	3733236.3	169.9881	0	0	0	1-HR	Phase3	169.9881		NA	Overwater
382642.35	3733211.6	236.3025	0	0	0	1-HR	Phase3	236.3025		NA	Overwater
382667.08	3733171.7	251.5764	0	0	0	1-HR	Phase3	251.5764		NA	Overwater
382679.04	3733121	230.4974	0	0	0	1-HR	Phase3	230.4974		NA	Overwater
382655.23	3733093.8	248.9618	0	0	0	1-HR	Phase3	248.9618		NA	Overwater
382620.11	3733080.7	276.9327	0	0	0	1-HR	Phase3	276.9327		NA	FENCEINT
382541.44	3733105.3	300.881	3.16	3.16	0	1-HR	Phase3	300.881		NA	FENCEINT
382534.46	3733148.5	512.0941	3.25	3.25	0	1-HR	Phase3	512.0941		NA	FENCEINT
382513.11	3733156	511.1814	3.26	3.26	0	1-HR	Phase3	511.1814		NA	FENCEINT
382487.96	3733212.8	314.293	3.58	3.58	0	1-HR	Phase3	314.293		NA	FENCEINT
382486.28	3733240.2	259.9898	3.91	3.91	0	1-HR	Phase3	259.9898		NA	FENCEINT
382527.56	3733260.1	246.0626	3.23	3.23	0	1-HR	Phase3	246.0626		NA	FENCEINT
382569.92	3733259.5	279.2077	0.35	2.92	0	1-HR	Phase3	279.2077		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:37:05
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID

										Impact	Type
382707.85	3733112.6	0.84547	0	0	0	ANNUAL	PHASE1	1		0.85	ALBS
382683.73	3733072.5	0.71842	0	0	0	ANNUAL	PHASE1	1		0.72	ALBS
382647.97	3733059	0.55265	0	0	0	ANNUAL	PHASE1	1		0.55	ALBS
382613.22	3733046.2	0.3804	0	0	0	ANNUAL	PHASE1	1		0.38	ALBS
382583.03	3733019.9	0.25368	1.81	1.81	0	ANNUAL	PHASE1	1		0.25	ALBS
382553.66	3733037.9	0.22014	3.46	3.46	0	ANNUAL	PHASE1	1		0.22	ALBS
382536.08	3733073.2	0.23163	3.18	3.18	0	ANNUAL	PHASE1	1		0.23	ALBS
382501.43	3733099.5	0.18733	3.16	3.16	0	ANNUAL	PHASE1	1		0.19	ALBS
382483.38	3733121.6	0.19402	3.21	3.21	0	ANNUAL	PHASE1	1		0.19	ALBS
382470.23	3733141	0.22468	3.16	3.16	0	ANNUAL	PHASE1	1		0.22	ALBS
382460.59	3733178	0.35906	3.66	3.66	0	ANNUAL	PHASE1	1		0.36	ALBS
382458.02	3733211	0.59868	4.16	4.16	0	ANNUAL	PHASE1	1		0.60	ALBS
382456.33	3733238.4	0.82276	4.61	4.61	0	ANNUAL	PHASE1	1		0.82	ALBS
382454.65	3733265.8	0.89556	5.12	5.12	0	ANNUAL	PHASE1	1		0.90	ALBS
382489.93	3733291.5	1.49196	4.49	4.49	0	ANNUAL	PHASE1	1		1.49	ALBS
382518.43	3733301.2	2.1789	2.67	2.67	0	ANNUAL	PHASE1	1	NA		Overwater
382610.87	3733260.9	4.25036	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382658.09	3733187	1.61428	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382676.06	3733156.5	1.21408	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382684.97	3733141.5	1.0643	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382673.11	3733100.6	0.85319	0	0	0	ANNUAL	PHASE1	1	NA		Overwater
382637.35	3733087	0.626	0	0	0	ANNUAL	PHASE1	1	NA		Fenceline
382602.87	3733074.3	0.41173	0	0	0	ANNUAL	PHASE1	1	NA		Fenceline
382602.05	3733051.1	0.35573	0	3.43	0	ANNUAL	PHASE1	1		0.36	ALBS
382581.18	3733049.8	0.30036	2.04	2.04	0	ANNUAL	PHASE1	1	NA		Fenceline
382572.84	3733069.1	0.3169	2.99	3.17	0	ANNUAL	PHASE1	1	NA		Fenceline
382562.24	3733087.9	0.32508	2.92	2.92	0	ANNUAL	PHASE1	1	NA		Fenceline
382520.63	3733122.6	0.29163	3.16	3.16	0	ANNUAL	PHASE1	1	NA		Fenceline
382541.95	3733133.8	0.38228	3.17	3.17	0	ANNUAL	PHASE1	1	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		Impact	Type
	382526.98	3733163.3	0.64954	3.39	3.39	0	ANNUAL	PHASE1	1		NA	Fenceline
	382499.23	3733148.7	0.30365	3.05	3.05	0	ANNUAL	PHASE1	1		NA	Fenceline
	382494.38	3733167	0.3905	2.92	2.92	0	ANNUAL	PHASE1	1		NA	Fenceline
	382489.65	3733185.4	0.54578	3.22	3.22	0	ANNUAL	PHASE1	1		NA	Fenceline
	382484.59	3733267.6	1.60287	4.28	4.28	0	ANNUAL	PHASE1	1		1.60	ALBS
	382502.13	3733248.2	2.48541	3.72	3.72	0	ANNUAL	PHASE1	1		NA	Fenceline
	382552.99	3733272	4.22545	0.96	2.92	0	ANNUAL	PHASE1	1		NA	Fenceline
	382560.13	3733276.2	4.70819	0.42	0.42	0	ANNUAL	PHASE1	1		NA	Overwater
	382579.71	3733242.7	3.53669	0.37	0.37	0	ANNUAL	PHASE1	1		NA	Overwater
	382591.57	3733249.3	4.06589	0.05	0.05	0	ANNUAL	PHASE1	1		NA	Overwater
	382588.68	3733254.4	3.91213	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382598.46	3733259.7	4.08535	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382601.96	3733255.4	4.24796	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382626.61	3733236.3	3.30055	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382642.35	3733211.6	2.27512	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382667.08	3733171.7	1.39496	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382679.04	3733121	0.98083	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382655.23	3733093.8	0.75689	0	0	0	ANNUAL	PHASE1	1		NA	Overwater
	382620.11	3733080.7	0.50578	0	0	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382541.44	3733105.3	0.31075	3.16	3.16	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382534.46	3733148.5	0.47325	3.25	3.25	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382513.11	3733156	0.43931	3.26	3.26	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382487.96	3733212.8	1.02834	3.58	3.58	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382486.28	3733240.2	1.64875	3.91	3.91	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382527.56	3733260.1	3.42702	3.23	3.23	0	ANNUAL	PHASE1	1		NA	FENCEINT
	382569.92	3733259.5	3.50858	0.35	2.92	0	ANNUAL	PHASE1	1		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:37:05
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID

										Impact	Type
382707.85	3733112.6	1.35056	0	0	0	ANNUAL	PHASE2	1		1.35	ALBS
382683.73	3733072.5	0.65614	0	0	0	ANNUAL	PHASE2	1		0.66	ALBS
382647.97	3733059	0.38999	0	0	0	ANNUAL	PHASE2	1		0.39	ALBS
382613.22	3733046.2	0.22185	0	0	0	ANNUAL	PHASE2	1		0.22	ALBS
382583.03	3733019.9	0.13017	1.81	1.81	0	ANNUAL	PHASE2	1		0.13	ALBS
382553.66	3733037.9	0.11898	3.46	3.46	0	ANNUAL	PHASE2	1		0.12	ALBS
382536.08	3733073.2	0.1299	3.18	3.18	0	ANNUAL	PHASE2	1		0.13	ALBS
382501.43	3733099.5	0.11808	3.16	3.16	0	ANNUAL	PHASE2	1		0.12	ALBS
382483.38	3733121.6	0.11354	3.21	3.21	0	ANNUAL	PHASE2	1		0.11	ALBS
382470.23	3733141	0.12315	3.16	3.16	0	ANNUAL	PHASE2	1		0.12	ALBS
382460.59	3733178	0.15475	3.66	3.66	0	ANNUAL	PHASE2	1		0.15	ALBS
382458.02	3733211	0.19593	4.16	4.16	0	ANNUAL	PHASE2	1		0.20	ALBS
382456.33	3733238.4	0.22578	4.61	4.61	0	ANNUAL	PHASE2	1		0.23	ALBS
382454.65	3733265.8	0.24102	5.12	5.12	0	ANNUAL	PHASE2	1		0.24	ALBS
382489.93	3733291.5	0.33258	4.49	4.49	0	ANNUAL	PHASE2	1		0.33	ALBS
382518.43	3733301.2	0.44255	2.67	2.67	0	ANNUAL	PHASE2	1	NA		Overwater
382610.87	3733260.9	2.49122	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382658.09	3733187	2.73175	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382676.06	3733156.5	2.06271	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382684.97	3733141.5	1.72952	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382673.11	3733100.6	0.84758	0	0	0	ANNUAL	PHASE2	1	NA		Overwater
382637.35	3733087	0.48938	0	0	0	ANNUAL	PHASE2	1	NA		Fenceline
382602.87	3733074.3	0.26014	0	0	0	ANNUAL	PHASE2	1	NA		Fenceline
382602.05	3733051.1	0.20352	0	3.43	0	ANNUAL	PHASE2	1		0.20	ALBS
382581.18	3733049.8	0.16048	2.04	2.04	0	ANNUAL	PHASE2	1	NA		Fenceline
382572.84	3733069.1	0.17346	2.99	3.17	0	ANNUAL	PHASE2	1	NA		Fenceline
382562.24	3733087.9	0.18241	2.92	2.92	0	ANNUAL	PHASE2	1	NA		Fenceline
382520.63	3733122.6	0.14772	3.16	3.16	0	ANNUAL	PHASE2	1	NA		Fenceline
382541.95	3733133.8	0.20707	3.17	3.17	0	ANNUAL	PHASE2	1	NA		Fenceline
382526.98	3733163.3	0.19144	3.39	3.39	0	ANNUAL	PHASE2	1	NA		Fenceline

382499.23	3733148.7	0.14486	3.05	3.05	0	ANNUAL	PHASE2	1	NA	Fenceline
382494.38	3733167	0.16085	2.92	2.92	0	ANNUAL	PHASE2	1	NA	Fenceline
382489.65	3733185.4	0.18411	3.22	3.22	0	ANNUAL	PHASE2	1	NA	Fenceline
382484.59	3733267.6	0.31842	4.28	4.28	0	ANNUAL	PHASE2	1	0.32	ALBS
382502.13	3733248.2	0.37527	3.72	3.72	0	ANNUAL	PHASE2	1	NA	Fenceline
382552.99	3733272	0.82922	0.96	2.92	0	ANNUAL	PHASE2	1	NA	Fenceline
382560.13	3733276.2	0.90988	0.42	0.42	0	ANNUAL	PHASE2	1	NA	Overwater
382579.71	3733242.7	1.88628	0.37	0.37	0	ANNUAL	PHASE2	1	NA	Overwater
382591.57	3733249.3	2.14141	0.05	0.05	0	ANNUAL	PHASE2	1	NA	Overwater
382588.68	3733254.4	1.9357	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382598.46	3733259.7	2.14513	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382601.96	3733255.4	2.34519	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382626.61	3733236.3	3.17926	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382642.35	3733211.6	2.72601	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382667.08	3733171.7	2.44919	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382679.04	3733121	1.1933	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382655.23	3733093.8	0.65741	0	0	0	ANNUAL	PHASE2	1	NA	Overwater
382620.11	3733080.7	0.35615	0	0	0	ANNUAL	PHASE2	1	NA	FENCEINT
382541.44	3733105.3	0.17132	3.16	3.16	0	ANNUAL	PHASE2	1	NA	FENCEINT
382534.46	3733148.5	0.19263	3.25	3.25	0	ANNUAL	PHASE2	1	NA	FENCEINT
382513.11	3733156	0.15998	3.26	3.26	0	ANNUAL	PHASE2	1	NA	FENCEINT
382487.96	3733212.8	0.24775	3.58	3.58	0	ANNUAL	PHASE2	1	NA	FENCEINT
382486.28	3733240.2	0.29554	3.91	3.91	0	ANNUAL	PHASE2	1	NA	FENCEINT
382527.56	3733260.1	0.5614	3.23	3.23	0	ANNUAL	PHASE2	1	NA	FENCEINT
382569.92	3733259.5	1.39111	0.35	2.92	0	ANNUAL	PHASE2	1	NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): Port of Los Angeles - Al Larson Boat Shop 07/08/11
* MODELING OPTIONS USED: 16:37:05
* NonDFAULT CONC ELEV NODRYDPLT NOWETDPLT OLM
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)
* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID

										Impact	Type
382707.85	3733112.6	0.74245	0	0	0	ANNUAL	PHASE3	1		0.74	ALBS
382683.73	3733072.5	1.24418	0	0	0	ANNUAL	PHASE3	1		1.24	ALBS
382647.97	3733059	1.68319	0	0	0	ANNUAL	PHASE3	1		1.68	ALBS
382613.22	3733046.2	1.67312	0	0	0	ANNUAL	PHASE3	1		1.67	ALBS
382583.03	3733019.9	1.07783	1.81	1.81	0	ANNUAL	PHASE3	1		1.08	ALBS
382553.66	3733037.9	0.86153	3.46	3.46	0	ANNUAL	PHASE3	1		0.86	ALBS
382536.08	3733073.2	0.92584	3.18	3.18	0	ANNUAL	PHASE3	1		0.93	ALBS
382501.43	3733099.5	0.65738	3.16	3.16	0	ANNUAL	PHASE3	1		0.66	ALBS
382483.38	3733121.6	0.77422	3.21	3.21	0	ANNUAL	PHASE3	1		0.77	ALBS
382470.23	3733141	1.01071	3.16	3.16	0	ANNUAL	PHASE3	1		1.01	ALBS
382460.59	3733178	1.49909	3.66	3.66	0	ANNUAL	PHASE3	1		1.50	ALBS
382458.02	3733211	1.6295	4.16	4.16	0	ANNUAL	PHASE3	1		1.63	ALBS
382456.33	3733238.4	1.4382	4.61	4.61	0	ANNUAL	PHASE3	1		1.44	ALBS
382454.65	3733265.8	1.16978	5.12	5.12	0	ANNUAL	PHASE3	1		1.17	ALBS
382489.93	3733291.5	1.30389	4.49	4.49	0	ANNUAL	PHASE3	1		1.30	ALBS
382518.43	3733301.2	1.44095	2.67	2.67	0	ANNUAL	PHASE3	1	NA		Overwater
382610.87	3733260.9	1.3107	0	0	0	ANNUAL	PHASE3	1	NA		Overwater
382658.09	3733187	0.65672	0	0	0	ANNUAL	PHASE3	1	NA		Overwater
382676.06	3733156.5	0.76645	0	0	0	ANNUAL	PHASE3	1	NA		Overwater
382684.97	3733141.5	0.79143	0	0	0	ANNUAL	PHASE3	1	NA		Overwater
382673.11	3733100.6	1.29205	0	0	0	ANNUAL	PHASE3	1	NA		Overwater
382637.35	3733087	1.96234	0	0	0	ANNUAL	PHASE3	1	NA		Fenceline
382602.87	3733074.3	2.12877	0	0	0	ANNUAL	PHASE3	1	NA		Fenceline
382602.05	3733051.1	1.69453	0	3.43	0	ANNUAL	PHASE3	1		1.69	ALBS
382581.18	3733049.8	1.48184	2.04	2.04	0	ANNUAL	PHASE3	1	NA		Fenceline
382572.84	3733069.1	1.70803	2.99	3.17	0	ANNUAL	PHASE3	1	NA		Fenceline
382562.24	3733087.9	1.94782	2.92	2.92	0	ANNUAL	PHASE3	1	NA		Fenceline
382520.63	3733122.6	1.24274	3.16	3.16	0	ANNUAL	PHASE3	1	NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
	382541.95	3733133.8	2.94157	3.17	3.17	0	ANNUAL	PHASE3	1		NA	Fenceline
	382526.98	3733163.3	5.07393	3.39	3.39	0	ANNUAL	PHASE3	1		NA	Fenceline
	382499.23	3733148.7	1.69908	3.05	3.05	0	ANNUAL	PHASE3	1		NA	Fenceline
	382494.38	3733167	2.40332	2.92	2.92	0	ANNUAL	PHASE3	1		NA	Fenceline
	382489.65	3733185.4	2.86852	3.22	3.22	0	ANNUAL	PHASE3	1		NA	Fenceline
	382484.59	3733267.6	1.64471	4.28	4.28	0	ANNUAL	PHASE3	1		1.64	ALBS
	382502.13	3733248.2	2.7224	3.72	3.72	0	ANNUAL	PHASE3	1		NA	Fenceline
	382552.99	3733272	2.65946	0.96	2.92	0	ANNUAL	PHASE3	1		NA	Fenceline
	382560.13	3733276.2	2.37472	0.42	0.42	0	ANNUAL	PHASE3	1		NA	Overwater
	382579.71	3733242.7	3.30299	0.37	0.37	0	ANNUAL	PHASE3	1		NA	Overwater
	382591.57	3733249.3	2.2925	0.05	0.05	0	ANNUAL	PHASE3	1		NA	Overwater
	382588.68	3733254.4	2.33735	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382598.46	3733259.7	1.78465	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382601.96	3733255.4	1.68952	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382626.61	3733236.3	0.8407	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382642.35	3733211.6	0.59267	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382667.08	3733171.7	0.72183	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382679.04	3733121	1.04493	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382655.23	3733093.8	1.6443	0	0	0	ANNUAL	PHASE3	1		NA	Overwater
	382620.11	3733080.7	2.14757	0	0	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382541.44	3733105.3	1.701	3.16	3.16	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382534.46	3733148.5	3.45012	3.25	3.25	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382513.11	3733156	2.62183	3.26	3.26	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382487.96	3733212.8	3.043	3.58	3.58	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382486.28	3733240.2	2.31576	3.91	3.91	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382527.56	3733260.1	3.0558	3.23	3.23	0	ANNUAL	PHASE3	1		NA	FENCEINT
	382569.92	3733259.5	3.01602	0.35	2.92	0	ANNUAL	PHASE3	1		NA	Overwater

** CONCUNIT ug /m^3

** DEPUNIT g/m ^2

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:15:17
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	7.67569	0	0	0	24-HR	PHASE1	1ST	6120524		7.68	ALBS
382683.7	3733072.5	6.97673	0	0	0	24-HR	PHASE1	1ST	6120524		6.98	ALBS
382648	3733059	5.98278	0	0	0	24-HR	PHASE1	1ST	6120624		5.98	ALBS
382613.2	3733046.2	6.20811	0	0	0	24-HR	PHASE1	1ST	6120624		6.21	ALBS
382583	3733019.9	4.74638	1.81	1.81	0	24-HR	PHASE1	1ST	6120624		4.75	ALBS
382553.7	3733037.9	3.84345	3.46	3.46	0	24-HR	PHASE1	1ST	6120624		3.84	ALBS
382536.1	3733073.2	4.40883	3.18	3.18	0	24-HR	PHASE1	1ST	6120724		4.41	ALBS
382501.4	3733099.5	5.50204	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		5.50	ALBS
382483.4	3733121.6	5.73126	3.21	3.21	0	24-HR	PHASE1	1ST	7011124		5.73	ALBS
382470.2	3733141	8.63418	3.16	3.16	0	24-HR	PHASE1	1ST	6120924		8.63	ALBS
382460.6	3733178	13.18022	3.66	3.66	0	24-HR	PHASE1	1ST	6120924		13.18	ALBS
382458	3733211	13.56865	4.16	4.16	0	24-HR	PHASE1	1ST	6110924		13.57	ALBS
382456.3	3733238.4	10.66325	4.61	4.61	0	24-HR	PHASE1	1ST	7020724		10.66	ALBS
382454.7	3733265.8	10.51582	5.12	5.12	0	24-HR	PHASE1	1ST	6121524		10.52	ALBS
382489.9	3733291.5	14.42958	4.49	4.49	0	24-HR	PHASE1	1ST	6121524		14.43	ALBS
382518.4	3733301.2	18.41994	2.67	2.67	0	24-HR	PHASE1	1ST	6121524		NA	Overwater
382610.9	3733260.9	26.90725	0	0	0	24-HR	PHASE1	1ST	7020124		NA	Overwater
382658.1	3733187	13.40992	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382676.1	3733156.5	10.52852	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382685	3733141.5	9.48772	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382673.1	3733100.6	8.21572	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382637.4	3733087	7.09694	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.9	3733074.3	7.12374	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.1	3733051.1	6.23058	0	3.43	0	24-HR	PHASE1	1ST	6120624		6.23	ALBS
382581.2	3733049.8	5.64397	2.04	2.04	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382572.8	3733069.1	6.04989	2.99	3.17	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382562.2	3733087.9	6.29178	2.92	2.92	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382520.6	3733122.6	6.61923	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		NA	Fenceline
382542	3733133.8	7.91655	3.17	3.17	0	24-HR	PHASE1	1ST	6120724		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	10.85921	3.39	3.39	0	24-HR	PHASE1	1ST	7010424		NA	Fenceline
382499.2	3733148.7	8.07741	3.05	3.05	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382494.4	3733167	12.57546	2.92	2.92	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382489.7	3733185.4	17.84267	3.22	3.22	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382484.6	3733267.6	15.16567	4.28	4.28	0	24-HR	PHASE1	1ST	6121524		15.17	ALBS
382502.1	3733248.2	18.34292	3.72	3.72	0	24-HR	PHASE1	1ST	6110924		NA	Fenceline
382553	3733272	25.80135	0.96	2.92	0	24-HR	PHASE1	1ST	6110924		NA	Fenceline
382560.1	3733276.2	25.20322	0.42	0.42	0	24-HR	PHASE1	1ST	6110924		NA	Overwater
382579.7	3733242.7	22.47934	0.37	0.37	0	24-HR	PHASE1	1ST	7010424		NA	Overwater
382591.6	3733249.3	22.71042	0.05	0.05	0	24-HR	PHASE1	1ST	6122624		NA	Overwater
382588.7	3733254.4	21.4689	0	0	0	24-HR	PHASE1	1ST	7010424		NA	Overwater
382598.5	3733259.7	22.75111	0	0	0	24-HR	PHASE1	1ST	7020124		NA	Overwater
382602	3733255.4	24.83446	0	0	0	24-HR	PHASE1	1ST	7012924		NA	Overwater
382626.6	3733236.3	22.94785	0	0	0	24-HR	PHASE1	1ST	6122624		NA	Overwater
382642.4	3733211.6	17.14073	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382667.1	3733171.7	11.81021	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382679	3733121	8.99233	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382655.2	3733093.8	7.80378	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382620.1	3733080.7	7.36942	0	0	0	24-HR	PHASE1	1ST	6120624		NA	FENCEINT
382541.4	3733105.3	5.91746	3.16	3.16	0	24-HR	PHASE1	1ST	6120724		NA	FENCEINT
382534.5	3733148.5	8.75094	3.25	3.25	0	24-HR	PHASE1	1ST	6120724		NA	FENCEINT
382513.1	3733156	9.41383	3.26	3.26	0	24-HR	PHASE1	1ST	7010424		NA	FENCEINT
382488	3733212.8	21.16564	3.58	3.58	0	24-HR	PHASE1	1ST	6110924		NA	FENCEINT
382486.3	3733240.2	16.78365	3.91	3.91	0	24-HR	PHASE1	1ST	7012724		NA	FENCEINT
382527.6	3733260.1	21.80038	3.23	3.23	0	24-HR	PHASE1	1ST	6110924		NA	FENCEINT
382569.9	3733259.5	27.05092	0.35	2.92	0	24-HR	PHASE1	1ST	6110924		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:15:17
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	**Impact**	**Type**
382707.9	3733112.6	12.50839	0	0	0	24-HR	PHASE2	1ST	6120624		12.51	ALBS
382683.7	3733072.5	7.04499	0	0	0	24-HR	PHASE2	1ST	6120624		7.04	ALBS
382648	3733059	3.90506	0	0	0	24-HR	PHASE2	1ST	6120624		3.91	ALBS
382613.2	3733046.2	2.86952	0	0	0	24-HR	PHASE2	1ST	7011124		2.87	ALBS
382583	3733019.9	2.48209	1.81	1.81	0	24-HR	PHASE2	1ST	7011124		2.48	ALBS
382553.7	3733037.9	2.43219	3.46	3.46	0	24-HR	PHASE2	1ST	7011124		2.43	ALBS
382536.1	3733073.2	3.60928	3.18	3.18	0	24-HR	PHASE2	1ST	6120924		3.61	ALBS
382501.4	3733099.5	4.15036	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		4.15	ALBS
382483.4	3733121.6	3.98662	3.21	3.21	0	24-HR	PHASE2	1ST	6120924		3.99	ALBS
382470.2	3733141	3.69045	3.16	3.16	0	24-HR	PHASE2	1ST	6110924		3.69	ALBS
382460.6	3733178	2.90063	3.66	3.66	0	24-HR	PHASE2	1ST	7012824		2.90	ALBS
382458	3733211	3.55395	4.16	4.16	0	24-HR	PHASE2	1ST	7020724		3.55	ALBS
382456.3	3733238.4	3.38668	4.61	4.61	0	24-HR	PHASE2	1ST	7020724		3.39	ALBS
382454.7	3733265.8	3.77676	5.12	5.12	0	24-HR	PHASE2	1ST	6121524		3.78	ALBS
382489.9	3733291.5	5.27701	4.49	4.49	0	24-HR	PHASE2	1ST	6121524		5.28	ALBS
382518.4	3733301.2	6.23904	2.67	2.67	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382610.9	3733260.9	14.10985	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382658.1	3733187	13.26704	0	0	0	24-HR	PHASE2	1ST	6122424		NA	Overwater
382676.1	3733156.5	13.86204	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382685	3733141.5	14.20309	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382673.1	3733100.6	7.76088	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382637.4	3733087	4.25983	0	0	0	24-HR	PHASE2	1ST	6120724		NA	Fenceline
382602.9	3733074.3	3.37256	0	0	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382602.1	3733051.1	2.96308	0	3.43	0	24-HR	PHASE2	1ST	7011124		2.96	ALBS
382581.2	3733049.8	2.85158	2.04	2.04	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382572.8	3733069.1	3.11823	2.99	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382562.2	3733087.9	3.97005	2.92	2.92	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382520.6	3733122.6	5.12804	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382542	3733133.8	6.09807	3.17	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382527	3733163.3	6.20736	3.39	3.39	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline

382499.2	3733148.7	4.67068	3.05	3.05	0	24-HR	PHASE2	1ST	6110924	NA	Fenceline
382494.4	3733167	4.43244	2.92	2.92	0	24-HR	PHASE2	1ST	6110924	NA	Fenceline
382489.7	3733185.4	3.81146	3.22	3.22	0	24-HR	PHASE2	1ST	7012824	NA	Fenceline
382484.6	3733267.6	4.85113	4.28	4.28	0	24-HR	PHASE2	1ST	6121524	4.85	ALBS
382502.1	3733248.2	5.0488	3.72	3.72	0	24-HR	PHASE2	1ST	6121524	NA	Fenceline
382553	3733272	9.47596	0.96	2.92	0	24-HR	PHASE2	1ST	6121524	NA	Fenceline
382560.1	3733276.2	10.10797	0.42	0.42	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382579.7	3733242.7	10.81	0.37	0.37	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382591.6	3733249.3	11.98976	0.05	0.05	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382588.7	3733254.4	11.89585	0	0	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382598.5	3733259.7	13.13447	0	0	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382602	3733255.4	13.22542	0	0	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382626.6	3733236.3	13.21166	0	0	0	24-HR	PHASE2	1ST	6121524	NA	Overwater
382642.4	3733211.6	11.40773	0	0	0	24-HR	PHASE2	1ST	7010424	NA	Overwater
382667.1	3733171.7	13.40657	0	0	0	24-HR	PHASE2	1ST	6122424	NA	Overwater
382679	3733121	10.50011	0	0	0	24-HR	PHASE2	1ST	6120624	NA	Overwater
382655.2	3733093.8	5.53924	0	0	0	24-HR	PHASE2	1ST	6120624	NA	Overwater
382620.1	3733080.7	3.68975	0	0	0	24-HR	PHASE2	1ST	7010424	NA	FENCEINT
382541.4	3733105.3	4.74862	3.16	3.16	0	24-HR	PHASE2	1ST	6120924	NA	FENCEINT
382534.5	3733148.5	6.44671	3.25	3.25	0	24-HR	PHASE2	1ST	6120924	NA	FENCEINT
382513.1	3733156	5.33862	3.26	3.26	0	24-HR	PHASE2	1ST	6110924	NA	FENCEINT
382488	3733212.8	4.23896	3.58	3.58	0	24-HR	PHASE2	1ST	7020724	NA	FENCEINT
382486.3	3733240.2	3.9896	3.91	3.91	0	24-HR	PHASE2	1ST	6121524	NA	FENCEINT
382527.6	3733260.1	6.96697	3.23	3.23	0	24-HR	PHASE2	1ST	6121524	NA	FENCEINT
382569.9	3733259.5	11.35219	0.35	2.92	0	24-HR	PHASE2	1ST	6121524	NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:15:17
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	**Impact**	**Type**
382707.9	3733112.6	8.50456	0	0	0	24-HR	PHASE3	1ST	7020124		8.50	ALBS
382683.7	3733072.5	12.04512	0	0	0	24-HR	PHASE3	1ST	7013124		12.05	ALBS
382648	3733059	12.07465	0	0	0	24-HR	PHASE3	1ST	7022124		12.07	ALBS
382613.2	3733046.2	11.96301	0	0	0	24-HR	PHASE3	1ST	6120524		11.96	ALBS
382583	3733019.9	10.30122	1.81	1.81	0	24-HR	PHASE3	1ST	6120624		10.30	ALBS
382553.7	3733037.9	9.70337	3.46	3.46	0	24-HR	PHASE3	1ST	6120624		9.70	ALBS
382536.1	3733073.2	9.37332	3.18	3.18	0	24-HR	PHASE3	1ST	6120624		9.37	ALBS
382501.4	3733099.5	10.88758	3.16	3.16	0	24-HR	PHASE3	1ST	6120924		10.89	ALBS
382483.4	3733121.6	17.75735	3.21	3.21	0	24-HR	PHASE3	1ST	6120924		17.76	ALBS
382470.2	3733141	17.17101	3.16	3.16	0	24-HR	PHASE3	1ST	6110924		17.17	ALBS
382460.6	3733178	15.13966	3.66	3.66	0	24-HR	PHASE3	1ST	7020724		15.14	ALBS
382458	3733211	17.27036	4.16	4.16	0	24-HR	PHASE3	1ST	6121524		17.27	ALBS
382456.3	3733238.4	13.80871	4.61	4.61	0	24-HR	PHASE3	1ST	6121524		13.81	ALBS
382454.7	3733265.8	7.9724	5.12	5.12	0	24-HR	PHASE3	1ST	6121524		7.97	ALBS
382489.9	3733291.5	6.13489	4.49	4.49	0	24-HR	PHASE3	1ST	6102324		6.13	ALBS
382518.4	3733301.2	5.77699	2.67	2.67	0	24-HR	PHASE3	1ST	7040524		NA	Overwater
382610.9	3733260.9	9.67312	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382658.1	3733187	12.83583	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382676.1	3733156.5	13.47176	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382685	3733141.5	12.07632	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382673.1	3733100.6	13.50289	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382637.4	3733087	16.28602	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Fenceline
382602.9	3733074.3	16.9268	0	0	0	24-HR	PHASE3	1ST	6120524		NA	Fenceline
382602.1	3733051.1	11.71463	0	3.43	0	24-HR	PHASE3	1ST	6120524		11.71	ALBS
382581.2	3733049.8	13.38595	2.04	2.04	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382572.8	3733069.1	16.53375	2.99	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382562.2	3733087.9	20.53611	2.92	2.92	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382520.6	3733122.6	18.37162	3.16	3.16	0	24-HR	PHASE3	1ST	7010424		NA	Fenceline
382542	3733133.8	30.60501	3.17	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382527	3733163.3	36.93251	3.39	3.39	0	24-HR	PHASE3	1ST	6120924		NA	Fenceline
382499.2	3733148.7	26.94979	3.05	3.05	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382494.4	3733167	27.20491	2.92	2.92	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382489.7	3733185.4	22.6517	3.22	3.22	0	24-HR	PHASE3	1ST	7020724		NA	Fenceline
382484.6	3733267.6	7.50641	4.28	4.28	0	24-HR	PHASE3	1ST	7032324		7.51	ALBS
382502.1	3733248.2	12.08407	3.72	3.72	0	24-HR	PHASE3	1ST	6121524		NA	Fenceline
382553	3733272	12.16476	0.96	2.92	0	24-HR	PHASE3	1ST	6091924		NA	Fenceline
382560.1	3733276.2	11.87526	0.42	0.42	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382579.7	3733242.7	16.26245	0.37	0.37	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382591.6	3733249.3	12.60742	0.05	0.05	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382588.7	3733254.4	12.2344	0	0	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382598.5	3733259.7	10.25585	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382602	3733255.4	10.95392	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382626.6	3733236.3	10.1217	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382642.4	3733211.6	9.92465	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382667.1	3733171.7	13.74817	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382679	3733121	11.30974	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382655.2	3733093.8	16.54969	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382620.1	3733080.7	17.47018	0	0	0	24-HR	PHASE3	1ST	6120524		NA	FENCEINT
382541.4	3733105.3	18.11516	3.16	3.16	0	24-HR	PHASE3	1ST	6120624		NA	FENCEINT
382534.5	3733148.5	36.34393	3.25	3.25	0	24-HR	PHASE3	1ST	7010424		NA	FENCEINT
382513.1	3733156	33.97785	3.26	3.26	0	24-HR	PHASE3	1ST	6110924		NA	FENCEINT
382488	3733212.8	27.48226	3.58	3.58	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382486.3	3733240.2	15.36451	3.91	3.91	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382527.6	3733260.1	11.37385	3.23	3.23	0	24-HR	PHASE3	1ST	7040524		NA	FENCEINT
382569.9	3733259.5	15.10098	0.35	2.92	0	24-HR	PHASE3	1ST	6121624		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:32:50
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		**Impact**	**Type**
382707.9	3733112.6	0.04799	0	0	0	ANNUAL	PHASE1	1			0.05	ALBS
382683.7	3733072.5	0.04305	0	0	0	ANNUAL	PHASE1	1			0.04	ALBS
382648	3733059	0.03906	0	0	0	ANNUAL	PHASE1	1			0.04	ALBS
382613.2	3733046.2	0.03008	0	0	0	ANNUAL	PHASE1	1			0.03	ALBS
382583	3733019.9	0.01843	1.81	1.81	0	ANNUAL	PHASE1	1			0.02	ALBS
382553.7	3733037.9	0.016	3.46	3.46	0	ANNUAL	PHASE1	1			0.02	ALBS
382536.1	3733073.2	0.01874	3.18	3.18	0	ANNUAL	PHASE1	1			0.02	ALBS
382501.4	3733099.5	0.01585	3.16	3.16	0	ANNUAL	PHASE1	1			0.02	ALBS
382483.4	3733121.6	0.01653	3.21	3.21	0	ANNUAL	PHASE1	1			0.02	ALBS
382470.2	3733141	0.01848	3.16	3.16	0	ANNUAL	PHASE1	1			0.02	ALBS
382460.6	3733178	0.02841	3.66	3.66	0	ANNUAL	PHASE1	1			0.03	ALBS
382458	3733211	0.04567	4.16	4.16	0	ANNUAL	PHASE1	1			0.05	ALBS
382456.3	3733238.4	0.05736	4.61	4.61	0	ANNUAL	PHASE1	1			0.06	ALBS
382454.7	3733265.8	0.0558	5.12	5.12	0	ANNUAL	PHASE1	1			0.06	ALBS
382489.9	3733291.5	0.08867	4.49	4.49	0	ANNUAL	PHASE1	1			0.09	ALBS
382518.4	3733301.2	0.12337	2.67	2.67	0	ANNUAL	PHASE1	1		NA		Overwater
382610.9	3733260.9	0.24402	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382658.1	3733187	0.09826	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382676.1	3733156.5	0.07206	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382685	3733141.5	0.0629	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382673.1	3733100.6	0.05268	0	0	0	ANNUAL	PHASE1	1		NA		Overwater
382637.4	3733087	0.04868	0	0	0	ANNUAL	PHASE1	1		NA		Fenceline
382602.9	3733074.3	0.03737	0	0	0	ANNUAL	PHASE1	1		NA		Fenceline
382602.1	3733051.1	0.02918	0	3.43	0	ANNUAL	PHASE1	1			0.03	ALBS
382581.2	3733049.8	0.02449	2.04	2.04	0	ANNUAL	PHASE1	1		NA		Fenceline
382572.8	3733069.1	0.02808	2.99	3.17	0	ANNUAL	PHASE1	1		NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		Impact	Type
382562.2	3733087.9	0.03154	2.92	2.92		0	ANNUAL	PHASE1		1	NA	Fenceline
382520.6	3733122.6	0.02843	3.16	3.16		0	ANNUAL	PHASE1		1	NA	Fenceline
382542	3733133.8	0.04925	3.17	3.17		0	ANNUAL	PHASE1		1	NA	Fenceline
382527	3733163.3	0.07159	3.39	3.39		0	ANNUAL	PHASE1		1	NA	Fenceline
382499.2	3733148.7	0.02897	3.05	3.05		0	ANNUAL	PHASE1		1	NA	Fenceline
382494.4	3733167	0.03627	2.92	2.92		0	ANNUAL	PHASE1		1	NA	Fenceline
382489.7	3733185.4	0.04916	3.22	3.22		0	ANNUAL	PHASE1		1	NA	Fenceline
382484.6	3733267.6	0.10576	4.28	4.28		0	ANNUAL	PHASE1		1	0.11	ALBS
382502.1	3733248.2	0.18329	3.72	3.72		0	ANNUAL	PHASE1		1	NA	Fenceline
382553	3733272	0.26121	0.96	2.92		0	ANNUAL	PHASE1		1	NA	Fenceline
382560.1	3733276.2	0.27498	0.42	0.42		0	ANNUAL	PHASE1		1	NA	Overwater
382579.7	3733242.7	0.2294	0.37	0.37		0	ANNUAL	PHASE1		1	NA	Overwater
382591.6	3733249.3	0.24475	0.05	0.05		0	ANNUAL	PHASE1		1	NA	Overwater
382588.7	3733254.4	0.23083	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382598.5	3733259.7	0.23144	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382602	3733255.4	0.24726	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382626.6	3733236.3	0.19209	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382642.4	3733211.6	0.13345	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382667.1	3733171.7	0.0836	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382679	3733121	0.05838	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382655.2	3733093.8	0.05185	0	0		0	ANNUAL	PHASE1		1	NA	Overwater
382620.1	3733080.7	0.04372	0	0		0	ANNUAL	PHASE1		1	NA	FENCEINT
382541.4	3733105.3	0.03064	3.16	3.16		0	ANNUAL	PHASE1		1	NA	FENCEINT
382534.5	3733148.5	0.05864	3.25	3.25		0	ANNUAL	PHASE1		1	NA	FENCEINT
382513.1	3733156	0.04395	3.26	3.26		0	ANNUAL	PHASE1		1	NA	FENCEINT
382488	3733212.8	0.08855	3.58	3.58		0	ANNUAL	PHASE1		1	NA	FENCEINT
382486.3	3733240.2	0.12554	3.91	3.91		0	ANNUAL	PHASE1		1	NA	FENCEINT
382527.6	3733260.1	0.23912	3.23	3.23		0	ANNUAL	PHASE1		1	NA	FENCEINT
382569.9	3733259.5	0.21851	0.35	2.92		0	ANNUAL	PHASE1		1	NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:32:50
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
											Impact	**Type**
382707.9	3733112.6	0.07706	0	0	0	ANNUAL	PHASE2	1			0.08	ALBS
382683.7	3733072.5	0.0418	0	0	0	ANNUAL	PHASE2	1			0.04	ALBS
382648	3733059	0.02826	0	0	0	ANNUAL	PHASE2	1			0.03	ALBS
382613.2	3733046.2	0.01606	0	0	0	ANNUAL	PHASE2	1			0.02	ALBS
382583	3733019.9	0.0082	1.81	1.81	0	ANNUAL	PHASE2	1			0.01	ALBS
382553.7	3733037.9	0.00724	3.46	3.46	0	ANNUAL	PHASE2	1			0.01	ALBS
382536.1	3733073.2	0.00869	3.18	3.18	0	ANNUAL	PHASE2	1			0.01	ALBS
382501.4	3733099.5	0.00881	3.16	3.16	0	ANNUAL	PHASE2	1			0.01	ALBS
382483.4	3733121.6	0.00946	3.21	3.21	0	ANNUAL	PHASE2	1			0.01	ALBS
382470.2	3733141	0.01008	3.16	3.16	0	ANNUAL	PHASE2	1			0.01	ALBS
382460.6	3733178	0.01255	3.66	3.66	0	ANNUAL	PHASE2	1			0.01	ALBS
382458	3733211	0.01465	4.16	4.16	0	ANNUAL	PHASE2	1			0.01	ALBS
382456.3	3733238.4	0.01502	4.61	4.61	0	ANNUAL	PHASE2	1			0.02	ALBS
382454.7	3733265.8	0.0143	5.12	5.12	0	ANNUAL	PHASE2	1			0.01	ALBS
382489.9	3733291.5	0.01911	4.49	4.49	0	ANNUAL	PHASE2	1			0.02	ALBS
382518.4	3733301.2	0.02534	2.67	2.67	0	ANNUAL	PHASE2	1		NA		Overwater
382610.9	3733260.9	0.13717	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382658.1	3733187	0.17025	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382676.1	3733156.5	0.12354	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382685	3733141.5	0.10437	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382673.1	3733100.6	0.05615	0	0	0	ANNUAL	PHASE2	1		NA		Overwater
382637.4	3733087	0.03803	0	0	0	ANNUAL	PHASE2	1		NA		Fenceline
382602.9	3733074.3	0.02	0	0	0	ANNUAL	PHASE2	1		NA		Fenceline
382602.1	3733051.1	0.01458	0	3.43	0	ANNUAL	PHASE2	1			0.01	ALBS
382581.2	3733049.8	0.01068	2.04	2.04	0	ANNUAL	PHASE2	1		NA		Fenceline
382572.8	3733069.1	0.0117	2.99	3.17	0	ANNUAL	PHASE2	1		NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	0.01268	2.92	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382520.6	3733122.6	0.01292	3.16	3.16		0	ANNUAL	PHASE2	1		NA	Fenceline
382542	3733133.8	0.01822	3.17	3.17		0	ANNUAL	PHASE2	1		NA	Fenceline
382527	3733163.3	0.02418	3.39	3.39		0	ANNUAL	PHASE2	1		NA	Fenceline
382499.2	3733148.7	0.01436	3.05	3.05		0	ANNUAL	PHASE2	1		NA	Fenceline
382494.4	3733167	0.01672	2.92	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382489.7	3733185.4	0.01877	3.22	3.22		0	ANNUAL	PHASE2	1		NA	Fenceline
382484.6	3733267.6	0.01981	4.28	4.28		0	ANNUAL	PHASE2	1		0.02	ALBS
382502.1	3733248.2	0.02634	3.72	3.72		0	ANNUAL	PHASE2	1		NA	Fenceline
382553	3733272	0.05338	0.96	2.92		0	ANNUAL	PHASE2	1		NA	Fenceline
382560.1	3733276.2	0.05786	0.42	0.42		0	ANNUAL	PHASE2	1		NA	Overwater
382579.7	3733242.7	0.12143	0.37	0.37		0	ANNUAL	PHASE2	1		NA	Overwater
382591.6	3733249.3	0.13175	0.05	0.05		0	ANNUAL	PHASE2	1		NA	Overwater
382588.7	3733254.4	0.11636	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382598.5	3733259.7	0.12286	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382602	3733255.4	0.13659	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382626.6	3733236.3	0.18348	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382642.4	3733211.6	0.16205	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382667.1	3733171.7	0.14754	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382679	3733121	0.07542	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382655.2	3733093.8	0.04759	0	0		0	ANNUAL	PHASE2	1		NA	Overwater
382620.1	3733080.7	0.0284	0	0		0	ANNUAL	PHASE2	1		NA	FENCEINT
382541.4	3733105.3	0.01253	3.16	3.16		0	ANNUAL	PHASE2	1		NA	FENCEINT
382534.5	3733148.5	0.02105	3.25	3.25		0	ANNUAL	PHASE2	1		NA	FENCEINT
382513.1	3733156	0.01825	3.26	3.26		0	ANNUAL	PHASE2	1		NA	FENCEINT
382488	3733212.8	0.02142	3.58	3.58		0	ANNUAL	PHASE2	1		NA	FENCEINT
382486.3	3733240.2	0.02145	3.91	3.91		0	ANNUAL	PHASE2	1		NA	FENCEINT
382527.6	3733260.1	0.03726	3.23	3.23		0	ANNUAL	PHASE2	1		NA	FENCEINT
382569.9	3733259.5	0.08399	0.35	2.92		0	ANNUAL	PHASE2	1		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 14:32:50
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF ANNUAL VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID		**Impact**	**Type**
382707.9	3733112.6	0.05829	0	0	0	ANNUAL	PHASE3	1			0.06	ALBS
382683.7	3733072.5	0.09786	0	0	0	ANNUAL	PHASE3	1			0.10	ALBS
382648	3733059	0.14117	0	0	0	ANNUAL	PHASE3	1			0.14	ALBS
382613.2	3733046.2	0.14604	0	0	0	ANNUAL	PHASE3	1			0.15	ALBS
382583	3733019.9	0.08636	1.81	1.81	0	ANNUAL	PHASE3	1			0.09	ALBS
382553.7	3733037.9	0.06953	3.46	3.46	0	ANNUAL	PHASE3	1			0.07	ALBS
382536.1	3733073.2	0.08275	3.18	3.18	0	ANNUAL	PHASE3	1			0.08	ALBS
382501.4	3733099.5	0.06605	3.16	3.16	0	ANNUAL	PHASE3	1			0.07	ALBS
382483.4	3733121.6	0.07856	3.21	3.21	0	ANNUAL	PHASE3	1			0.08	ALBS
382470.2	3733141	0.09331	3.16	3.16	0	ANNUAL	PHASE3	1			0.09	ALBS
382460.6	3733178	0.12783	3.66	3.66	0	ANNUAL	PHASE3	1			0.13	ALBS
382458	3733211	0.12842	4.16	4.16	0	ANNUAL	PHASE3	1			0.13	ALBS
382456.3	3733238.4	0.10615	4.61	4.61	0	ANNUAL	PHASE3	1			0.11	ALBS
382454.7	3733265.8	0.08204	5.12	5.12	0	ANNUAL	PHASE3	1			0.08	ALBS
382489.9	3733291.5	0.09115	4.49	4.49	0	ANNUAL	PHASE3	1			0.09	ALBS
382518.4	3733301.2	0.09963	2.67	2.67	0	ANNUAL	PHASE3	1		NA		Overwater
382610.9	3733260.9	0.09403	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382658.1	3733187	0.0574	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382676.1	3733156.5	0.06431	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382685	3733141.5	0.06524	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382673.1	3733100.6	0.10842	0	0	0	ANNUAL	PHASE3	1		NA		Overwater
382637.4	3733087	0.18461	0	0	0	ANNUAL	PHASE3	1		NA		Fenceline
382602.9	3733074.3	0.20977	0	0	0	ANNUAL	PHASE3	1		NA		Fenceline
382602.1	3733051.1	0.15189	0	3.43	0	ANNUAL	PHASE3	1			0.15	ALBS
382581.2	3733049.8	0.131	2.04	2.04	0	ANNUAL	PHASE3	1		NA		Fenceline
382572.8	3733069.1	0.16293	2.99	3.17	0	ANNUAL	PHASE3	1		NA		Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID			
*											**Impact**	**Type**
382562.2	3733087.9	0.2009	2.92	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382520.6	3733122.6	0.14398	3.16	3.16		0	ANNUAL	PHASE3	1		NA	Fenceline
382542	3733133.8	0.39326	3.17	3.17		0	ANNUAL	PHASE3	1		NA	Fenceline
382527	3733163.3	0.56419	3.39	3.39		0	ANNUAL	PHASE3	1		NA	Fenceline
382499.2	3733148.7	0.18195	3.05	3.05		0	ANNUAL	PHASE3	1		NA	Fenceline
382494.4	3733167	0.24545	2.92	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382489.7	3733185.4	0.27598	3.22	3.22		0	ANNUAL	PHASE3	1		NA	Fenceline
382484.6	3733267.6	0.11937	4.28	4.28		0	ANNUAL	PHASE3	1		0.12	ALBS
382502.1	3733248.2	0.20892	3.72	3.72		0	ANNUAL	PHASE3	1		NA	Fenceline
382553	3733272	0.19293	0.96	2.92		0	ANNUAL	PHASE3	1		NA	Fenceline
382560.1	3733276.2	0.17318	0.42	0.42		0	ANNUAL	PHASE3	1		NA	Overwater
382579.7	3733242.7	0.25127	0.37	0.37		0	ANNUAL	PHASE3	1		NA	Overwater
382591.6	3733249.3	0.16922	0.05	0.05		0	ANNUAL	PHASE3	1		NA	Overwater
382588.7	3733254.4	0.17204	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382598.5	3733259.7	0.12934	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382602	3733255.4	0.12229	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382626.6	3733236.3	0.06275	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382642.4	3733211.6	0.05095	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382667.1	3733171.7	0.06172	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382679	3733121	0.08734	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382655.2	3733093.8	0.14596	0	0		0	ANNUAL	PHASE3	1		NA	Overwater
382620.1	3733080.7	0.21021	0	0		0	ANNUAL	PHASE3	1		NA	FENCEINT
382541.4	3733105.3	0.17905	3.16	3.16		0	ANNUAL	PHASE3	1		NA	FENCEINT
382534.5	3733148.5	0.44717	3.25	3.25		0	ANNUAL	PHASE3	1		NA	FENCEINT
382513.1	3733156	0.30149	3.26	3.26		0	ANNUAL	PHASE3	1		NA	FENCEINT
382488	3733212.8	0.25445	3.58	3.58		0	ANNUAL	PHASE3	1		NA	FENCEINT
382486.3	3733240.2	0.17874	3.91	3.91		0	ANNUAL	PHASE3	1		NA	FENCEINT
382527.6	3733260.1	0.22626	3.23	3.23		0	ANNUAL	PHASE3	1		NA	FENCEINT
382569.9	3733259.5	0.2239	0.35	2.92		0	ANNUAL	PHASE3	1		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:09:45
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE1
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	7.04655	0	0	0	24-HR	PHASE1	1ST	6120524		7.05	ALBS
382683.7	3733072.5	6.40242	0	0	0	24-HR	PHASE1	1ST	6120524		6.40	ALBS
382648	3733059	5.49204	0	0	0	24-HR	PHASE1	1ST	6120624		5.49	ALBS
382613.2	3733046.2	5.69708	0	0	0	24-HR	PHASE1	1ST	6120624		5.70	ALBS
382583	3733019.9	4.35444	1.81	1.81	0	24-HR	PHASE1	1ST	6120624		4.35	ALBS
382553.7	3733037.9	3.5253	3.46	3.46	0	24-HR	PHASE1	1ST	6120624		3.53	ALBS
382536.1	3733073.2	4.04531	3.18	3.18	0	24-HR	PHASE1	1ST	6120724		4.05	ALBS
382501.4	3733099.5	5.04876	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		5.05	ALBS
382483.4	3733121.6	5.25829	3.21	3.21	0	24-HR	PHASE1	1ST	7011124		5.26	ALBS
382470.2	3733141	7.92243	3.16	3.16	0	24-HR	PHASE1	1ST	6120924		7.92	ALBS
382460.6	3733178	12.09295	3.66	3.66	0	24-HR	PHASE1	1ST	6120924		12.09	ALBS
382458	3733211	12.44948	4.16	4.16	0	24-HR	PHASE1	1ST	6110924		12.45	ALBS
382456.3	3733238.4	9.782	4.61	4.61	0	24-HR	PHASE1	1ST	7020724		9.78	ALBS
382454.7	3733265.8	9.64476	5.12	5.12	0	24-HR	PHASE1	1ST	6121524		9.64	ALBS
382489.9	3733291.5	13.24094	4.49	4.49	0	24-HR	PHASE1	1ST	6121524		13.24	ALBS
382518.4	3733301.2	16.9084	2.67	2.67	0	24-HR	PHASE1	1ST	6121524		NA	Overwater
382610.9	3733260.9	24.70278	0	0	0	24-HR	PHASE1	1ST	7020124		NA	Overwater
382658.1	3733187	12.31298	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382676.1	3733156.5	9.6663	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382685	3733141.5	8.71036	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382673.1	3733100.6	7.53983	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382637.4	3733087	6.51477	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.9	3733074.3	6.53698	0	0	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382602.1	3733051.1	5.71716	0	3.43	0	24-HR	PHASE1	1ST	6120624		5.72	ALBS
382581.2	3733049.8	5.17783	2.04	2.04	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382572.8	3733069.1	5.54979	2.99	3.17	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382562.2	3733087.9	5.7711	2.92	2.92	0	24-HR	PHASE1	1ST	6120624		NA	Fenceline
382520.6	3733122.6	6.07416	3.16	3.16	0	24-HR	PHASE1	1ST	7011124		NA	Fenceline
382542	3733133.8	7.2627	3.17	3.17	0	24-HR	PHASE1	1ST	6120724		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	9.96268	3.39	3.39	0	24-HR	PHASE1	1ST	7010424		NA	Fenceline
382499.2	3733148.7	7.41213	3.05	3.05	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382494.4	3733167	11.53846	2.92	2.92	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382489.7	3733185.4	16.37007	3.22	3.22	0	24-HR	PHASE1	1ST	6120924		NA	Fenceline
382484.6	3733267.6	13.91002	4.28	4.28	0	24-HR	PHASE1	1ST	6121524		13.91	ALBS
382502.1	3733248.2	16.83229	3.72	3.72	0	24-HR	PHASE1	1ST	6110924		NA	Fenceline
382553	3733272	23.68934	0.96	2.92	0	24-HR	PHASE1	1ST	6110924		NA	Fenceline
382560.1	3733276.2	23.14107	0.42	0.42	0	24-HR	PHASE1	1ST	6110924		NA	Overwater
382579.7	3733242.7	20.64285	0.37	0.37	0	24-HR	PHASE1	1ST	7010424		NA	Overwater
382591.6	3733249.3	20.85418	0.05	0.05	0	24-HR	PHASE1	1ST	6122624		NA	Overwater
382588.7	3733254.4	19.71564	0	0	0	24-HR	PHASE1	1ST	7010424		NA	Overwater
382598.5	3733259.7	20.88373	0	0	0	24-HR	PHASE1	1ST	7020124		NA	Overwater
382602	3733255.4	22.80341	0	0	0	24-HR	PHASE1	1ST	7012924		NA	Overwater
382626.6	3733236.3	21.07301	0	0	0	24-HR	PHASE1	1ST	6122624		NA	Overwater
382642.4	3733211.6	15.73983	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382667.1	3733171.7	10.84356	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382679	3733121	8.25405	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382655.2	3733093.8	7.16037	0	0	0	24-HR	PHASE1	1ST	6120524		NA	Overwater
382620.1	3733080.7	6.76372	0	0	0	24-HR	PHASE1	1ST	6120624		NA	FENCEINT
382541.4	3733105.3	5.42922	3.16	3.16	0	24-HR	PHASE1	1ST	6120724		NA	FENCEINT
382534.5	3733148.5	8.02738	3.25	3.25	0	24-HR	PHASE1	1ST	6120724		NA	FENCEINT
382513.1	3733156	8.6368	3.26	3.26	0	24-HR	PHASE1	1ST	7010424		NA	FENCEINT
382488	3733212.8	19.41806	3.58	3.58	0	24-HR	PHASE1	1ST	6110924		NA	FENCEINT
382486.3	3733240.2	15.39707	3.91	3.91	0	24-HR	PHASE1	1ST	7012724		NA	FENCEINT
382527.6	3733260.1	20.00943	3.23	3.23	0	24-HR	PHASE1	1ST	6110924		NA	FENCEINT
382569.9	3733259.5	24.83901	0.35	2.92	0	24-HR	PHASE1	1ST	6110924		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:09:45
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE2
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	11.48518	0	0	0	24-HR	PHASE2	1ST	6120624		11.49	ALBS
382683.7	3733072.5	6.46485	0	0	0	24-HR	PHASE2	1ST	6120624		6.46	ALBS
382648	3733059	3.57766	0	0	0	24-HR	PHASE2	1ST	6120624		3.58	ALBS
382613.2	3733046.2	2.63361	0	0	0	24-HR	PHASE2	1ST	7011124		2.63	ALBS
382583	3733019.9	2.27712	1.81	1.81	0	24-HR	PHASE2	1ST	7011124		2.28	ALBS
382553.7	3733037.9	2.22982	3.46	3.46	0	24-HR	PHASE2	1ST	7011124		2.23	ALBS
382536.1	3733073.2	3.31093	3.18	3.18	0	24-HR	PHASE2	1ST	6120924		3.31	ALBS
382501.4	3733099.5	3.80439	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		3.80	ALBS
382483.4	3733121.6	3.65345	3.21	3.21	0	24-HR	PHASE2	1ST	6120924		3.65	ALBS
382470.2	3733141	3.38215	3.16	3.16	0	24-HR	PHASE2	1ST	6110924		3.38	ALBS
382460.6	3733178	2.65949	3.66	3.66	0	24-HR	PHASE2	1ST	7012824		2.66	ALBS
382458	3733211	3.2573	4.16	4.16	0	24-HR	PHASE2	1ST	7020724		3.26	ALBS
382456.3	3733238.4	3.10631	4.61	4.61	0	24-HR	PHASE2	1ST	7020724		3.11	ALBS
382454.7	3733265.8	3.46134	5.12	5.12	0	24-HR	PHASE2	1ST	6121524		3.46	ALBS
382489.9	3733291.5	4.84023	4.49	4.49	0	24-HR	PHASE2	1ST	6121524		4.84	ALBS
382518.4	3733301.2	5.72477	2.67	2.67	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382610.9	3733260.9	12.94756	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382658.1	3733187	12.17558	0	0	0	24-HR	PHASE2	1ST	6122424		NA	Overwater
382676.1	3733156.5	12.72569	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382685	3733141.5	13.03988	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382673.1	3733100.6	7.1208	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382637.4	3733087	3.9052	0	0	0	24-HR	PHASE2	1ST	6120724		NA	Fenceline
382602.9	3733074.3	3.09413	0	0	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382602.1	3733051.1	2.71885	0	3.43	0	24-HR	PHASE2	1ST	7011124		2.72	ALBS
382581.2	3733049.8	2.61539	2.04	2.04	0	24-HR	PHASE2	1ST	7011124		NA	Fenceline
382572.8	3733069.1	2.86228	2.99	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382562.2	3733087.9	3.64289	2.92	2.92	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382520.6	3733122.6	4.69913	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline
382542	3733133.8	5.58736	3.17	3.17	0	24-HR	PHASE2	1ST	6120924		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	5.6852	3.39	3.39	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382499.2	3733148.7	4.27942	3.05	3.05	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382494.4	3733167	4.06181	2.92	2.92	0	24-HR	PHASE2	1ST	6110924		NA	Fenceline
382489.7	3733185.4	3.49401	3.22	3.22	0	24-HR	PHASE2	1ST	7012824		NA	Fenceline
382484.6	3733267.6	4.4468	4.28	4.28	0	24-HR	PHASE2	1ST	6121524		4.45	ALBS
382502.1	3733248.2	4.62533	3.72	3.72	0	24-HR	PHASE2	1ST	6121524		NA	Fenceline
382553	3733272	8.6927	0.96	2.92	0	24-HR	PHASE2	1ST	6121524		NA	Fenceline
382560.1	3733276.2	9.27422	0.42	0.42	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382579.7	3733242.7	9.90315	0.37	0.37	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382591.6	3733249.3	10.99114	0.05	0.05	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382588.7	3733254.4	10.90818	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382598.5	3733259.7	12.04954	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382602	3733255.4	12.13121	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382626.6	3733236.3	12.12114	0	0	0	24-HR	PHASE2	1ST	6121524		NA	Overwater
382642.4	3733211.6	10.4754	0	0	0	24-HR	PHASE2	1ST	7010424		NA	Overwater
382667.1	3733171.7	12.30431	0	0	0	24-HR	PHASE2	1ST	6122424		NA	Overwater
382679	3733121	9.63768	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382655.2	3733093.8	5.07747	0	0	0	24-HR	PHASE2	1ST	6120624		NA	Overwater
382620.1	3733080.7	3.38406	0	0	0	24-HR	PHASE2	1ST	7010424		NA	FENCEINT
382541.4	3733105.3	4.35413	3.16	3.16	0	24-HR	PHASE2	1ST	6120924		NA	FENCEINT
382534.5	3733148.5	5.9049	3.25	3.25	0	24-HR	PHASE2	1ST	6120924		NA	FENCEINT
382513.1	3733156	4.89057	3.26	3.26	0	24-HR	PHASE2	1ST	6110924		NA	FENCEINT
382488	3733212.8	3.88453	3.58	3.58	0	24-HR	PHASE2	1ST	7020724		NA	FENCEINT
382486.3	3733240.2	3.65417	3.91	3.91	0	24-HR	PHASE2	1ST	6121524		NA	FENCEINT
382527.6	3733260.1	6.38647	3.23	3.23	0	24-HR	PHASE2	1ST	6121524		NA	FENCEINT
382569.9	3733259.5	10.41136	0.35	2.92	0	24-HR	PHASE2	1ST	6121524		NA	Overwater

* AERMOD (11103): PORT OF LOS ANGELES - AL LARSON BOAT SHOP 07/08/11
* MODELING OPTIONS USED: 15:09:45
* RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT
* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: PHASE3
* FOR A TOTAL OF 55 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382707.9	3733112.6	7.38822	0	0	0	24-HR	PHASE3	1ST	7020124		7.39	ALBS
382683.7	3733072.5	10.46403	0	0	0	24-HR	PHASE3	1ST	7013124		10.46	ALBS
382648	3733059	10.48968	0	0	0	24-HR	PHASE3	1ST	7022124		10.49	ALBS
382613.2	3733046.2	10.3927	0	0	0	24-HR	PHASE3	1ST	6120524		10.39	ALBS
382583	3733019.9	8.94904	1.81	1.81	0	24-HR	PHASE3	1ST	6120624		8.95	ALBS
382553.7	3733037.9	8.42967	3.46	3.46	0	24-HR	PHASE3	1ST	6120624		8.43	ALBS
382536.1	3733073.2	8.14294	3.18	3.18	0	24-HR	PHASE3	1ST	6120624		8.14	ALBS
382501.4	3733099.5	9.45843	3.16	3.16	0	24-HR	PHASE3	1ST	6120924		9.46	ALBS
382483.4	3733121.6	15.42645	3.21	3.21	0	24-HR	PHASE3	1ST	6120924		15.43	ALBS
382470.2	3733141	14.91708	3.16	3.16	0	24-HR	PHASE3	1ST	6110924		14.92	ALBS
382460.6	3733178	13.15237	3.66	3.66	0	24-HR	PHASE3	1ST	7020724		13.15	ALBS
382458	3733211	15.00338	4.16	4.16	0	24-HR	PHASE3	1ST	6121524		15.00	ALBS
382456.3	3733238.4	11.99612	4.61	4.61	0	24-HR	PHASE3	1ST	6121524		12.00	ALBS
382454.7	3733265.8	6.92591	5.12	5.12	0	24-HR	PHASE3	1ST	6121524		6.93	ALBS
382489.9	3733291.5	5.3296	4.49	4.49	0	24-HR	PHASE3	1ST	6102324		5.33	ALBS
382518.4	3733301.2	5.01868	2.67	2.67	0	24-HR	PHASE3	1ST	7040524		NA	Overwater
382610.9	3733260.9	8.40339	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382658.1	3733187	11.15095	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382676.1	3733156.5	11.7034	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382685	3733141.5	10.49113	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382673.1	3733100.6	11.73045	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382637.4	3733087	14.14826	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Fenceline
382602.9	3733074.3	14.70493	0	0	0	24-HR	PHASE3	1ST	6120524		NA	Fenceline
382602.1	3733051.1	10.17692	0	3.43	0	24-HR	PHASE3	1ST	6120524		10.18	ALBS
382581.2	3733049.8	11.62886	2.04	2.04	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382572.8	3733069.1	14.36346	2.99	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382562.2	3733087.9	17.84046	2.92	2.92	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline
382520.6	3733122.6	15.96009	3.16	3.16	0	24-HR	PHASE3	1ST	7010424		NA	Fenceline
382542	3733133.8	26.58768	3.17	3.17	0	24-HR	PHASE3	1ST	6120624		NA	Fenceline

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	RANK	NET ID	DATE(CONC)	Impact	Type
382527	3733163.3	32.08461	3.39	3.39	0	24-HR	PHASE3	1ST	6120924		NA	Fenceline
382499.2	3733148.7	23.41225	3.05	3.05	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382494.4	3733167	23.63389	2.92	2.92	0	24-HR	PHASE3	1ST	6110924		NA	Fenceline
382489.7	3733185.4	19.67835	3.22	3.22	0	24-HR	PHASE3	1ST	7020724		NA	Fenceline
382484.6	3733267.6	6.52109	4.28	4.28	0	24-HR	PHASE3	1ST	7032324		6.52	ALBS
382502.1	3733248.2	10.49787	3.72	3.72	0	24-HR	PHASE3	1ST	6121524		NA	Fenceline
382553	3733272	10.56797	0.96	2.92	0	24-HR	PHASE3	1ST	6091924		NA	Fenceline
382560.1	3733276.2	10.31647	0.42	0.42	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382579.7	3733242.7	14.12778	0.37	0.37	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382591.6	3733249.3	10.95252	0.05	0.05	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382588.7	3733254.4	10.62846	0	0	0	24-HR	PHASE3	1ST	6121624		NA	Overwater
382598.5	3733259.7	8.90963	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382602	3733255.4	9.51606	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382626.6	3733236.3	8.79309	0	0	0	24-HR	PHASE3	1ST	7011924		NA	Overwater
382642.4	3733211.6	8.6219	0	0	0	24-HR	PHASE3	1ST	6092724		NA	Overwater
382667.1	3733171.7	11.94353	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382679	3733121	9.82518	0	0	0	24-HR	PHASE3	1ST	7020124		NA	Overwater
382655.2	3733093.8	14.37731	0	0	0	24-HR	PHASE3	1ST	7013124		NA	Overwater
382620.1	3733080.7	15.17698	0	0	0	24-HR	PHASE3	1ST	6120524		NA	FENCEINT
382541.4	3733105.3	15.73729	3.16	3.16	0	24-HR	PHASE3	1ST	6120624		NA	FENCEINT
382534.5	3733148.5	31.57328	3.25	3.25	0	24-HR	PHASE3	1ST	7010424		NA	FENCEINT
382513.1	3733156	29.51779	3.26	3.26	0	24-HR	PHASE3	1ST	6110924		NA	FENCEINT
382488	3733212.8	23.87483	3.58	3.58	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382486.3	3733240.2	13.3477	3.91	3.91	0	24-HR	PHASE3	1ST	6121524		NA	FENCEINT
382527.6	3733260.1	9.88088	3.23	3.23	0	24-HR	PHASE3	1ST	7040524		NA	FENCEINT
382569.9	3733259.5	13.11877	0.35	2.92	0	24-HR	PHASE3	1ST	6121624		NA	Overwater

Appendix C2

Operation Emissions

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Al Larson Boat Shop (ALBS) Improvement Project										July 7, 2011
Operational Emissions										
Table 1 - Baseline Operational Emissions (100 boats/year serviced)										
	NOx (lb/day)	**VOC (lb/day)**	**PM10 (lb/day)**	**PM2.5 (lb/day)**	**SO2 (lb/day)**	**CO (lb/day)**	**Lead (lb/day)**	**Diesel PM (lb/day)**	**Other TACs (lb/day)**	**CO2eq (MT/yr)**
Total Project Operational Emissions:	**122.00**	**45.54**	**21.80**	**9.10**	**0.11**	**71.02**	**0.00**	**5.26**	**[c]**	**[d]**
New mobile boat hoist:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-
Air compressor diesel engine(s) usage:	17.41	1.42	1.22	1.22	0.01	3.75	0.00	1.22	[c]	-
Coating:	-	33.50	9.74	1.95	-	-	-	-	0.00	-
Abrasive blasting:	-	-	3.72	0.37	-	-	-	-	[c]	-
Welding:	-	-	1.22	1.22	-	-	-	-	[c]	-
Pressure washer:	0.02	0.00	0.00	0.00	0.00	0.01	-	0.00	[c]	-
On-site mobile equipment:	5.22	1.06	0.42	0.42	0.01	4.02	-	0.42	[c]	-
Off-site employee trips:	3.89	4.00	1.86	0.59	0.05	38.43	-	-	[c]	-
Boat transit:	95.45	5.56	3.61	3.32	0.04	24.82	-	3.61	[c]	-
Baseline emissions estimates based on Project Description and 3-Year Averages from 2008, 2009 and 2010 SCAQMD Annual Emissions Reports.										
Table 2 - Proposed Project Operational Emissions (304 boats/year serviced)										
	NOx (lb/day)	**VOC (lb/day)**	**PM10 (lb/day)**	**PM2.5 (lb/day)**	**SO2 (lb/day)**	**CO (lb/day)**	**Lead (lb/day)**	**Diesel PM (lb/day)**	**Other TACs (lb/day)**	**CO2eq (MT/yr)**
Total Project Operational Emissions:	**122.78**	**99.63**	**41.96**	**14.14**	**0.18**	**69.85**	**0.00**	**2.34**	**[c]**	**[d]**
New mobile boat hoist:	1.93	0.10	0.07	0.07	0.00	0.28	0.00	0.07	[c]	-
Air compressor diesel engine(s) usage:	40.72	3.32	2.86	2.86	0.01	8.77	0.00	0.00	[c]	-
Coating:	-	78.34	22.78	4.56	-	-	-	-	0.00	-
Abrasive blasting:	-	-	8.71	0.87	-	-	-	-	[c]	-
Welding:	-	-	2.85	2.85	-	-	-	-	[c]	-
Pressure washer:	0.05	0.00	0.01	0.01	0.00	0.01	-	0.01	[c]	-
On-site mobile equipment:	12.20	2.48	0.99	0.99	0.01	9.40	-	0.99	[c]	-
Off-site employee trips:	5.08	5.21	2.42	0.77	0.07	50.11	-	-	[c]	-
Boat transit:	62.79	10.18	1.27	1.17	0.08	1.27	-	1.27		

Al Larson Boat Shop (ALBS) Improvement Project										July 7, 2011
Operational Emissions										
Table 3 - Proposed Project Operational Emissions Minus CEQA Baseline Emissions										
	NOx (lb/day)	**VOC (lb/day)**	**PM10 (lb/day)**	**PM2.5 (lb/day)**	**SO2 (lb/day)**	**CO (lb/day)**	**Lead (lb/day)**	**Diesel PM (lb/day)**	**Other TACs (lb/day)**	**CO2eq (MT/yr)**
Total Project Operational Emissions:	**1**	**54**	**20**	**5**	**0**	**-1**	**0**	**-3**	**[c]**	**[d]**
New mobile boat hoist:	1.93	0.10	0.07	0.07	0.00	0.28	0.00	0.07	[c]	-
Air compressor diesel engine(s) usage:	23.31	1.90	1.64	1.64	0.01	5.02	0.00	-1.22	[c]	-
Coating:	-	44.84	13.04	2.61	-	-	-	-	0.00	-
Abrasive blasting:	-	-	4.98	0.50	-	-	-	-	[c]	-
Welding:	-	-	1.63	1.63	-	-	-	-	[c]	-
Pressure washer:	0.03	0.00	0.00	0.00	0.00	0.01	-	0.00	[c]	-
On-site mobile equipment:	6.98	1.42	0.57	0.57	0.01	5.38	-	0.57	[c]	-
Off-site employee trips:	1.18	1.22	0.56	0.18	0.02	11.69	-	-	[c]	-
Boat transit:	-32.66	4.62	-2.34	-2.15	0.04	-23.55	-	-2.34	[c]	-
Table 4 - Proposed Project Operational Emissions with Mitigation										
	NOx (lb/day)	**VOC (lb/day)**	**PM10 (lb/day)**	**PM2.5 (lb/day)**	**SO2 (lb/day)**	**CO (lb/day)**	**Lead (lb/day)**	**Diesel PM (lb/day)**	**Other TACs (lb/day)**	**CO2eq (MT/yr)**
Total Project Operational Emissions:	**19.27**	**86.13**	**37.82**	**10.11**	**0.09**	**59.81**	**0.00**	**1.06**	**[c]**	**[d]**
New mobile boat hoist:	1.93	0.10	0.07	0.07	0.00	0.28	0.00	0.07	[c]	-
Air compressor diesel engine(s) usage:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[c]	-
Coating:	-	78.34	22.78	4.56	-	-	-	-	0.00	-
Abrasive blasting:	-	-	8.71	0.87	-	-	-	-	[c]	-
Welding:	-	-	2.85	2.85	-	-	-	-	[c]	-
Pressure washer:	0.05	0.00	0.01	0.01	0.00	0.01	-	0.01	[c]	-
On-site mobile equipment:	12.20	2.48	0.99	0.99	0.01	9.40	-	0.99	[c]	-
Off-site employee trips:	5.08	5.21	2.42	0.77	0.07	50.11	-	-	[c]	-
Boat transit:	62.79	10.18	1.27	1.17	0.08	1.27	-	1.27	[c]	-
Mitigation = replacement of all diesel engine-powered compressor engines with electric motors.										

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011

Operational Emissions

Table 5 - Proposed Project Operational Emissions Increase with Mitigation

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)	Diesel PM (lb/day)	Other TACs (lb/day)	CO2eq (MT/yr)
Total Project Operational Emissions:	**-7.28**	**46.16**	**19.63**	**4.33**	**0.02**	**13.61**	**0.00**	**-0.59**	**[c]**	**[d]**
New mobile boat hoist:	1.93	0.10	0.07	0.07	0.00	0.28	0.00	0.07	[c]	-
Air compressor diesel engine(s) usage:	-17.41	-1.42	-1.22	-1.22	-0.01	-3.75	0.00	-1.22	[c]	-
Coating:	-	44.84	13.04	2.61	-	-	-	-	0.00	-
Abrasive blasting:	-	-	4.98	0.50	-	-	-	-	[c]	-
Welding:	-	-	1.63	1.63	-	-	-	-	[c]	-
Pressure washer:	0.03	0.00	0.00	0.00	0.00	0.01	-	0.00	[c]	-
On-site mobile equipment:	6.98	1.42	0.57	0.57	0.01	5.38	-	0.57	[c]	-
Off-site employee trips:	1.18	1.22	0.56	0.18	0.02	11.69	-	-	[c]	-
Boat transit:	-32.66	4.62	-2.34	-2.15	0.04	-23.55	-	-2.34	[c]	-
SCAQMD Air Quality Significance Threshold [a]:	55	55	150	55	150	550	3	[b]	[b]	10,000
Project Emissions Change Significant?	No	No	No	No	No	No	No	No [b]	No	No

NOx = nitrogen oxides, VOC = volatile organic compounds, PM10 = particulate matter with an aerodynamic diameter less than or equal to 10 microns,
PM2.5 = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns, SO2 = sulfur dioxide, CO = carbon monoxide,
Diesel PM = diesel particulate matter (a Toxic Air Contaminant), Other TACs = Toxic Air Contaminants (TAC) other than Diesel PM.
- = not applicable.

[a] SCAQMD, Air Quality Significance Thresholds, from http://www.aqmd.gov/ceqa/handbook/signthres.pdf (March 2011)
[b] Maximum incremental cancer risk >= 10 in 1 million, cancer burden > 0.5 excess cancer cases, chronic & acute hazard index >= 1.0 (project increment)
Based on SCAQMD Rule 1401 Risk Calculator (http://www.aqmd.gov/permit/r1401_risk_assessment.htm), risk is not significant.
[c] 'Other TACs' (TACs other than Diesel PM) have not been calculated because project risk is driven mainly by Diesel PM emissions.
[d] Project increase in GHG emissions (as CO2eq) are well below 10,000 metric tons per year (MT/yr).

Al Larson Boat Shop (ALBS) Improvement Project
Boat transit emissions

Source: 2009 EI
Use assist tug when possible, then use ocean tug data

43.3

	60%	25	nm	
	40%	40	nm (or 170nm for GHG)	Baseline no.: 1
Harbor:	?	3.5	nm	Future no.: 2
PZ:		8.6	nm	

E = Power x Act x LF x EF x FCF

				Harbor		PZ		20-PZ		40-20			100-20		
	MY (avg)	Hp (Main)	Hp (Aux)	Speed (kts)	Time (hrs)	Speed (kts)	Time (hrs)	Speed (kts)	Time (hrs)	Speed (kts)	Time (hrs)	**Total time (hr)**	Speed (kts)	Time (hrs)	**Total time (hr)**
Assist tug	2001	1,934	149	5	0.70	9	0.96	12	1.94	15	1.33	**4.93**	15	5.33	**8.93**
	Load Factor	0.31	0.43												

		Peak Day	**NOx**	**ROG**	**PM**	**PM2.5**	**SO2**	**CO**	**CO2**	**CH4**	**N2O**	**CO2e**
2009	lbs/day	main	89.68	5.10	3.39	3.12	0.04	22.73	3,044	0.10	0.14	*3,091*
		aux	5.77	0.46	0.22	0.20	0.00	2.08	325	0.01	0.02	*330*
		Subtotal	*95.45*	*5.56*	*3.61*	*3.32*	*0.04*	*24.82*	*3,370*	*0.11*	*0.16*	*3,422*
2014	lbs/day	main	57.50	9.05	1.15	1.05	0.07	49.20	6,089	0.17	0.27	*6,175*
		aux	5.29	1.13	0.13	0.12	0.01	5.20	651	0.02	0.03	*661*
		Subtotal	*63*	*10*	*1*	*1*	*0*	*54*	*6,739*	*0.20*	*0.30*	*6,836*
Net change:			(32.66)	4.62	(2.34)	(2.15)	0.04	29.57	3,369.65	0.09	0.14	3,414
									614.96	0.02	0.03	

Table 4.8: Fuel Correction Factors for ULSD

Equipment MY	**PM**	**NOx**	**SOx**	**CO**	**HC**	**CO2**	**N2O**	**CH4**
1995 and older	0.72	0.93	0.043	1	0.72	1	0.93	0.72
1996 and newer	0.8	0.95	0.043	1	0.72	1	0.95	0.72

According to the commercial harbor craft regulation, most stay within 100nm of shore.

Al Larson Boat Shop (ALBS) Improvement Project
Assist Tug Emission Factors

Table E1-202. Assist Tug Emission Factor Derivation

Assist Tugs	Main Engine (1934 HP)											Auxiliary Engine (149 HP)										
Study Year	MY	Hrs	CO	ROG	NOx	SOx[4]	PM	PM2.5	CO2	CH4	N2O	MY	Hrs	CO	ROG	NOx	SOx[4]	PM	PM2.5	CO2	CH4	N2O
ZH (1995 MY) EF [1]			2.99	0.84	12.98	NA	0.50	0.46	486	0.017	0.023			2.78	0.81	8.17	NA	0.32	0.29	486	0.016	0.023
ZH (2013 MY) EF [1]			3.73	0.68	4.37	NA	0.10	0.09	486	0.017	0.023			3.73	0.81	3.80	NA	0.09	0.08	486	0.016	0.023
ULSD FCF [2]			1.00	0.72	0.93	NA	0.72	0.72	1.00	1.00	1.00			1.00	0.72	0.95	NA	0.80	0.80	1.00	1.00	1.00
2011 FCF [3]			-	-	0.948	NA	0.852	0.852	-	-	-			-	-	0.948	NA	0.852	0.852	-	-	-
2008	1995	18,694	3.45	0.77	13.64	0.006	0.51	0.47	486	0.015	0.023	1998	16,050	2.97	0.65	8.23	0.006	0.30	0.28	486	0.013	0.023
2009	1995	20,132	3.49	0.78	13.76	0.006	0.52	0.48	486	0.016	0.023	1998	17,655	2.99	0.66	8.28	0.006	0.31	0.29	486	0.013	0.023
2012	1995	24,446	3.60	0.82	14.12	0.006	0.56	0.51	486	0.016	0.021	1998	22,470	3.05	0.68	8.42	0.006	0.32	0.30	486	0.014	0.022
Starcrest - Baseline	NA	NA	3.11	0.74	11.12	0.005	0.47	0.44	486	0.012	0.021	NA	NA	3.92	0.81	7.62	0.005	0.36	0.33	486	0.015	0.022
Calculated Growth 2008-2012	NA	NA	1.04	1.07	1.04	1.00	1.09	1.09	1.00	NA	NA	NA	NA	1.03	1.04	1.02	1.00	1.06	1.06	1.00	NA	NA
2012 [6]	NA	NA	3.24	0.78	11.52	0.006	0.52	0.48	486	0.016	0.021	NA	NA	4.02	0.85	7.79	0.006	0.39	0.35	486	0.017	0.022
2014	2013	1,438	3.77	0.69	4.41	0.006	0.09	0.08	486	0.014	0.021	2014	-	3.73	0.81	3.80	0.006	0.09	0.08	486	0.016	0.023
2015	2013	2,876	3.82	0.71	4.45	0.006	0.09	0.08	486	0.014	0.021	2014	1,605	3.76	0.82	3.62	0.006	0.08	0.07	486	0.016	0.022
2020	2013	10,066	4.04	0.78	4.66	0.006	0.10	0.10	486	0.016	0.021	2014	9,630	3.89	0.87	3.73	0.006	0.09	0.08	486	0.017	0.022
2025	2013	17,256	4.26	0.85	4.87	0.006	0.12	0.11	486	0.017	0.021	2014	17,655	4.02	0.92	3.84	0.006	0.09	0.09	486	0.018	0.022
2027	2013	20,132	4.35	0.88	4.95	0.006	0.12	0.11	486	0.018	0.021	2014	20,865	4.07	0.94	3.89	0.006	0.10	0.09	486	0.019	0.022

Note: Emission factors in g/hp-hr.
(1) Zero hour emission factor from CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Appendix B. Main engines are assumed to be replaced by 2013, auxiliary engines by 2014.
(2) Source: 2009 Port of LA Emissions Inventory, Table 4.8. Applied to emission factors pre-2011, except for CO2, CH4, and N2O to which it is assumed they do not apply.
(3) Source: CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Table II-4.
Applied to engine model years newer than 2011.
(4) SOx (gms/hp-hr) = (S content in X/1,000,000) x (2 SO2/g S) x BSFC (184 g/hp-hr).
The sulfur content is assumed to be 15ppm per 13 CCR 2281(a).
(5) The CH4 emission factor is 2% of the ROG factor. Source: 2009 POLA EI.
(6) The 2012 emission factors are determined by as follows: Calculate the emission factors for the baseline and 2012 using the 2009 POLA EI methodology. Determine the increase in the emission factor for each pollutant due to engine deterioration, and then multiply the emission factors for the baseline APL tug fleet by this increase to determine the APL fleet emission factor in 2012.

g/kWh	
CO2	N2O
652	0.031

Source: IVL, Methodology for Calculating Emissions from Ships: Update on Emission Factors."
Prepared by IVL Swedish Environmental Research Institute for the Swedish Environmental Protection Agency.

g/hp-hr	
CO2	N2O
486	0.023

Methodology:
EF = ZH + (DR x cumulative hours)
DR = (DF x ZH) / cumulative hours at the end of useful life

0.746 kW/hp
0.92 PM2.5/PM10
CARB CEIDARS Profile 425 - Diesel Engine Exhaust

Table 4.6: Engine Deterioration Factors for Harbor				
HP Range	CO	HC	NOx	PM
25-50	0.41	0.51	0.06	0.31
51-250	0.16	0.28	0.14	0.44
>251	0.25	0.44	0.21	0.67

Source: 2009 POLA EI

Table 4.7: Useful Life by Vessel Type and Engine Type,		
Vessel Type	Auxiliary Engines	Main Engines
Assist tug	23	21

Source: 2009 POLA EI

APPENDIX A COMMERCIAL HARBOR CRAFT EMISSION FACTOR TABLE											
	Model	Main Engine					Auxiliary Engine				
HP Range	Year	CO	ROG	Nox	PM	PM2.5[1]	CO	ROG	Nox	PM	PM2.5[1]
121-175 hp	pre-1971	3.21	1.32	16.52	0.73	0.67	4.53	1.57	14	0.65	0.60
	971-1978	3.21	1.1	15.34	0.63	0.58	4.53	1.31	13	0.55	0.51
	979-1983	3.21	1	14.16	0.52	0.48	4.53	1.19	12	0.46	0.42
	984-1986	3.14	0.94	12.98	0.52	0.48	4.43	1.12	11	0.46	0.42
	987-1995	3.07	0.88	12.98	0.52	0.48	4.33	1.05	11	0.46	0.42
	996-1999	1.97	0.68	9.64	0.36	0.33	2.78	0.81	8.17	0.32	0.29
	000-2003	1.97	0.68	7.31	0.36	0.33	2.78	0.81	7.31	0.32	0.29
	004-2012	3.73	0.68	5.1	0.22	0.20	3.73	0.81	5.1	0.22	0.20
	013-2020	3.73	0.68	3.8	0.09	0.08	3.73	0.81	3.8	0.09	0.08
1901-3300 hp	pre-1971	3.07	1.26	16.52	0.7	0.64	4.33	1.5	14	0.62	0.57
	971-1978	3.07	1.05	15.34	0.6	0.55	4.33	1.25	13	0.53	0.49
	979-1983	3.07	0.95	14.16	0.5	0.46	4.33	1.13	12	0.45	0.41
	984-1986	3.07	0.9	12.98	0.5	0.46	4.33	1.07	11	0.45	0.41
	987-1998	2.99	0.84	12.98	0.5	0.46	4.22	1	11	0.45	0.41
	1999	1.97	0.68	9.64	0.36	0.33	2.78	0.81	8.17	0.32	0.29
	000-2006	1.97	0.68	7.31	0.36	0.33	2.78	0.81	7.31	0.32	0.29
	007-2012	3.73	0.68	5.53	0.2	0.18	3.73	0.81	5.53	0.2	0.18
	013-2015	3.73	0.68	4.37	0.1	0.09	3.73	0.81	4.37	0.1	0.09
	016-2020	3.73	0.18	1.3	0.03	0.03	3.73	0.18	1.3	0.03	0.03

Note: Emission factors in g/hp-hr.
Source: CARB, Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Appendix B.
1PM2.5 emission factors are derived from the **PM emission factors using CARB CEIDARS Profile 425.**

Table 4.8: Fuel Correction Factors for ULSD									
MY	CO	HC	NOx	SOx	PM	PM2.5[1]	CO2	CH4	N2O
< 1995	1	0.72	0.93	0.043	0.72	0.72	1	0.72	0.93
1996+	1	0.72	0.95	0.043	0.8	0.8	1	0.72	0.95

Source: 2009 POLA EI
1. PM2.5 ULSD correction factor is assumed to be equivalent to the factor for PM.

Table 4.1: Propulsion Engine Data by Vessel Category											
Harbor	Vessel	Engine	Model year			Horsepower			Annual Operating Hrs		
Vessel Type	Count	Count	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Assist tug	18	36	1967	2008	1995	750	2,400	1,934	600	2,415	1,438
Source: 2009 POLA EI, Table 4.1											

Table 4.2: Auxiliary Engine Data by Vessel Category											
Harbor	Vessel	Engine	Model year			Horsepower			Annual Operating Hrs		
Vessel Type	Count	Count	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Assist tug	18	36	1967	2008	1998	115	425	149	172	3,025	1,605
Source: 2009 POLA EI, Table 4.2											

Table X: Route Distances, nm provided by Starcrest

Route	Avg Transit PZ-20, nm			Avg Transit 20-40, nm		
	Inbound	Outbound	Average	Inbound	Outbound	Average
North	21.9	21.7	21.8	21.4	20.8	21.1
East	25.8	25.8	25.8	-	-	-
South	11.1	12.6	11.8	20.2	19.9	20.1
West	19.0	19.0	19.0	21.1	21.1	21.1

Table II-4 Fuel Correction Factor				
Year	HP Range	MY	NOx	PM
1994-2006	<25	Pre-1995	0.93	0.75
	25-50	Pre-1999		
	51-100	Pre-1998		
	101-175	Pre-1997		
	176+	Pre-1996		
	<25	1995+	0.948	0.822
	25-50	1999-2010		
	51-100	1998-2010		
	101-175	1997-2010		
	176+	1996-2010		
2007+	<25	Pre-1995	0.93	0.72
	25-50	Pre-1999		
	51-100	Pre-1998		
	101-175	Pre-1997		
	176+	Pre-1996		
	<25	1995+	0.948	0.800
	25-50	1999-2010		
	51-100	1998-2010		
	101-175	1997-2010		
	176+	1996-2010		
	All	2011+	0.948	0.852

Source: CARB In-Use Harbor Craft Regulation

Al Larson Boat Shop (ALBS) Improvement Project
New TravelLift 600C Mobile Boat Hoist Emissions

July 7, 2011

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)	Diesel PM (lb/day)
Mobile hoist emissions (baseline):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile hoist emissions (increase):	1.93	0.10	0.068	0.068	0.0035	0.28	0.00014	0.068
Mobile hoist emissions (post-project):	1.93	0.10	0.068	0.07	0.0035	0.28	0.00014	0.068

Parameter	Value		Basis
Engine rating:	400	hp	@ 2,200 rpm. John Deere Diesel 6090HF - Tier 3 (Marine Travelift 600C Mobile Boat Hoist brochure)
Fuel usage rate:	135.39	lb/hr	Fuel usage @ peak hp (400 hp), Model HF6090, 2010 Model Year, Engine Family AJFXL09.0102 (CARB Executive Order U-R-004-0376, John Deere Power Systems)
Fuel density:	7	lb/gal	Diesel
Fuel S content:	15	ppmw	15 ppmw Ultra Low Sulfur Diesel required by SCAQMD Rule 431.2
Average engine load factor:	43%		SCAQMD 1993 CEQA Handbook, Table A9-8-D (Typical Load Factors for Mobile (Off-Road Equipment)), "Crane".
Hoist hours per ship:	1	hr/ship	Estimate
Max. ships per day:	2	ships/day	Estimate
Max. ships per year:	304	ship/yr	Project Description
Hoist operating days:	260	days/yr	Project Description
Fuel usage (Max ships/day)	16.63	gal/day	Fuel usage [gal/day] = (Fuel usage rate [lb/hr]) / (Fuel density [lb/gal]) * (Load factor [%]) * (Hours per ship [hr/ship]) * (Ships per day [ships/day])
Fuel usage (Max ships/yr)	2,528	gal/yr	Fuel usage [gal/yr] = (Fuel usage rate [lb/hr]) / (Fuel density [lb/gal]) * (Load factor [%]) * (Hours per ship [hr/ship]) * (Ships per year [ships/yr])
Emission factors:			
NMHC+NOx	3.6	g/kW-hr	Model HF6090, 2010 Model Year, Engine Family AJFXL09.0102 (CARB Executive Order U-R-004-0376, John Deere Power Systems)
	2.68	g/hp-hr	

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011

New TravelLift 600C Mobile Boat Hoist Emissions

NOx	2.55	g/hp-hr	NOx = 0.95 NMHC+NOx (CARB 2008 Carl Moyer Program Guidelines, Table B-26, Pollutant Fractions NOx+NMHC Standards, Diesel Engines)
VOC	0.13	g/hp-hr	CO = 0.05 NMHC+NOx (CARB 2008 Carl Moyer Program Guidelines, Table B-26, Pollutant Fractions NOx+NMHC Standards, Diesel Engines)
PM	0.12	g/kW-hr	Model HF6090, 2010 Model Year, Engine Family AJFXL09.0102 (CARB Executive Order U-R-004-0376, John Deere Power Systems)
	0.09	g/hp-hr	
CO	0.5	g/kW-hr	Model HF6090, 2010 Model Year, Engine Family AJFXL09.0102 (CARB Executive Order U-R-004-0376, John Deere Power Systems)
	0.37	g/hp-hr	
SO2	0.21	lb/10^3 gal	Mass balance (assumes all fuel S is converted to SO2)
Lead	0.0083	lb/10^3 gal	Ventura County APCD AB2588 Combustion Emission Factors (5/2001)

Emissions:

NOx	1.93	lb/day	Max. ships per day
VOC	0.10	lb/day	Max. ships per day
PM10	0.068	lb/day	Max. ships per day. Assume all PM is PM10/PM2.5
CO	0.28	lb/day	Max. ships per day
SO2	0.0035	lb/day	Max. ships per day
Lead	0.00014	lb/day	Max. ships per day

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011

Air Compressor Diesel Engine(s) Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)
Air compressor engine(s) (baseline):	17.41	1.42	1.22	1.22	0.01	3.75	0.0002
Air compressor engine(s) (increase):	23.31	1.90	1.64	1.64	0.01	5.02	0.0003
Air compressor engine(s) (post-project):	40.72	3.32	2.86	2.86	0.01	8.77	0.00

All diesel engine powered air compressors serving ship spray coating equipment (pressure pots) will be replaced with electric units.

Parameter	Value		Basis
Fuel usage baseline:	7,333	gal/yr	See 'Baseline->Project' sheet
Fuel usage increase:	9,815	gal/yr	See 'Baseline->Project' sheet
Fuel heat content:	140,000	Btu/gal	Typical for No. 2 diesel
Fuel density:	7	lb/gal	Typical for No. 2 diesel
Fuel S content:	15	ppmw	15 ppmw Ultra Low Sulfur Diesel required by SCAQMD Rule 431.2
Operation:	260	days/yr	Project Description
Emission factors:			
NOx	4.41	lb/MMBtu	EPA AP-42, Table 3.3-1 (Emission Factors for Uncontrolled Diesel Industrial Engines)
VOC	0.36	lb/MMBtu	EPA AP-42, Table 3.3-1 (Emission Factors for Uncontrolled Diesel Industrial Engines)
PM10	0.31	lb/MMBtu	EPA AP-42, Table 3.3-1 (Emission Factors for Uncontrolled Diesel Industrial Engines)
PM2.5	0.31	lb/MMBtu	EPA AP-42, Table 3.3-1 (Emission Factors for Uncontrolled Diesel Industrial Engines)
SO2	0.0015	lb/MMBtu	Mass balance (assumes all fuel S is converted to SO2)
CO	0.95	lb/MMBtu	EPA AP-42, Table 3.3-1 (Emission Factors for Uncontrolled Diesel Industrial Engines)
Lead	0.000059	lb/MMBtu	0.0083 lb/10^3 gallons per Ventura County APCD AB2588 Combustion Emission Factors (5/2001)

AP-42 Table 3.3-1 emission factors applicable to diesel engines up to 600 hp.

Emissions Increase (Daily Average):			
NOx	23.31	lb/day	Daily fuel usage = annual fuel usage / operating days
VOC	1.90	lb/day	Daily fuel usage = annual fuel usage / operating days
PM10	1.64	lb/day	Daily fuel usage = annual fuel usage / operating days
PM2.5	1.64	lb/day	Daily fuel usage = annual fuel usage / operating days
SO2	0.0079	lb/day	Daily fuel usage = annual fuel usage / operating days
CO	5.02	lb/day	Daily fuel usage = annual fuel usage / operating days
Lead	0.00031	lb/day	Daily fuel usage = annual fuel usage / operating days

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Coating Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)
Coating emissions (baseline):	-	33.50	9.74	1.95	-	-	-
Coating emissions (increase):	-	44.84	13.04	2.61	-	-	-
Coating emissions (post-project):	-	78.34	22.78	4.56	-	-	-

- = Not applicable

Coating emissions increase is based on 3-year average baseline emissions (2008-2010) and assumed to be proportional to number of ships serviced.

Coating Usage/VOCs:	Value		Basis
Cleaning/thinner VOC	1,614	lb/yr	Increase from 3-year baseline emissions (2008-2010)
Cleaning/thinner	448	gal/yr	Increase from 3-year baseline usage (2008-2010)
Avg VOC	3.6	lb/gal	2008-2010 AERs
Painting/epoxy VOC	5,602	lb/yr	Increase from 3-year baseline emissions (2008-2010)
Usage	2,001	gal/yr	Increase from 3-year baseline usage (2008-2010)
Avg VOC	2.8	lb/gal	2008-2010 AERs
Painting/antifouling VOC	4,367	lb/yr	Increase from 3-year baseline emissions (2008-2010)
Usage	1,560	gal/yr	Increase from 3-year baseline usage (2008-2010)
Avg VOC	2.8	lb/gal	2008-2010 AERs
Painting/enamel VOC	76	lb/yr	Increase from 3-year baseline emissions (2008-2010)
Usage	27	gal/yr	Increase from 3-year baseline usage (2008-2010)
Avg VOC	2.8	lb/gal	2008-2010 AERs
Total VOC increase:	11,659	lb/yr	Calc
Total Usage	4,036	gal/yr	Calc
Operating days per year:	260	days/yr	Project Description
Spray Coating PM emissions:			
Quantity of coatings applied:	3,588	gallons	Increase in coatings (excludes cleaner/thinner use)
Coatings spray painted:	90%		Remainder (10%) are hand applied.
Solids content:	3.0	lb/gal	Default solids content from SCAQMD's "Guidelines for Particulate Matter (PM) Emissions Calculations for Spray Coating Operations"
Transfer efficiency:	0.65		Default transfer efficiency of 65% per SCAQMD's Guidelines.
Control efficiency:	0.00		Estimate
Annual PM10 emissions:	3,390.7	lb/yr	=(Coating quantity applied [gal]) * (% spray coated) * (Solids content [lb/gal]) * (1 - Transfer Efficiency) * (1 - Control Efficiency)
Daily PM10 emissions:	13.0	lb/day	Annual PM10 emissions divided by Operating days per year.
PM2.5 fraction:	20%		Estimate
Daily PM2.5 emissions:	2.6	lb/day	Calc

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Abrasive Blasting Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)
Abrasive blasting emissions (baseline):	-	-	3.72	0.37	-	-	-
Abrasive blasting emissions (increase):	-	-	4.98	0.50	-	-	-
Abrasive blasting emissions (post-project):	-	-	8.71	0.87	-	-	-

- = Not applicable

Abrasive blasting emissions increase is based on 3-year average baseline emissions (2008-2010) and assumed to be proportional to number of ships serviced.

Parameter	Value		Basis
Abrasives baseline:	701	ton/yr	
Abrasive increase:	939	ton/yr	See 'Baseline->Project' sheet
PM10 emission factor:	1.38	lb/ton	1.38 lb/ton emission factor assumes boats are wrapped in plastic during sandblasting, which reduces emissions from uncontrolled 8.71 lb/ton emission factor (uncontrolled factor from Al Larson Boat Shop 2010 AER). For reference, AP-42 Section 13.2.6 (Abrasive Blasting) (9/97) specifies PM10 = 26 lb/ton (13 lb/1000 lb) for "sand blasting of mild steelpanels"; BAAQMD's permit handbook (http://hank.baaqmd.gov/pmt/ handbook/s11c01pd.htm) specifies PM10 = 8 lb/ton ("shot" abrasive) to 82 lb/ton ("sand" abrasive).
PM2.5 emission factor:	0.14	lb/ton	Per AP-42 Section 13.2.6 (Abrasive Blasting), PM2.5 is 10% of PM10.
Operating days per year:	260	days/yr	Project Description

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011
Welding Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)	Cr (lb/day)	Mn (lb/day)	Ni (lb/day)
Welding emissions (baseline):	-	-	1.22	1.22	-	-	-	0.00032	0.07189	0.00040
Welding emissions (increase):	-	-	1.63	1.63	-	-	-	0.00043	0.09623	0.00054
Welding emissions (post-project):	-	-	2.85	2.85	-	-	-	0.00075	0.16812	0.00094

- = Not applicable

Welding emissions increase assumed to be proportional to number of ships serviced.

Parameter	Value		Basis
Operating days per year:	260	days/yr	Project Description
Baseline ships/yr	130	ship/yr	Project Description
Additional ships/yr	174	ship/yr	Project Description (increase from 130 ships/yr to 304 ships/yr)
Average max. daily increase:	0.67	ships/day	Calc
Rounded max. daily increase:	1.00	ship/day	Calc
Electrode usage:	6	lb/hr/welder	Estimate
Max. welding hours/ship	3	hr/welder/ship	Estimate
Max. ships/day	3	ships/day	Estimate
Max. welders/ship	2	welders/ship	Estimate
Electrode usage (increase):	108	lb/day	Calc
Fume (PM10) emission factor:	15.1	lb/1000 lb	AP-42, Table 12.19 (Flux Core Arc Welding [FCAW], E70T electrode type)
PM10 emissions:	1.63	lb/day	Calc
PM2.5 emissions:	1.63	lb/day	Assume PM2.5=PM10 (conservative)
HAPs:			
Chromium (Cr)	0.04	lb/10,000 lb	AP-42, Table 12.19-2 (FCAW welding, E70T electrode type)
Manganese (Mn)	8.91	lb/10,000 lb	AP-42, Table 12.19-2 (FCAW welding, E70T electrode type)
Nickel (Ni)	0.05	lb/10,000 lb	AP-42, Table 12.19-2 (FCAW welding, E70T electrode type)
Total HAPs:	9.00	lb/10,000 lb	Calc

PM and HAP emissions estimates assume Flux Core Arc Welding (FCAW) process and E70T electrode type are used.
Per an EPA "Shipbuilding and Ship Repair NESHAP Residual Risk Analysis" presentation (January 25, 2005), flux core arc welding (FCAW) is the most common welding process used in shipbuilding and ship repair.
According to Table 2-3 of "Development of Emission Inventory for Metal Welding, Cutting and Spraying Operations" (May 31, 2000 Final Report, Submitted by Pacific Environmental Services to South Coast Air Quality Management District), electrode types used by FCAW for mild steel include E70T and E71T.

HAP = Hazardous Air Pollutant

Al Larson Boat Shop (ALBS) Improvement Project

July 7, 2011

Pressure Washer Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)
Pressure washer (baseline):	0.02	0.00	0.00	0.00	0.00	0.01	-
Pressure washer (increase):	0.03	0.00	0.00	0.00	0.00	0.01	-
Pressure washer (post-project):	0.05	0.00	0.01	0.01	0.00	0.01	-

Diesel-powered pressure washer.

Parameter	Value		Basis
Heat input rating:	315,000	Btu/hr	SCAQMD Permit to Operate F33552
Fuel heat content:	140,000	Btu/gal	Typical for No. 2 diesel
Fuel density:	7	lb/gal	Typical for No. 2 diesel
Fuel S content:	15	ppmw	15 ppmw Ultra Low Sulfur Diesel required by SCAQMD Rule 431.2
Load factor:	0.5		Estimate
Usage:	2	hr/ship	Estimate
Operating days:	260	day/yr	Project Description
Ships/yr (baseline):	130	ships/yr	Project Description
Ships/yr (increase):	174	ships/yr	Project Description
Fuel usage (increase):	392	gal/yr	See 'Baseline->Project' sheet
Emission factors:			
NOx	20	lb/10^3 gal	EPA AP-42, Table 1.3-1 (Criteria Pollutant Emission Factors for Fuel Oil Combustion)
VOC	0.34	lb/10^3 gal	EPA AP-42, Table 1.3-3 (Criteria Pollutant Emission Factors for Fuel Oil Combustion)
PM10	3.3	lb/10^3 gal	EPA AP-42, Tables 1.3-1 and 1.3-2 (filterable and condensable PM)
PM2.5	3.3	lb/10^3 gal	Conservative estimate.
SO2	0.21	lb/10^3 gal	Mass balance. Assumes 15 ppmw S and all S converted to SO2.
CO	5	lb/10^3 gal	EPA AP-42, Table 1.3-1 (Criteria Pollutant Emission Factors for Fuel Oil Combustion)
Emissions Increase (Daily Average):			
NOx	0.03	lb/day	Daily fuel usage = annual fuel usage / operating days
VOC	0.00	lb/day	Daily fuel usage = annual fuel usage / operating days
PM10	0.00	lb/day	Daily fuel usage = annual fuel usage / operating days
PM2.5	0.00	lb/day	Daily fuel usage = annual fuel usage / operating days
SO2	0.00	lb/day	Daily fuel usage = annual fuel usage / operating days
CO	0.01	lb/day	Daily fuel usage = annual fuel usage / operating days

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011

On-Site Mobile Equipment Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)	Diesel PM (lb/day)
Mobile equipment (baseline)	5.22	1.06	0.42	0.42	0.01	4.02	-	0.42
Mobile equipment (increase)	6.98	1.42	0.57	0.57	0.01	5.38	-	0.57
Mobile equipment (post-project)	12.20	2.48	0.99	0.99	0.01	9.40	-	0.99

Increase assumes activity increases by: 2.34 times from baseline (increase assumed proportional to number of ships serviced).

Equipment/Activity Descriptions

Equipment/Activity	*Hp Rating*	*Load Factor*	*Number Active*	*Equip-Hrs Day*	*Miles/ Day*	Equipment Type	Fuel usage (gal/day)
Forklifts	83	0.30	5	2.0	-	Off-Road	16.43
Crane (55-ton T-Rex 2002 RT Crane)	185	0.43	1	1.0	-	Off-Road	5.25
Crane (Linkbelt RTC-8018)	110	0.43	1	1.0	-	Off-Road	3.12
Crane (Linkbelt RTC-8025)	152	0.43	1	1.0	-	Off-Road	4.31
Forklift (telescopic, rough terrain)	140	0.475	1	1.0	-	Off-Road	4.39

Notes:

Horsepower ratings from 1993 SCAQMD CEQA Handbook (Tables A9-8-C and A9-8-D) or estimated manufacturer specs.

Load factors from 1993 SCAQMD CEQA Handbook (Tables A9-8-C and A9-8-D) used to estimate fuel usage.

Fuel usage estimate assumes 0.066 gallons per horsepower-hour (1993 SCAQMD CEQA Handbook, Table A9-8-C).

Emission Factors for Off-Road Equipment

	Emission Factors (include load factor)							
Equipment/Activity	*NOx*	*VOC*	*PM10*	*PM2.5*	*SO2*	*CO*	*Units*	*Reference*
Forklifts	1.2510	0.3334	0.1148	0.115	0.0016	1.1980	g/hp-hr	1
Crane (55-ton T-Rex 2002 RT Crane)	2.1145	0.2712	0.1171	0.117	0.0023	1.1619	g/hp-hr	1
Crane (Linkbelt RTC-8018)	2.2146	0.4609	0.2062	0.206	0.0023	1.5688	g/hp-hr	1
Crane (Linkbelt RTC-8025)	2.1693	0.3194	0.1566	0.157	0.0023	1.3066	g/hp-hr	1
Forklift (telescopic, rough terrain)	2.6015	0.3858	0.2022	0.202	0.0031	1.7348	g/hp-hr	1

1 - Composite emission factor based on CARB OFFROAD Emissions Model and South Coast Air Basin Fleet Average Emission Factors for 2012.

Composite emission factors include load factors. http://www.aqmd.gov/ceqa/handbook/offroad/offroad.html

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011
Off-Site Trips Emissions

	NOx (lb/day)	VOC (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	SO2 (lb/day)	CO (lb/day)	Lead (lb/day)
Employee commute (baseline):	3.88	3.98	1.85	0.59	0.05	38.27	-
Other trips (baseline):	0.02	0.02	0.01	0.00	0.00	0.15	-
Total (baseline):	3.89	4.00	1.86	0.59	0.05	38.43	-
Employee commute (increase):	1.16	1.19	0.55	0.18	0.02	11.48	-
Other trips (increase):	0.02	0.02	0.01	0.00	0.00	0.20	-
Total (increase):	1.18	1.22	0.56	0.18	0.02	11.69	-
Employee commute (post-project):	5.04	5.18	2.40	0.76	0.07	49.76	-
Other trips (post-project):	0.04	0.04	0.02	0.01	0.00	0.36	-
Total (post-project):	5.08	5.21	2.42	0.77	0.07	50.11	-

Parameter	Value		Basis
Commuting:			
Project employee baseline:	100	employees	Project Description
Project employee increase:	30	employees	Project Description
Daily mileage per employee:	50	mi/day	Roundtrip estimate
Miles/day increase:	1,500	miles/day	Calc
Other trips:			
Baseline vehicles:	5	vehicles	Estimate
Baseline mileage:	20	mi/day	Per vehicle. Estimate.
Miles/day increase:	27	miles/day	Calc (assumed to be proportional to increase in ships serviced)

Notes:
Emission Factors for On-Road Passenger Vehicles (<8500 pounds) Derived from Peak Emissions Inventory (Winter, Annual, Summer)
Emission factors were compiled by running the California Air Resources Board's EMFAC2007 (version 2.3) Burden Model, taking the weighted average of vehicle types

Highest (Most Conservative) EMFAC2007 (version 2.3) Emission Factors for On-Road Passenger Vehicles, Projects in the SCAQMD

Scenario Year: 2012
All model years in the range 1968 to 2012

Passenger Vehicles (lb/mile)	
CO	0.00765475
NOx	0.00077583
ROG	0.00079628
SOx	0.00001073
PM10	0.00008979
PM2.5	0.00005750
CO2	1.10152540
CH4	0.00007169

Emissions (pounds per day) = N x TL x EF, where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

Al Larson Boat Shop (ALBS) Improvement Project July 7, 2011

Off-Site Trips Emissions

All emission factors account for the emissions from start, running and idling exhaust. In addition, the ROG emission factors include diurnal, hot soak, running and resting emissions, and the PM10 & PM2.5 emission factors include tire and brake wear.

Source of emission factors: http://www.aqmd.gov/ceqa/handbook/onroad/onroad.html

Road dust

Entrained road dust from passenger vehicle travel on PAVED roads:

Description	PM10 (lb/mi)	PM2.5 (lb/mi)	References/Notes
Freeway:	0.00010	0.00000	AP-42 Section 13.2.1, CARB Section 7.9
Major/Collector Roads:	0.00020	0.00010	AP-42 Section 13.2.1, CARB Section 7.9
Local roads:	0.00120	0.00030	AP-42 Section 13.2.1, CARB Section 7.9
Composite:	0.00028	0.00006	Assumption (15% Local, 15% Collector, 70% Freeway)

Reference:

EPA AP-42 Section 13.2.1 (Paved Roads, 1/2011) and CARB Section 7.9 (Entrained Paved Road Dust, Paved Road Travel, July 1997)

PM10 Emissions (lb/VMT) = $k(sL)^{0.91}$ x $(W)^{1.02}$

Where:

k = particle size multiplier (PM10=0.0022, PM2.5=0.00054),

sL = road silt loading (grams per square meter) from CARB Methodology 7.9 for paved roads,

W = vehicle weight (tons)

For Los Angeles County, sL = 0.02 g/m2 for freeways, 0.037 g/m2 for major/collector roads, 0.24 g/m2 for local roads.

For commute vehicle, assume W = 2 tons.

Al Larson Boat Shop (ALBS) Improvement Project

July 7, 2011

Baseline Information

	Baseline				Project	Project	Project
	2010	2009	2008	3-Yr Avg	[1]	Increase	(w/mit)
Air compressor engine:							
Diesel usage (gal/yr)	7,170	7,510	7,320	7,333	17,149	9,815	0
Cleaning/thinner VOC (lb/yr)	1,407.6	1,054.8	1,155.6	1,206.0	2,820	1,614	1,614
Cleaning/thinner (gal/yr)	391	293	321	335	783	448	448
Avg VOC (lb/gal)	3.60	3.60	3.60	3.60	-	-	-
Painting/epoxy VOC (lb/yr)	4,340.0	4,295.2	3,920.0	4,185.1	9,787	5,602	5,602
Usage (gal/yr)	1,550.0	1,534.0	1,400.0	1,494.7	3,495	2,001	2,001
Avg VOC (lb/gal)	2.80	2.80	2.80	2.80	-	-	-
Painting/antifouling VOC (lb/yr)	3,295.6	3,213.0	3,278.8	3,262.5	7,629	4,367	4,367
Usage (gal/yr)	1,177.0	1,147.5	1,171.0	1,165.2	2,725	1,560	1,560
Avg VOC (lb/gal)	2.80	2.80	2.80	2.80	-	-	-
Painting/enamel VOC (lb/yr)	56	11.2	102.2	56.5	132	76	76
Usage (gal/yr)	20.0	4.0	36.5	20.2	47	27	27
Avg VOC (lb/gal)	2.80	2.80	2.80	2.80	-	-	-
Sandblasting (ton/yr) [2]	701.90	701.45	701	701.5	1,640	939	939
Welding (ton/yr)	ND	ND	ND	ND	ND	ND	ND

- = Not applicable
ND = no data available.

[1] Project Total assumes throughputs/emissions are proportional to number of ships serviced:

Parameter	Value		Basis
Baseline ships serviced:	130	ships/yr	Project Description
Project ships serviced:	304	ships/yr	Project Description
Increase in ships:	174	ships/yr	Calc
Project increase:	2.34	times	

All diesel engine powered compressors will be replaced with electric units.

[2] For 2009 sandblasting throughput, the 2009 AER did not list an annual throughput, so an average of 2010 and 2008 values was assumed.

2008-2010 AERs state coatings did not contain TAC/ODC (Toxic Air Contaminants/Ozone Depleting Compounds)

References:

2008, 2009, and 2010 Annual Emission Reports (AER) for Al Larson Boat Shop, Facility ID 21862.

Al Larson Boat Shop (ALBS) Improvement Project
Project Description - Key Parameters

July 7, 2011

Parameter	Inputs	Existing Operation	Proposed Operation / Assumptions
Vessels	Number of vessels	120 to 130 vessels/yr. Use 130 vessel/yr.	204 to 304 vessels/yr. Use 304 vessels/yr.
Employee trips	Employee count	70 to 100 employees. Use 100 employees.	90 to 130 employees. Use 130 employees.
Off-site trips	Number of vehicles	5 (estimate)	Assume proportional to number of vessels repaired.
Operating hours	-	15 hours/day (7:45am to 4:15pm, 3:30 pm to 11pm - assuming 30 minute lunches) 6 days/week (assumption)	260 days/year maximum
New mobile boat hoist	- Horsepower: 400 hp. - Fuel type: diesel. - Emissions: Tier 3 certified.	-	Hours of operation of boat hoist per vessel (hours/vessel)
Mobile and stationary fuel burning equipment	- Horsepower rating of each fixed and portable piece of equipment (cranes, etc) - Fuel type (propane, diesel, etc)	5 - 3 Ton Forklifts (diesel, 2 hr/day each) 55 Ton T-Rex 2002 RT Crane (diesel, 1 hr/day) 25 Ton 8018 XL Linkbelt RT Crane (diesel, 1 hr/day) 25 Ton 8025S Linkbelt RT Crane (diesel, 1 hr/day) 8 Ton Telescopic Fork Liftall (diesel, 1 hr/day) Diesel engine powered air compressor units fo ship	Assume proportional to number of vessels repaired. Diesel engine powered air compressors will be replaced with electric units.
Boiler/hot water heater	Natural gas usage (MMBtu/yr or therms/year)	2008-2010 AERs	Assume proportional to number of vessels repaired.
Coating operations	- Quantity of marine coatings used (volume per ship average or volume per year total) and VOC and HAP content of each coating type; or - 2008/2009/2010 AER coating VOC/HAP emissions	2008-2010 AERs	Assume proportional to number of vessels repaired.

Al Larson Boat Shop (ALBS) Improvement Project
Project Description - Key Parameters

July 7, 2011

Parameter	Inputs	Existing Operation	Proposed Operation / Assumptions
Cleanup and preparation solvent	Type and quantity of cleanup and surface preparation solvent used (gal/yr)	2008-2010 AERs	Assume proportional to number of vessels repaired.
Welding	Quantity of welding electrode used (lb/yr or kg/yr) by electrode type (E308, E6010, ECoCr, etc) by welding process (shielded metal arc welding, gas metal arc welding, flux cored arc welding, submerged arc welding)	Assume FCAW (Flux Core Arc Welding), E70T electrode type	Assume proportional to number of vessels repaired.
Abrasive blasting	- Quantity of abrasive used per ship (lb/ship); or total quantity of abrasive used per year (lb/yr) and total number of ship repaired (ships/yr). - Blasting occurs indoors or outdoors? Control devices?	2008-2010 AERs	Assume proportional to number of vessels repaired.
Site energy usage	- kW-hr/yr electricity usage, - MMBtu/yr or therms/yr natural gas usage	Utility records	Assume proportional to number of vessels repaired.
Baseline period	-	2008-2010 (3-year average)	-

Al Larson Boat Shop
July 11, 2011 AERMOD Unmitigated Results

Pollutant	Averaging Time	Threshold Type	Modeled Concentration ($\mu g/m^3$)	Background Concentration (ug/m3)	Total Concentration ($\mu g/m^3$)	UTM East	UTM North	SCAQMD Significance Threshold (ug/m3)
NO_2	Fed- 1hr	Absolute	64.5	147	211.5	382527.0	3733163.3	188
NO_2	St 1-hr	Absolute	72.4	249	321.4	382542.0	3733133.8	338
NO_2	St- Ann	Absolute	9.7	42.1	51.8	382527.0	3733163.3	58.3
PM_{10}	St- Ann	Incremental	30.8	N/A	30.8	382542.0	3733133.8	1
PM_{10}	SCAQMD- 24	Incremental	110.8	N/A	110.8	382541.4	3733105.3	2.5
$PM_{2.5}$	St- Ann	Incremental	7.3	N/A	7.3	382542.0	3733133.8	1
$PM_{2.5}$	SCAQMD- 24	Incremental	25.7	N/A	25.7	382541.4	3733105.3	2.5

Al Larson Boat Shop
July 13, 2011 AERMOD Mitigated Results

Pollutant	Averaging Time	Threshold Type	Modeled Concentration ($\mu g/m^3$)	Background Concentration (ug/m3)	Total Concentration ($\mu g/m^3$)	UTM East	UTM North	SCAQMD Significance Threshold (ug/m3)
PM_{10}	St- Ann	Incremental	30.4	N/A	30.4	382542.0	3733133.8	1
PM_{10}	SCAQMD- 24	Incremental	109.4	N/A	109.4	382541.4	3733105.3	2.5
$PM_{2.5}$	St- Ann	Incremental	7.1	N/A	7.1	382542.0	3733133.8	1
$PM_{2.5}$	SCAQMD- 24	Incremental	25.2	N/A	25.2	382541.4	3733105.3	2.5

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Appendix C3

Health Risk Analysis

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Heath Risk Assessment for the Al Larson Boat Shop Improvement Project

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1.1 Introduction

A health risk assessment (HRA) was conducted to address potential public health effects from toxic air contaminant (TAC) emissions generated by the improvement of the Al Larson Boat Shop (ALBS) at the Port of Los Angeles (Port). This document describes the methods and results of the HRA.

The HRA evaluated incremental health risks from the proposed Project in comparison to the baseline. The baseline emissions are represented by the boat repair activity at ALBS between September 1, 2009 and August 31, 2010. In the baseline year, the site was used for ship repair and includes the following facilities: office and workshop complex, paint shed, wood shop, welding and machine shops, docks, piers, walls and marine railways, marine, and other ancillary buildings and structures.

The existing ALBS has the capacity to accommodate five vessels with four marine railways, one floating dry dock, and dock space for dockside repairs. Wood, welding, and machine shops, storage areas, and crew quarters support the shipyard. Existing equipment includes portable and fixed cranes, portable forklifts, welders and sand blasting equipment. The facility services on average 120 to 140 ships/vessels per year and has between 70 and 100 employees on-site daily.

The proposed Project involves improving site drainage, increasing available land, modernizing existing boat yard facilities, restoring the navigable capacity of the facility, cleaning up existing contamination, and managing on-site disposal and beneficial reuse of dredged materials.

The HRA was prepared in accordance with the *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA, 2003), *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB2588)* (SCAQMD, 2005), and *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions* (SCAQMD, 2003). The *Hotspots Analysis and Reporting Program* (HARP) model Version 1.4c (CARB, 2010a) used in the HRA incorporates the methods in these guidance documents.

The HRA was developed using a five-step process to estimate incremental health impact results:

- Quantify project-generated and baseline emissions;
- Identify ground-level receptor locations that may be affected by emissions, including a regular receptor grid as well as specific sensitive receptor locations nearby such as schools, hospitals, convalescent homes, or daycare centers;
- Perform dispersion modeling analyses to estimate ambient TAC concentrations at each receptor location;
- Characterize the potential health risk at each receptor location; and
- Evaluate incremental health risk values to compare potential health risk posed by the proposed Project relative to the baseline.

1.2 Emission Sources

Emission sources included both construction and operational emission sources. Construction emissions were assumed to occur during the calendar years 2011 through 2013. Operational emissions are analyzed after project completion in 2014.

1.2.1 Construction Emission Sources

Construction emissions included in the analysis of acute risk represent the maximum daily construction emissions in any calendar quarter. Emissions included in the chronic risk analysis were developed using the peak year of construction activity, and emissions included in the 40-year and 70-year cancer risk calculations were based on the emissions from the entire construction period.

Based on the construction schedule, maximum daily, annual, and total construction emissions were calculated by individual activity. Daily emissions for overlapping activities were summed for each calendar quarter. Maximum daily construction emissions are expected to occur in 2012, and include the following simultaneous activities.

- Demolish finger piers;
- Dredge to elevation -22;
- Soil export and asphalt removals;
- Service vehicles and deliveries; and,
- Demolish structure H2.

Consistent with SCAQMD policy, only on-site construction emissions were included in the HRA. On-site emission sources for construction included the following:

- **Construction equipment and on-site vehicle activity**, including loaders, dozers, pavers, trenchers, derrick barge crane hoists, flat barges, tugboats, air compressors, cement trucks, graders, haul trucks and on-road vehicles.

1.2.2 Operational Emission Sources

Consistent with SCAQMD policy, the HRA assessed both on-site and off-site operational emission sources. The following operational emission sources were included in the health risk assessment:

- New mobile boat hoist
- Air compressor
- Painting operations
- Abrasive blasting
- Welding
- Pressure washing

- On-site offroad mobile equipment
- Harbor craft transit to ALBS
- Employee trips

1.2.3 HRA Modeling Domain

Emissions were calculated approximately one mile off-site for truck sources.

1.2.4 Activity Level Trends

The baseline and proposed Project activity are described in Table 1 below.

Table 1. Project Activity

Parameter	Inputs	Existing Operation	Proposed Operation / Assumptions
Vessels	Number of vessels	120 to 130 vessels/yr.	204 to 304 vessels/yr.
Employee trips	Employee count	70 to 100 employees.	90 to 130 employees.
Off-site trips	Number of vehicles	5 (estimate)	Assume proportional to number of vessels repaired.
Operating hours	-	15 hours/day (7:45am to 4:15pm, 3:30 pm to 11pm - assuming 30 minute lunches) 6 days/week (assumption)	260 days/year maximum
New boat hoist (largest; 600-ton)	- Horsepower: 400 hp. - Fuel type: diesel. - Emissions: Tier 3 certified.	-	Hours of operation of boat hoist per vessel (hours/vessel)
Mobile and stationary fuel burning equipment	- Horsepower rating of each fixed and portable piece of equipment (cranes, etc) - Fuel type (propane, diesel, etc)	5 - 3 Ton Forklifts (diesel, 2 hr/day each) 55 Ton T-Rex 2002 RT Crane (diesel, 1 hr/day) 25 Ton 8018 XL Linkbelt RT Crane (diesel, 1 hr/day) 25 Ton 8025S Linkbelt RT Crane (diesel, 1 hr/day) 8 Ton Telescopic Fork Liftall (diesel, 1 hr/day) Diesel engine powered air compressor units for ship spray coating pots.	Assume proportional to number of vessels repaired. Diesel engine powered air compressors will be replaced with electric units.

Table 1. Project Activity

Parameter	Inputs	Existing Operation	Proposed Operation / Assumptions
Boiler/hot water heater	Natural gas usage (MMBtu/yr or therms/year)	2008-2010 AERs	Assume proportional to number of vessels repaired.
Coating operations	- Quantity of marine coatings used (volume per ship average or volume per year total) and VOC and HAP content of each coating type; or - 2008/2009/2010 AER coating VOC/HAP emissions.	2008-2010 AERs	Assume proportional to number of vessels repaired.
Cleanup and preparation solvent	Type and quantity of cleanup and surface preparation solvent used (gal/yr)	2008-2010 AERs	Assume proportional to number of vessels repaired.
Welding	Quantity of welding electrode used (lb/yr or kg/yr) by electrode type (E308, E6010, ECoCr, etc) by welding process (shielded metal arc welding, gas metal arc welding, flux cored arc welding, submerged arc welding)	Assume FCAW (Flux Core Arc Welding), E70T electrode type	Assume proportional to number of vessels repaired.
Abrasive blasting	-Quantity of abrasive used per ship (lb/ship); or total quantity of abrasive used per year (lb/yr) and total number of ship repaired (ships/yr). - Blasting occurs indoors or outdoors? Control devices?	2008-2010 AERs	Assume proportional to number of vessels repaired.
Site energy usage	- kW-hr/yr electricity usage, - MMBtu/yr or therms/yr natural gas usage	Utility records	Assume proportional to number of vessels repaired.

1.2.5 TAC Emission Calculation Approach

The following averaging periods were used to determine TAC emission rates for use in the HRA:

- Cancer risk for residential, student, recreational and sensitive receptors was based on 70-year average emission rates;
- Cancer risk for occupational receptors was based on 40-year average emission rates;
- Chronic hazard index for all receptors was conservatively based on the maximum annual emission rate, as the chronic exposure period for noncancer effects is assumed to be up to 8 years; and,

- Acute hazard index for all receptors was based on the maximum 1-hour emission rate.

The proposed Project TAC emission rates used for analyzing acute and chronic hazard indices were calculated by first determining the peak hourly and annual emissions, respectively, for each emissions source. To ensure that the highest acute and chronic health hazard indices are captured, the maximum emissions from each source group over the entire Project period were combined to create a conservative composite worst-case peak hour and peak year emissions inventory.

Operational emissions of TACs, specifically diesel particulate matter (DPM), were less than the baseline and, therefore, not anticipated to contribute to significant health risk impacts. TAC emissions were compared to SCAQMD Rule 1401 risk levels and were determined not to require further analysis. Therefore the in-depth calculation of health risk focused on construction emissions only. The cancer risk for residential, student, recreational, and sensitive receptors was calculated using the emissions from the entire construction period. The baseline for construction is zero.

1.2.6 TAC Emission Rates

Attachment A contains the annual and hourly toxic emission rates for the proposed Project before and after mitigation.

1.3 Receptor Locations

Receptor and source base elevations were determined from USGS National Elevation Dataset (NED) data calculated using AERMAP, version 06341. All coordinates were referenced to UTM North American Datum 1927 (NAD27) Zone 11.

To identify the extent and location of maximum impacts, a coarse Cartesian receptor grid was placed surrounding the project area, with receptors spaced 500 meters apart out to a distance of 5 kilometers. Receptors were also placed around the property line at 100-meter intervals. On-site receptors, property line receptors bordering water, and overwater grid receptors were excluded from the analysis.

To refine the locations of maximum impacts, fine receptor grids were placed based on contours generated by maximum incremental impacts, with receptors spaced 50 meters apart out to a distance approximately 500 meters past the maximum impact location.

Maximally exposed individual (MEI) locations were selected from the modeled receptor grids for the following five receptor types: residential, occupational, sensitive, student and recreational. The MEI locations were selected as follows:

- Residential – The residential MEI was selected from all receptors in residential or zoned-residential areas, including public marinas located in Fish Harbor and the West Channel;
- Occupational – The occupational MEI was selected from all receptors outside the ALBS site area.
- Sensitive – The sensitive MEI was selected from all schools, hospitals, convalescent homes, and day care centers identified in the project vicinity.

- Recreational – The recreational MEI was selected from all on-land park and recreational facilities identified in the project vicinity.

1.4 Air Dispersion Model Selection and Inputs

Air dispersion modeling for the HRA was performed using the U.S. EPA Gaussian Plume Air Dispersion Model AERMOD version 09292. Dispersion data were then processed through HARP On-Ramp version 1 (CARB, 2010). Data were then incorporated into the HARP version 1.4d model to calculate health risk values.

1.4.1 Emission Source Representation

Construction emission sources were modeled according to the parameters in Table 2. The area source encompassed the entire construction area and emissions were assumed to be uniformly distributed throughout the construction area.

Table 2. Source Release Parameters – Construction Emissions

AERMOD Source Type	Source Description	No. of Sources Represented	Release Height (m)	Source Width (m)	Initial Vertical Thickness[a] (m)
Elevated Area	Combustion Emissions from Construction Equipment and Vehicle Activity	1	5	Varies[b]	5

Notes:
[a]Release height of the volume source was assumed to be 5 meters above the base elevation of 15 feet. The initial vertical dimension of the plume (σ_z) was estimated by dividing the initial vertical thickness by 4.3 for elevated releases (construction equipment and ship turning/docking).
[b]Area source width varies from approximately 875-2,000 meters.

1.4.2 Meteorological Data

The surface conditions file and vertical profile data sets were generated from on-site data collected at Terminal Island Water Reclamation Plant and processed by ENVIRON between September 2006 and August 2007.

1.4.3 Model Options

Regulatory default technical options were used in AERMOD to model dispersion, in accordance with the U.S. EPA modeling guidance (USEPA, 2009).

1.4.4 Temporal Assumptions

Construction emissions were assumed to occur between 7:00 a.m. and 3:30 p.m. Emissions were assumed to be uniformly distributed during these time periods.

1.5 Calculation of Health Risks

The HARP model was used to calculate 70-year cancer risk, 40-year cancer risk as well as non-cancer chronic and acute risk from dispersion values calculated by AERMOD.

1.5.1 Toxicity Factors

Toxicity factors for each TAC are built into the HARP model to calculate cancer risk and hazard index values. These values are provided in Table 3.

Table 3. Toxicity Factors

Pollutant	CAS Number	Inhalation Cancer Potency Factor $(mg/kg\text{-}d)^{-1}$	Chronic Inhalation REL ($\mu g/m^3$)	Target Organ for Chronic Exposure[d]	Acute Inhalation REL ($\mu g/m^3$)	Target Organ for Acute Exposure[d]
DPM[a]	9901	1.10E+00	5.00E+00	I	--	--
Arsenic[b,c]	7440382	1.20E+01	1.50E-02	B,C,G,I,J	2.00E-01	B,C,G
Bromine	7726956	--	--	--	--	--
Cadmium[c]	7440439	1.50E+01	2.00E-02	M,I	--	--
Chlorine	7782505	--	2.00E-01	I	2.10E+02	D,I
Chromium VI[c]	18540299	5.10E+02	2.00E-01	I	--	--
Copper	7440508	--	--	--	1.00E+02	I
Lead[b]	7439921	4.20E-02	--	--	--	--
Manganese	7439965	--	9.00E-02	G	--	--
Mercury[c]	7439976	--	3.00E-02	C,M,G	6.00E-01	C,G
Nickel[c]	7440020	9.10E-01	5.00E-02	E,I	6.00E+00	F,I
Selenium	7782492	--	2.00E+01	A,B,G	--	--
Sulfates	9960	--	--	--	1.20E+02	I
Vanadium	7440622	--	--	--	3.00E+01	D,I
1,3-Butadiene	106990	6.00E-01	2.00E+01	H	--	--
Acetaldehyde	75070	1.00E-02	1.40E+02	I	4.70E+02	D,I
Benzene	71432	1.00E-01	6.00E+01	C,E,G	1.30E+03	C,E,F,H
Chlorobenzene	108907	--	1.00E+03	A,M,H	--	--
Ethyl Benzene	100414	8.70E-03	2.00E+03	A,C,L,M	--	--
Formaldehyde	50000	2.10E-02	9.00E+00	I	5.50E+01	D
Xylenes	1330207	--	7.00E+02	G,I	2.20E+04	D,I
Methanol	67561	--	4.00E+03	C	2.80E+04	G
MEK	78933	--	--	--	1.30E+04	D,I
m-Xylene	108383	--	7.00E+02	G,I	2.20E+04	D,I
Naphthalene	91203	1.20E-01	9.00E+00	I	--	--
Hexane	110543	--	7.00E+03	G	--	--
o-Xylene	95476	--	7.00E+02	G,I	2.20E+04	D,I

Propylene	115071	--	3.00E+03	I	--	--
p-Xylene	106423	--	7.00E+02	G,I	2.20E+04	D,I
Styrene	100425	--	9.00E+02	G	2.10E+04	D,I
Toluene	108883	--	3.00E+02	C,G,I	3.70E+04	C,D,G,H,I
Acrolein	107028	--	3.50E-01	I	2.50E+00	D,I

[a]DPM = Diesel Particulate Matter. For ICEs only, DPM is considered to be a surrogate for speciated compounds from diesel exhaust, and is assumed to account for combined health effects of diesel exhaust constituents.
[b]Arsenic and lead were also evaluated for cancer risk from oral exposure. The cancer potency factors for arsenic and lead are 1.50E+00 and 8.50E-03, respectively.
[c]Arsenic, cadmium, hexavalent chromium, mercury and selenium were also evaluated for non-cancer chronic effects from oral exposure. The chronic RELs are 3.5E-06, 5.00E-04, 2.00E-02, 1.60E-04 and 5.00E-02 respectively.
[d]Below is the key to non-cancer acute and chronic target organ systems (OEHHA, 2009):

A. Alimentary Tract
B. Cardiovascular System
C. Developmental System
D. Eye
E. Hematologic System
F. Immune System
G. Nervous System
H. Reproductive System
I. Respiratory System
J. Skin
K. Bone
L. Endocrine System
M. Kidney

Cancer risk values are calculated from cancer potency factors, which are TAC-specific factors that assess the probability that an individual will develop cancer by continuously inhaling or ingesting 1 mg/kg-day over a period of 70 years.

Reference exposure levels (RELs) define the level of continuous exposure to a TAC below which the population is likely to avoid developing adverse non-cancer chronic or acute health effects.

1.5.2 Exposure Scenarios

Cancer risk calculations depend directly on the frequency and duration of exposure to TACs. Risk values were calculated based on exposure assumptions in accordance with the OEHHA HRA Guidance Manual (OEHHA, 2003) and *CARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk* (OEHHA, 2003).

Occupational cancer risk values were adjusted by applying factors to the annual average TAC concentrations. These factors adjust for the fraction of the facility's operating schedule that coincides with a hypothetical worker's schedule. Ground-level concentration (GLC) adjustment factors were obtained from the *SCAQMD Permit Application Package "L" for Use in Conjunction with the Risk Assessment Procedures for Rules 1401 and 212*, version 7.0 (SCAQMD, 2010) and varied depending on the operating schedule emission source.

Since HARP does not directly calculate student and recreational cancer risk values, these values were scaled using the risk results for occupational or residential receptors by adjusting the exposure assumptions (exposure frequency, exposure duration, and breathing rate). Scaling for student receptors was based on occupational receptors because student and occupational receptors share common non-inhalation exposure

pathways of dermal absorption and soil ingestion. By contrast, residential and sensitive receptors include these same pathways plus home-grown produce ingestion and mother's milk ingestion. Recreational receptors were scaled to the residential cancer risk impact, due to the similarities in exposure duration.

Exposure assumptions used to calculate cancer risk values are provided in Table 4.

Table 4. Exposure Assumptions for Individual Lifetime Cancer Risk

Receptor Type	Exposure Frequency		Exposure Duration (years)	Breathing Rate (L/kg-day)	HARP Point Estimate Analysis Option[e]
	Hours/Day	Days/Year			
Residential[a]	24	350	70	302	Derived (Adjusted)
Occupational[b]	8	245	40	447	Derived (OEHHA)
Sensitive	24	350	70	302	n/a
Student[c]	6	180	6	581	n/a
Recreational[d]	2	350	70	1,097	n/a

Notes:

[a]The residential breathing rate of 302 L/kg-day represents the 80th percentile breathing rate, in accordance with the *CARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk*
[b]The occupational exposure frequency of 245 days/year represents 5 days/week, 49 weeks/year. The occupational breathing rate of 447 L/kg-day is equal to 149 L/kg-day per 8 hour workday (OEHHA, 2003).
[c]The student breathing rate of 583 L/kg-day represents the high-end breathing rate for children (OEHHA, 2003).
[d]The recreational breathing rate of 1,097 L/kg-day represents a breathing rate for "heavy activity." It is derived from a breathing rate of 3.2 m^3/hr for a 70-kg adult, as reported from the USEPA Exposure Factors Handbook (USEPA, 1997).
[e]HARP does not directly calculate risks for student or recreational exposure assumptions, rather these values are scaled from the results for workers. Exposure pathways for sensitive receptors are assumed equal to residential receptors.

1.6 Predicted Incremental Health Impacts

Tables 5 and 6 show the maximum health impacts expected to occur from the increment (Unmitigated and Mitigated Project minus the baseline). Figures 1 and 2 show the maximum concentration locations associated with the unmitigated and mitigated proposed Project, respectively.

Based on significance thresholds adopted by the Los Angeles Harbor Department, the additional cancer risk above the baseline that is expected to result from the proposed Project is deemed to be less than significant if it is below 10 cases per one million persons. For non-cancer chronic and acute hazard indices, maximum predicted annual and maximum 1-hour TAC concentrations are compared to the RELs developed by OEHHA. The incremental hazard index calculated by the quotient of increased TAC concentration above baseline and the REL is said to be significant if it exceeds 1.0. Figures 3 and 4 show the isopleths of residential lifetime cancer risk and occupational cancer risk, respectively, for the unmitigated proposed Project minus the baseline. Figures 5 and 6 show the isopleths of residential lifetime cancer risk and occupational cancer risk, respectively, for the mitigated proposed Project minus the baseline.

Table 5. Maximum Health Impacts Associated With The Proposed Project Without Mitigation, 2011 - 2080

Health Impact	Receptor Type	Maximum Predicted Impact[a,b] Increment[c]	Significance Threshold
Cancer Risk	Residential[d]	**29 x 10^{-6} (29 in a million)**	10×10^{-6} 10 in a million
	Occupational	9 x 10^{-6} (9 in a million)	
	Sensitive	5 x 10^{-7} (0.5 in a million)	
	Student	3 x 10^{-9} (0.003 in a million)	
	Recreational	3 x 10^{-7} (0.3 in a million)	
Chronic Hazard Index	Residential	0.03	1.0
	Occupational	0.03	
	Sensitive	0.0004	
	Student	0.00001	
	Recreational	0.0002	
Acute Hazard Index	Residential	**3.5**	1.0
	Occupational	**4.2**	
	Sensitive	0.4	
	Student	0.03	
	Recreational	0.2	

[a] Exceedances of the significance criteria are in **bold**. The significance thresholds apply to the increments only.
[b] Data represent the receptor locations with the maximum impacts or increments. The impacts or increments at all other receptors would be less than these values.
[c] The increment represents proposed Project minus baseline.

[d] The cancer risk values reported in this table for the residential receptor are based on the 80th percentile breathing rate.

Table 6. Maximum Health Impacts Associated With The Proposed Project With Mitigation, 2011 – 2080

Health Impact	Receptor Type	Maximum Predicted Impact[a,b] Increment[c]	Significance Threshold
Cancer Risk	Residential[d]	**2×10^{-5} (22 in a million)**	10×10^{-6} 10 in a million
	Occupational	7×10^{-6} (7 in a million)	
	Sensitive	4×10^{-7} (0.4 in a million)	
	Student	3×10^{-9} (0.003 in a million)	
	Recreational	2×10^{-7} (0.2 in a million)	
Chronic	Residential	0.008	1.0
	Occupational	0.02	
	Sensitive	0.0002	
	Student	0.00001	
	Recreational	0.0001	
Acute Hazard Index	Residential	**1.0**	1.0
	Occupational	**2.0**	
	Sensitive	0.2	
	Student	0.01	
	Recreational	0.1	

[a] Exceedances of the significance criteria are in **bold**. The significance thresholds apply to the increments only.

[b] Data represent the receptor locations with the maximum impacts or increments. The impacts or increments at all other receptors would be less than these values.

[c] The increment represents proposed Project minus baseline.

[d] The cancer risk values reported in this table for the residential receptor are based on the 80th percentile breathing rate.

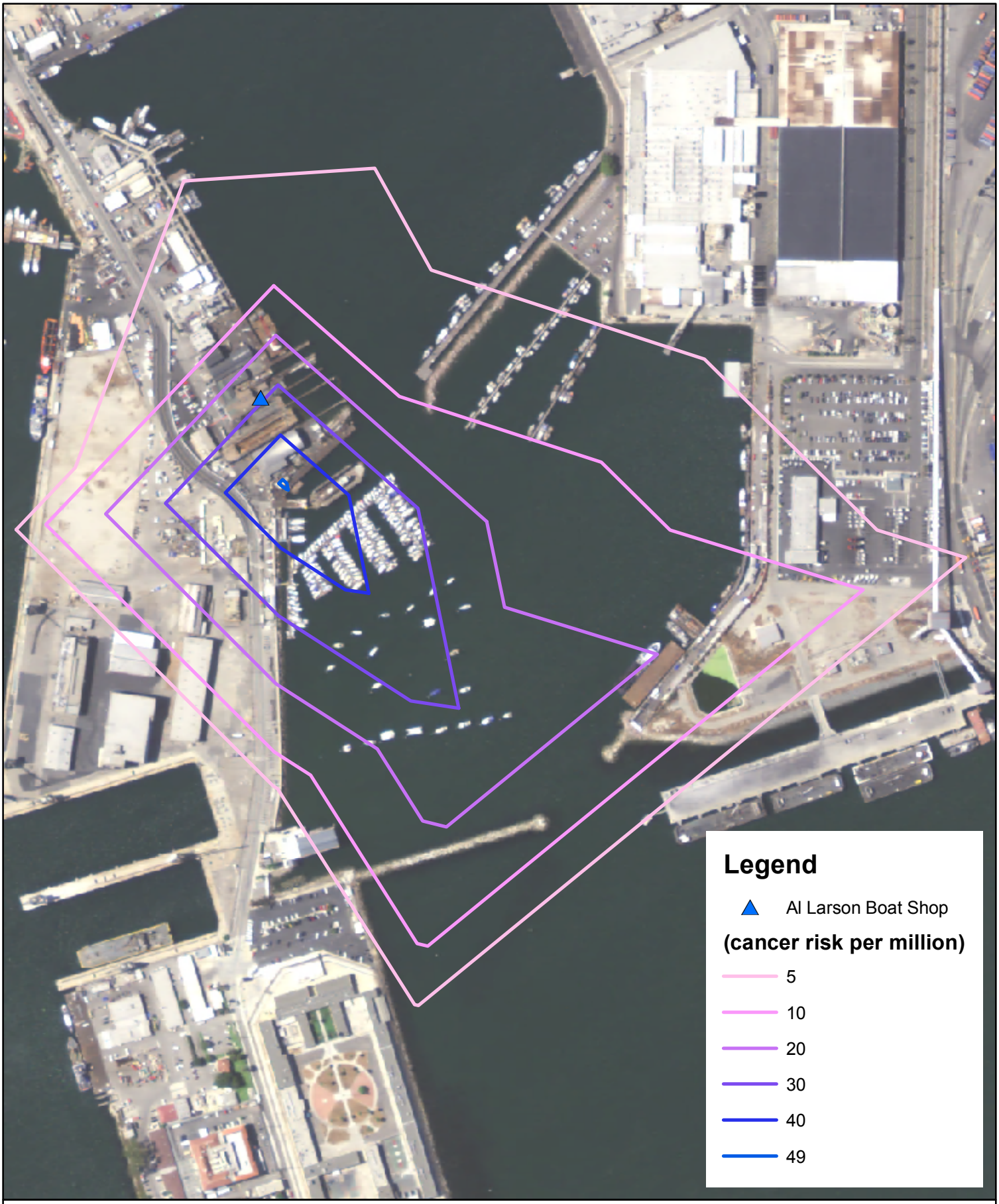
Port of Los Angeles
Al Larson Boat Shop Improvement Project
Maximum Concentration Locations Associated With the Unmitigated Proposed Project

Figure 1

CDM Smith

Port of Los Angeles
Al Larson Boat Shop Improvement Project
Maximum Concentration Locations
Associated with the Mitigated Proposed Project

Figure 2



N

CDM Smith

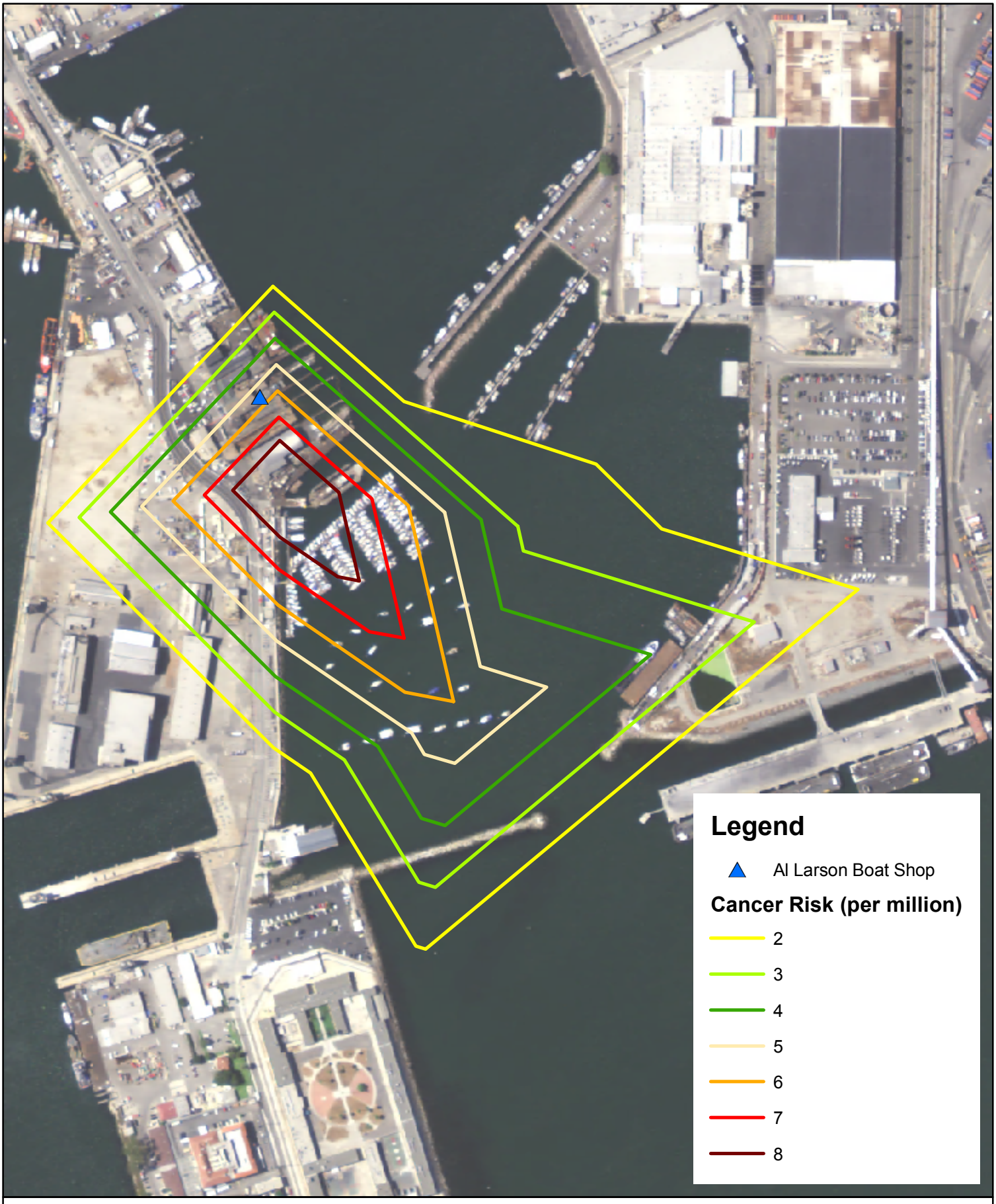
0 212.5 425 850 Feet

Port of Los Angeles

Al Larson Boat Shop Improvement Project

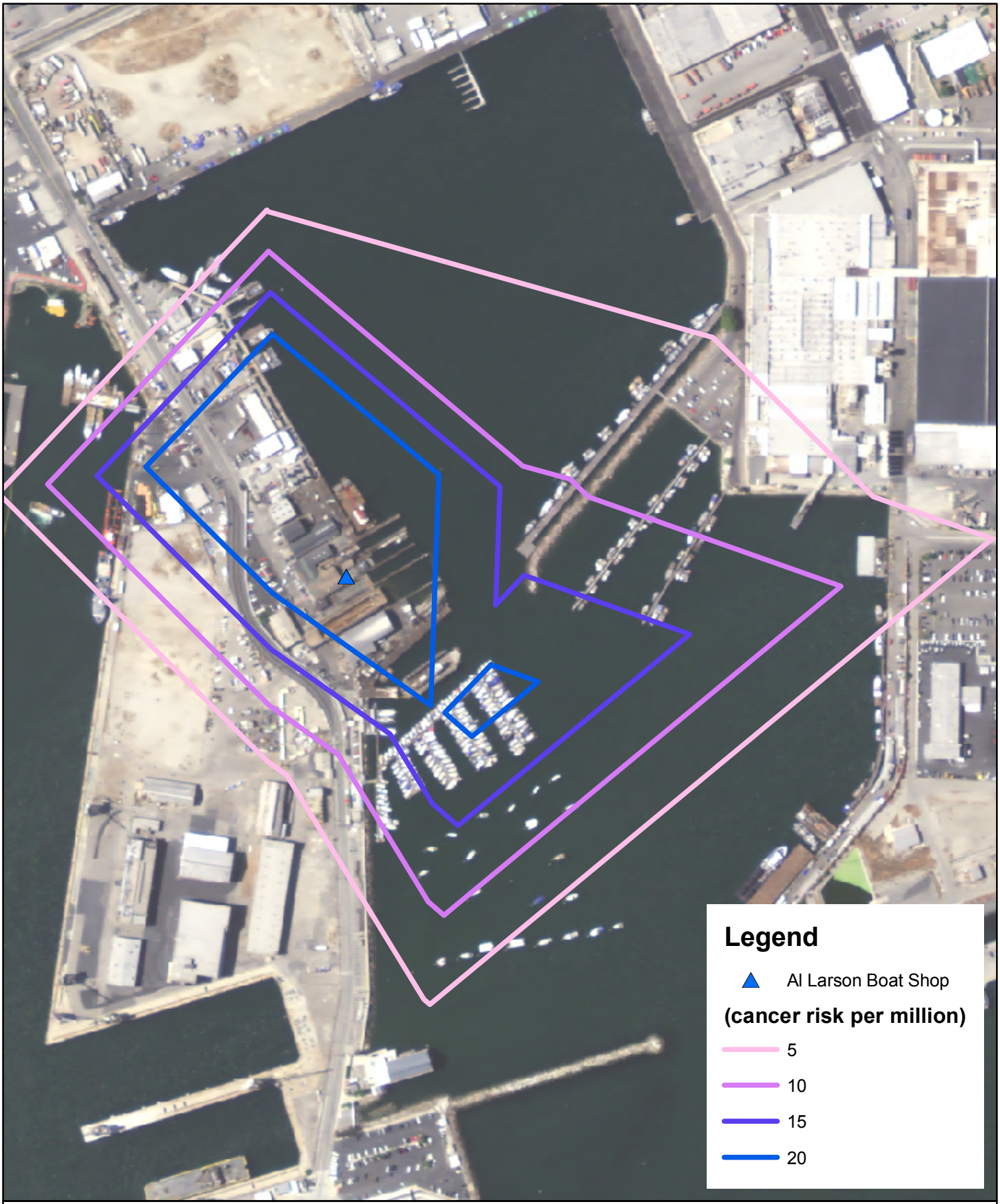
Isopleths of Residential Lifetime Cancer Risk: Unmitigated Proposed Project Minus Baseline

Figure 3



Port of Los Angeles
Al Larson Boat Shop Improvement Project
Isopleths of Occupational Cancer Risk:
Unmitigated Proposed Project Minus Baseline

Figure 4



N

CDM Smith

0 225 450 900 Feet

Port of Los Angeles

Al Larson Boat Shop Improvement Project

Isopleths of Residential Lifetime Cancer Risk: Mitigated Proposed Project Minus Baseline

Figure 5

N

0 205 410 820 Feet

CDM Smith

Port of Los Angeles
Al Larson Boat Shop Improvement Project
Isopleths of Occupational Cancer Risk:
Mitigated Proposed Project Minus Baseline

Figure 6

1.7 Risk Uncertainty

There are a number of factors that contribute to uncertainty in risk calculations. These include, but are not limited to, the following: the need for estimating previous and current emissions and also projecting future emissions, the use of computer models and representative data to estimate risk at a given location, and uncertainty behind the cancer potency factors and RELs used to gauge the magnitude of adverse health effects that may occur from exposure to TACs.

To provide a margin of safety, this report has been prepared with built-in conservatism where assumptions have been made.

1.8 Conclusion

As shown in Table 5, unmitigated emissions would result in significant cancer risk impacts for residential receptors and significant acute hazard impacts for residential and occupational receptors. The peak residential impact for both cancer risk and acute exposure occurs at the liveaboards directly to the south of the proposed Project. The maximum occupational impact occurs at a marine fueling station (currently operated by ExxonMobil/General Petroleum) directly north of the proposed Project. Mitigation measures would not reduce the significant cancer risk and the acute hazard index impacts to less than significant. These impacts will be addressed in the Statement of Findings and Overriding Considerations that will be prepared for the proposed Project.

1.9 References

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Table 3.2-38. Maximum Health Impacts Associated With The Proposed Project Without Mitigation, 2012 - 2081

Health Impact	Receptor Type	Maximum Predicted Impa CEQA Increment	Significance Threshold	Location X	Location Y
Cancer Risk	Residential	**t liveaboards south of si 2.9E-05**	10×10^{-6} 10 in a million	382,684	3,733,072
	Occupational	9E-06		382,509	3,733,296
	Sensitive	5E-07		381,429	3,733,365
	Student	3E-09		380,234	3,733,595
	Recreational	3E-07		383,500	3,731,500
Hazard	Residential	0.03	1	382,684	3,733,072
	Occupational	0.03		382,509	3,733,296
	Sensitive	0.0004		381,429	3,733,365
	Student	0.00001		380,234	3,733,595
	Recreational	0.0002		383,500	3,731,500
Hazard	Residential	**3.5**	1	382,648	3,733,059
	Occupational	**4.2**		382,750	3,733,250
	Sensitive	0.4		381,344	3,732,782
	Student	0.03		380,943	3,732,793
	Recreational	0.2		384,000	3,731,500

Notes:

a) Exceedances of the significance criteria are in **bold**. The significance thresholds apply to the CEQA and NEPA increments only.

b) The maximum increments might not necessarily occur at the same receptor locations as the maximum impacts. This means that the increments cannot necessarily be determined by simply subtracting the baseline impacts from the Project impact. The example given in the text, before the CEQA Impact Determination, illustrates how the increments are calculated.

c) The CEQA increment represents Project minus CEQA baseline. The NEPA increment represents Project minus NEPA baseline.

d) Data represent the receptor locations with the maximum impacts or increments. The impacts or increments at all other receptors would be less than these values.

e) The cancer risk values reported in this table for the residential receptor are based on the 80th percentile breathing rate.

f) Construction emissions were modeled with the operational emissions for the determination of cancer risk.

g) When the predicted impact is less than zero, the Project risk is less than the respective baseline.

Table 3.2-39. Maximum Health Impacts Associated With The Proposed Project With Mitigation, 2012 - 2081

Health Impact	Receptor Type	Maximum Predicted CEQA Increment	Significance Threshold	Location X	Location Y
Cancer Risk	Residential	4E-06	10×10^{-6} 10 in a million	382,648	3,733,059
	Occupational	8E-06		382,509	3,733,296
	Sensitive	4E-07		381,429	3,733,365
	Student	3E-09		380,234	3,733,595
	Recreational	2E-07		383,500	3,731,500
Index	Residential	0.003	1	382,648	3,733,059
	Occupational	0.03		382,509	3,733,296
	Sensitive	0.0004		381,429	3,733,365
	Student	0.00001		380,234	3,733,595
	Recreational	0.0001		383,500	3,731,500
Index	Residential	**3.3**	1.0	382,648	3,733,059
	Occupational	**4.1**		382,750	3,733,250
	Sensitive	0.4		380,102	3,739,333
	Student	0.03		380,943	3,732,793
	Recreational	0.2		384,000	3,731,500

Notes:

a) Exceedances of the significance criteria are in **bold**. The significance thresholds apply to the CEQA and NEPA increments only.

b) The maximum increments might not necessarily occur at the same receptor locations as the maximum impacts. This means that the increments cannot necessarily be determined by simply subtracting the baseline impacts from the Project impact. The example given in the text, before the CEQA Impact Determination, illustrates how the increments are calculated.

c) The CEQA increment represents Project minus CEQA baseline. The NEPA increment represents Project minus NEPA baseline.

d) Data represent the receptor locations with the maximum impacts or increments. The impacts or increments at all other receptors would be less than these values.

e) The cancer risk values reported in this table for the residential receptor are based on the 80th percentile breathing

f) Construction emissions were modeled with the operational emissions for the determination of cancer risk.

Al Larson Boat Shop Upgrade

Table 1. Peak Daily Toxic Emissions by Phase

Construction	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM
	9901	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622
	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
Phase 1	2.935	2.30E-05	6.51E-05	1.30E-04	2.48E-03	7.10E-06	1.60E-04	3.86E-04	6.23E-04	1.01E-04	6.85E-05	3.31E-05	4.42E-02	5.81E-02	1.89E-04
Phase 2	0.834	1.57E-05	3.96E-05	8.60E-05	2.70E-03	7.18E-06	9.12E-05	3.86E-04	6.24E-04	6.47E-05	5.37E-05	2.15E-05	2.86E-02	3.81E-02	1.89E-04
Phase 3	1.758	1.77E-05	3.74E-05	6.08E-05	2.64E-03	7.33E-06	1.13E-04	4.03E-04	6.52E-04	4.27E-05	5.92E-05	1.36E-05	1.83E-02	2.41E-02	2.00E-04
	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons
Phase 1	5.193	5.48E-05	1.54E-04	3.02E-04	5.31E-03	1.16E-05	3.34E-04	7.25E-04	1.33E-03	2.26E-04	1.82E-04	7.27E-05	9.66E-02	1.29E-01	4.14E-04
Phase 2	2.341	3.67E-05	1.07E-04	2.07E-04	4.38E-03	9.74E-06	2.04E-04	5.64E-04	8.48E-04	1.51E-04	1.32E-04	4.83E-05	6.40E-02	8.81E-02	3.10E-04
Phase 3	2.641	3.05E-05	6.52E-05	1.07E-04	3.50E-03	8.67E-06	2.11E-04	5.25E-04	1.14E-03	7.96E-05	8.87E-05	2.40E-05	3.20E-02	4.34E-02	2.74E-04

Phase 1 Construction (2011) — Unmitigated

	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR
	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
Demolish 200' creosote timber wharf	0.2447	1.29E-06	4.65E-06	9.80E-06	1.13E-04	1.60E-07	7.03E-06	1.09E-05	1.39E-05	7.39E-06	4.89E-06	2.46E-06	3.26E-03
Demolish buildings D, C1, & H1	0.1291	7.87E-07	2.70E-06	5.36E-06	9.26E-05	1.54E-07	4.35E-06	9.13E-06	1.24E-05	3.99E-06	3.04E-06	1.31E-06	1.74E-03
Install 24" Octagonal Prestressed Concrete Piles	0.3096	1.59E-06	5.74E-06	1.24E-05	1.26E-04	1.95E-07	8.29E-06	1.34E-05	1.48E-05	9.31E-06	6.05E-06	3.10E-06	4.12E-03
Construct finger piers	0.2961	1.48E-06	5.52E-06	1.18E-05	1.28E-04	1.87E-07	7.59E-06	1.24E-05	1.20E-05	8.88E-06	5.81E-06	2.96E-06	3.93E-03
Install owner furnished 600 ton travel lift	0.1451	7.62E-07	2.78E-06	5.81E-06	6.97E-05	9.60E-08	4.18E-06	6.45E-06	8.22E-06	4.38E-06	2.92E-06	1.46E-06	1.93E-03
F & I steel sheet pile wall (CDF Cell #1)	0.1874	9.90E-07	3.61E-06	7.51E-06	9.27E-05	1.25E-07	5.48E-06	8.38E-06	1.09E-05	5.66E-06	3.80E-06	1.88E-06	2.50E-03
Dredge to elevation -22	1.0627	9.25E-06	3.34E-05	7.35E-05	6.68E-04	1.12E-06	4.69E-05	7.78E-05	7.79E-05	5.51E-05	3.52E-05	1.84E-05	2.44E-02
Stabilize dredge material	0.2537	5.22E-06	1.88E-05	4.11E-05	3.91E-04	6.34E-07	2.68E-05	4.39E-05	4.62E-05	3.09E-05	1.98E-05	1.03E-05	1.37E-02
Dispose of Dredge material into CDF #1	0.1894	4.88E-06	1.76E-05	3.85E-05	3.68E-04	5.94E-07	2.51E-05	4.11E-05	4.30E-05	2.89E-05	1.86E-05	9.64E-06	1.28E-02
Import clean soil to bring upland elevation to street level	0.1549	8.63E-07	2.94E-06	6.00E-06	7.70E-05	1.05E-07	5.21E-06	7.38E-06	1.33E-05	4.56E-06	3.09E-06	1.51E-06	2.01E-03
Storm Water System w/ oil-water separator	0.1483	8.05E-07	2.99E-06	5.95E-06	9.02E-05	1.06E-07	4.69E-06	6.83E-06	1.01E-05	4.49E-06	3.14E-06	1.49E-06	1.98E-03
Soil Export and Asphalt Removals	1.4951	1.16E-05	2.43E-05	4.11E-05	6.56E-04	1.05E-06	1.01E-04	1.05E-04	4.52E-04	3.43E-05	2.53E-05	1.09E-05	1.47E-02
Grading	0.3370	1.39E-05	2.40E-05	3.33E-05	2.30E-03	6.86E-06	7.91E-05	3.70E-04	6.00E-04	2.03E-05	4.52E-05	4.90E-06	6.37E-03
Paving	0.1414	7.81E-07	2.88E-06	5.67E-06	8.83E-05	1.03E-07	4.64E-06	6.65E-06	1.05E-05	4.29E-06	3.02E-06	1.43E-06	1.89E-03
Lighting Improvements	0.0953	5.19E-07	1.90E-06	3.82E-06	5.54E-05	6.74E-08	3.01E-06	4.41E-06	6.57E-06	2.89E-06	2.00E-06	9.60E-07	1.27E-03
Service Truck (Small Deliveries, Port-a-Potties, Utilities)	0.0033	3.77E-08	7.91E-08	1.37E-07	2.01E-06	3.37E-09	3.24E-07	3.41E-07	1.44E-06	1.14E-07	8.24E-08	3.63E-08	4.90E-05
Total	5.1931	5.48E-05	1.54E-04	3.02E-04	5.31E-03	1.16E-05	3.34E-04	7.25E-04	1.33E-03	2.26E-04	1.82E-04	7.27E-05	9.66E-02
Peak Daily Construction -->	2.9349	2.30E-05	6.51E-05	1.30E-04	2.48E-03	7.10E-06	1.60E-04	3.86E-04	6.23E-04	1.01E-04	6.85E-05	3.31E-05	4.42E-02
Phase 2 Construction													
Demolish finger piers	0.17	8.85E-07	3.23E-06	6.67E-06	8.55E-05	1.13E-07	4.95E-06	7.50E-06	1.01E-05	5.03E-06	3.40E-06	1.67E-06	2.22E-03
Dredge to elevation -22	0.36	5.73E-06	2.07E-05	4.53E-05	4.26E-04	6.95E-07	2.93E-05	4.82E-05	4.97E-05	3.40E-05	2.18E-05	1.13E-05	1.50E-02

1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)			
106990	75070	71432	100414	50000	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028			
lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr			
1.11E-02	4.27E-01	1.46E-01	1.88E-02	8.56E-01	1.76E-03	8.57E-02	4.21E-02	5.90E-03	4.72E-02	2.39E-02	2.13E-01	5.51E-03	3.38E-03	1.16E-01	1.96E-05			
3.88E-03	1.47E-01	8.89E-02	7.21E-03	2.96E-01	6.18E-04	2.96E-02	2.17E-02	3.17E-03	4.59E-02	1.36E-02	1.63E-01	1.90E-03	1.18E-03	8.11E-02	1.88E-05			
5.30E-03	2.02E-01	5.53E-02	8.53E-03	4.05E-01	8.41E-04	4.06E-02	1.73E-02	2.34E-03	4.54E-03	9.38E-03	7.18E-02	2.61E-03	1.61E-03	4.13E-02	1.84E-05			
tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons			
2.18E-02	8.34E-01	3.17E-01	3.95E-02	1.67E+00	3.46E-03	1.67E-01	8.94E-02	1.25E-02	8.37E-02	5.37E-02	4.83E-01	1.08E-02	6.63E-03	2.62E-01	6.46E-05			
1.09E-02	4.11E-01	2.01E-01	2.19E-02	8.27E-01	1.73E-03	8.26E-02	5.42E-02	7.64E-03	7.46E-02	3.44E-02	3.33E-01	5.31E-03	3.30E-03	1.77E-01	5.90E-05			
9.10E-03	3.46E-01	9.49E-02	1.62E-02	6.93E-01	1.45E-03	6.96E-02	2.98E-02	4.02E-03	7.85E-03	1.86E-02	1.23E-01	4.47E-03	2.77E-03	7.52E-02	3.75E-05			

SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
4.45E-03	7.45E-06	1.11E-03	4.22E-02	1.16E-02	1.78E-03	8.45E-02	1.76E-04	8.47E-03	3.62E-03	4.89E-04	9.50E-04	1.96E-03	1.50E-02	5.45E-04	3.37E-04	8.63E-03	4.11E-06
2.45E-03	5.51E-06	5.53E-04	2.07E-02	5.72E-03	8.93E-04	4.15E-02	8.84E-05	4.17E-03	1.83E-03	2.41E-04	4.92E-04	9.83E-04	7.42E-03	2.68E-04	1.67E-04	4.33E-03	4.11E-06
5.52E-03	9.18E-06	1.51E-03	5.81E-02	1.59E-02	2.43E-03	1.16E-01	2.40E-04	1.17E-02	4.91E-03	6.73E-04	1.28E-03	2.68E-03	2.06E-02	7.51E-04	4.61E-04	1.18E-02	2.88E-06
5.33E-03	8.59E-06	1.49E-03	5.70E-02	1.56E-02	2.40E-03	1.14E-01	2.36E-04	1.15E-02	4.85E-03	6.60E-04	1.27E-03	2.64E-03	2.02E-02	7.36E-04	4.53E-04	1.16E-02	4.11E-06
2.65E-03	4.41E-06	7.41E-04	2.82E-02	7.73E-03	1.19E-03	5.65E-02	1.18E-04	5.67E-03	2.42E-03	3.27E-04	6.37E-04	1.31E-03	1.00E-02	3.64E-04	2.25E-04	5.77E-03	2.88E-06
3.45E-03	5.72E-06	9.60E-04	3.65E-02	1.00E-02	1.55E-03	7.30E-02	1.53E-04	7.33E-03	3.14E-03	4.23E-04	8.29E-04	1.70E-03	1.30E-02	4.71E-04	2.92E-04	7.49E-03	4.11E-06
3.22E-02	5.36E-05	5.31E-03	2.05E-01	8.53E-02	9.49E-03	4.11E-01	8.40E-04	4.11E-02	2.33E-02	3.32E-03	2.62E-02	1.36E-02	1.35E-01	2.64E-03	1.62E-03	7.06E-02	5.35E-06
1.81E-02	3.02E-05	1.24E-03	4.71E-02	4.24E-02	2.95E-03	9.57E-02	1.97E-04	9.47E-03	1.02E-02	1.50E-03	2.28E-02	6.43E-03	7.91E-02	6.09E-04	3.77E-04	3.90E-02	5.35E-06
1.70E-02	2.83E-05	9.74E-04	3.68E-02	3.96E-02	2.53E-03	7.51E-02	1.55E-04	7.40E-03	9.35E-03	1.38E-03	2.26E-02	5.96E-03	7.54E-02	4.76E-04	2.95E-04	3.70E-02	5.35E-06
2.76E-03	4.96E-06	6.28E-04	2.38E-02	6.54E-03	1.01E-03	4.77E-02	1.00E-04	4.78E-03	2.07E-03	2.76E-04	5.48E-04	1.11E-03	8.48E-03	3.07E-04	1.91E-04	4.91E-03	3.29E-06
2.83E-03	4.65E-06	6.45E-04	2.41E-02	6.67E-03	1.04E-03	4.84E-02	1.03E-04	4.85E-03	2.15E-03	2.81E-04	5.78E-04	1.15E-03	8.65E-03	3.12E-04	1.95E-04	5.06E-03	5.23E-06
1.89E-02	6.52E-05	4.13E-03	1.59E-01	4.33E-02	6.63E-03	3.18E-01	6.53E-04	3.19E-02	1.34E-02	1.84E-03	3.46E-03	7.29E-03	5.62E-02	2.05E-03	1.26E-03	3.21E-02	6.05E-06
9.01E-03	1.78E-04	1.47E-03	5.62E-02	1.54E-02	2.36E-03	1.12E-01	2.32E-04	1.13E-02	4.76E-03	6.51E-04	1.24E-03	2.59E-03	1.99E-02	7.26E-04	4.46E-04	1.14E-02	3.29E-06
2.72E-03	4.51E-06	6.13E-04	2.29E-02	6.33E-03	2.51E-03	4.59E-02	9.83E-05	4.60E-03	2.04E-03	2.67E-04	5.52E-04	3.53E-03	8.21E-03	2.96E-04	1.86E-04	9.04E-03	5.23E-06
1.80E-03	3.00E-06	4.22E-04	1.58E-02	4.36E-03	6.81E-04	3.17E-02	6.75E-05	3.17E-03	1.40E-03	1.84E-04	3.77E-04	7.51E-04	5.66E-03	2.04E-04	1.28E-04	3.31E-03	3.29E-06
6.20E-05	2.12E-07	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	0.00E+00
1.29E-01	4.14E-04	2.18E-02	8.34E-01	3.17E-01	3.95E-02	1.67E+00	3.46E-03	1.67E-01	8.94E-02	1.25E-02	8.37E-02	5.37E-02	4.83E-01	1.08E-02	6.63E-03	2.62E-01	6.46E-05
5.81E-02	1.89E-04	1.11E-02	4.27E-01	1.46E-01	1.88E-02	8.56E-01	1.76E-03	8.57E-02	4.21E-02	5.90E-03	4.72E-02	2.39E-02	2.13E-01	5.51E-03	3.38E-03	1.16E-01	1.96E-05
3.08E-03	5.12E-06	8.72E-04	3.31E-02	9.08E-03	1.41E-03	6.63E-02	1.39E-04	6.65E-03	2.86E-03	3.84E-04	7.56E-04	1.55E-03	1.18E-02	4.28E-04	2.65E-04	6.81E-03	4.11E-06
1.99E-02	3.32E-05	1.77E-03	6.77E-02	4.80E-02	3.80E-03	1.37E-01	2.81E-04	1.36E-02	1.19E-02	1.74E-03	2.32E-02	7.37E-03	8.63E-02	8.74E-04	5.39E-04	4.32E-02	5.35E-06

	Stabilize dredge material			**0.26**	**5.23E-06**	**1.88E-05**	**4.12E-05**	**3.92E-04**	**6.35E-07**	**2.70E-05**	**4.41E-05**	**4.69E-05**	**3.09E-05**	**1.99E-05**	**1.03E-05**	**1.37E-02**
	Dispose of Dredge material into CDF #1			**0.19**	**4.88E-06**	**1.76E-05**	**3.85E-05**	**3.68E-04**	**5.94E-07**	**2.51E-05**	**4.11E-05**	**4.30E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**1.28E-02**
	F & I steel sheet pile wall (CDF Cell #2)			**0.19**	**9.90E-07**	**3.61E-06**	**7.51E-06**	**9.27E-05**	**1.25E-07**	**5.48E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.80E-06**	**1.88E-06**	**2.50E-03**
	Demolish building H2			**0.13**	**7.39E-07**	**2.58E-06**	**5.23E-06**	**7.32E-05**	**1.05E-07**	**4.27E-06**	**6.91E-06**	**1.07E-05**	**3.94E-06**	**2.76E-06**	**1.30E-06**	**1.73E-03**
	Import clean soil to bring upland elevation to cell elevation and Trench back			**0.15**	**9.01E-07**	**3.02E-06**	**6.13E-06**	**7.90E-05**	**1.08E-07**	**5.53E-06**	**7.72E-06**	**1.47E-05**	**4.67E-06**	**3.17E-06**	**1.55E-06**	**2.06E-03**
	Storm Water System w/ oil-water separator			**0.15**	**8.05E-07**	**4.53E-06**	**5.95E-06**	**3.06E-04**	**1.83E-07**	**6.23E-06**	**6.83E-06**	**1.16E-05**	**4.49E-06**	**4.68E-06**	**1.49E-06**	**1.98E-03**
	Soil Export and Asphalt Removals			**0.18**	**1.28E-06**	**3.87E-06**	**7.21E-06**	**1.19E-04**	**1.47E-07**	**9.22E-06**	**1.12E-05**	**3.16E-05**	**5.61E-06**	**4.04E-06**	**1.84E-06**	**2.46E-03**
	Grading			**0.34**	**1.39E-05**	**2.40E-05**	**3.33E-05**	**2.30E-03**	**6.86E-06**	**7.91E-05**	**3.70E-04**	**6.00E-04**	**2.03E-05**	**4.52E-05**	**4.90E-06**	**6.37E-03**
	Paving			**0.14**	**7.81E-07**	**2.88E-06**	**5.67E-06**	**8.83E-05**	**1.03E-07**	**4.64E-06**	**6.65E-06**	**1.05E-05**	**4.29E-06**	**3.02E-06**	**1.43E-06**	**1.89E-03**
	Lighting Improvements			**0.10**	**5.19E-07**	**1.90E-06**	**3.82E-06**	**5.54E-05**	**6.74E-08**	**3.01E-06**	**4.41E-06**	**6.57E-06**	**2.89E-06**	**2.00E-06**	**9.60E-07**	**1.27E-03**
	Service Vehicles and Deliveries			**0.00**	**3.77E-08**	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.90E-05**
				Total	2.34	3.67E-05	1.07E-04	2.07E-04	4.38E-03	9.74E-06	2.04E-04	5.64E-04	8.48E-04	1.51E-04	1.32E-04	4.83E-05	6.40E-02
				Peak Daily Construction -->	0.83	1.57E-05	3.96E-05	8.60E-05	2.70E-03	7.18E-06	9.12E-05	3.86E-04	6.24E-04	6.47E-05	5.37E-05	2.15E-05	2.86E-02
	Phase 3 Construction																
	Demolish buildings A2 & A3			**0.13**	**1.02E-06**	**3.02E-06**	**5.67E-06**	**1.27E-04**	**2.55E-07**	**5.98E-06**	**1.49E-05**	**2.43E-05**	**4.17E-06**	**3.66E-06**	**1.34E-06**	**1.78E-03**
	Import clean soil to bring upland elevation to street level, trench backfill			**0.16**	**9.95E-07**	**3.22E-06**	**6.48E-06**	**8.40E-05**	**1.16E-07**	**6.34E-06**	**8.57E-06**	**1.83E-05**	**4.96E-06**	**3.38E-06**	**1.64E-06**	**2.18E-03**
	Storm Water System w/ oil-water separator			**0.15**	**8.05E-07**	**2.99E-06**	**5.95E-06**	**9.02E-05**	**1.06E-07**	**4.69E-06**	**6.83E-06**	**1.01E-05**	**4.49E-06**	**3.14E-06**	**1.49E-06**	**1.98E-03**
	Soil Export and Asphalt Removals			**1.16**	**1.00E-05**	**1.83E-05**	**2.76E-05**	**5.43E-04**	**8.47E-07**	**9.34E-05**	**9.17E-05**	**4.41E-04**	**2.42E-05**	**1.89E-05**	**7.56E-06**	**1.03E-02**
	Grading			**0.34**	**1.39E-05**	**2.40E-05**	**3.33E-05**	**2.30E-03**	**6.86E-06**	**7.91E-05**	**3.70E-04**	**6.00E-04**	**2.03E-05**	**4.52E-05**	**4.90E-06**	**6.37E-03**
	Paving			**0.14**	**7.81E-07**	**2.88E-06**	**5.67E-06**	**8.83E-05**	**1.03E-07**	**4.64E-06**	**6.65E-06**	**1.05E-05**	**4.29E-06**	**3.02E-06**	**1.43E-06**	**1.89E-03**
	Lighting Improvements			**0.10**	**5.03E-07**	**1.83E-06**	**3.82E-06**	**4.69E-05**	**6.36E-08**	**2.78E-06**	**4.26E-06**	**5.54E-06**	**2.88E-06**	**1.93E-06**	**9.57E-07**	**1.27E-03**
	Existing Utility Protection			**0.10**	**5.03E-07**	**1.83E-06**	**3.82E-06**	**4.69E-05**	**6.36E-08**	**2.78E-06**	**4.26E-06**	**5.54E-06**	**2.88E-06**	**1.93E-06**	**9.57E-07**	**1.27E-03**
	Construct Buildings to replace buildings A2, A3, C1, & D			**0.37**	**1.97E-06**	**7.09E-06**	**1.49E-05**	**1.72E-04**	**2.45E-07**	**1.09E-05**	**1.67E-05**	**2.20E-05**	**1.13E-05**	**7.46E-06**	**3.74E-06**	**4.97E-03**
	Service Vehicles and Deliveries			**0.00**	**3.77E-08**	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.90E-05**
				Total	2.64	3.05E-05	6.52E-05	1.07E-04	3.50E-03	8.67E-06	2.11E-04	5.25E-04	1.14E-03	7.96E-05	8.87E-05	2.40E-05	3.20E-02
				Peak Daily Construction -->	1.76	1.77E-05	3.74E-05	6.08E-05	2.64E-03	7.33E-06	1.13E-04	4.03E-04	6.52E-04	4.27E-05	5.92E-05	1.36E-05	1.83E-02

1.82E-02	3.03E-05	1.25E-03	4.73E-02	4.25E-02	2.96E-03	9.62E-02	1.98E-04	9.51E-03	1.02E-02	1.51E-03	2.28E-02	6.44E-03	7.91E-02	6.12E-04	3.78E-04	3.91E-02	5.35E-06	
1.70E-02	2.83E-05	9.74E-04	3.68E-02	3.96E-02	2.53E-03	7.51E-02	1.55E-04	7.40E-03	9.35E-03	1.38E-03	2.26E-02	5.96E-03	7.54E-02	4.76E-04	2.95E-04	3.70E-02	5.35E-06	
3.45E-03	5.72E-06	9.60E-04	3.65E-02	1.00E-02	1.55E-03	7.30E-02	1.53E-04	7.33E-03	3.14E-03	4.23E-04	8.29E-04	1.70E-03	1.30E-02	4.71E-04	2.92E-04	7.49E-03	4.11E-06	
2.40E-03	4.51E-06	5.49E-04	2.07E-02	5.70E-03	8.86E-04	4.15E-02	8.76E-05	4.17E-03	1.81E-03	2.41E-04	4.82E-04	9.76E-04	7.40E-03	2.68E-04	1.67E-04	4.30E-03	3.29E-06	
2.82E-03	5.18E-06	6.39E-04	2.42E-02	6.65E-03	1.03E-03	4.85E-02	1.02E-04	4.86E-03	2.10E-03	2.81E-04	5.57E-04	1.13E-03	8.62E-03	3.13E-04	1.94E-04	4.99E-03	3.29E-06	
4.22E-03	4.65E-06	6.66E-04	2.42E-02	6.76E-03	1.08E-03	4.84E-02	1.08E-04	4.85E-03	2.28E-03	2.83E-04	6.39E-04	1.20E-03	8.76E-03	3.12E-04	2.00E-04	5.28E-03	1.03E-05	
3.45E-03	7.31E-06	6.77E-04	2.52E-02	6.98E-03	1.09E-03	5.05E-02	1.08E-04	5.07E-03	2.26E-03	2.94E-04	6.12E-04	1.21E-03	9.05E-03	3.26E-04	2.05E-04	5.32E-03	6.05E-06	
9.01E-03	1.78E-04	1.47E-03	5.62E-02	1.54E-02	2.36E-03	1.12E-01	2.32E-04	1.13E-02	4.76E-03	6.51E-04	1.24E-03	2.59E-03	1.99E-02	7.26E-04	4.46E-04	1.14E-02	3.29E-06	
2.72E-03	4.51E-06	6.13E-04	2.29E-02	6.33E-03	2.51E-03	4.59E-02	9.83E-05	4.60E-03	2.04E-03	2.67E-04	5.52E-04	3.53E-03	8.21E-03	2.96E-04	1.86E-04	9.04E-03	5.23E-06	
1.80E-03	3.00E-06	4.22E-04	1.58E-02	4.36E-03	6.81E-04	3.17E-02	6.75E-05	3.17E-03	1.40E-03	1.84E-04	3.77E-04	7.51E-04	5.66E-03	2.04E-04	1.28E-04	3.31E-03	3.29E-06	
6.20E-05	2.12E-07	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	0.00E+00	
8.81E-02	3.10E-04	1.09E-02	4.11E-01	2.01E-01	2.19E-02	8.27E-01	1.73E-03	8.26E-02	5.42E-02	7.64E-03	7.46E-02	3.44E-02	3.33E-01	5.31E-03	3.30E-03	1.77E-01	5.90E-05	
3.81E-02	1.89E-04	3.88E-03	1.47E-01	8.89E-02	7.21E-03	2.96E-01	6.18E-04	2.96E-02	2.17E-02	3.17E-03	4.59E-02	1.36E-02	1.63E-01	1.90E-03	1.18E-03	8.11E-02	1.88E-05	
2.51E-03	8.29E-06	5.53E-04	2.07E-02	5.72E-03	8.93E-04	4.15E-02	8.84E-05	4.17E-03	1.83E-03	2.41E-04	4.92E-04	9.83E-04	7.42E-03	2.68E-04	1.67E-04	4.33E-03	4.11E-06	
2.98E-03	5.71E-06	6.65E-04	2.52E-02	6.93E-03	1.07E-03	5.05E-02	1.06E-04	5.07E-03	2.18E-03	2.93E-04	5.78E-04	1.18E-03	8.99E-03	3.26E-04	2.02E-04	5.20E-03	3.29E-06	
2.83E-03	4.65E-06	6.45E-04	2.41E-02	6.67E-03	1.04E-03	4.84E-02	1.03E-04	4.85E-03	2.15E-03	2.81E-04	5.78E-04	1.15E-03	8.65E-03	3.12E-04	1.95E-04	5.06E-03	5.23E-06	
1.30E-02	5.57E-05	2.69E-03	1.03E-01	2.82E-02	4.32E-03	2.06E-01	4.26E-04	2.07E-02	8.73E-03	1.19E-03	2.27E-03	4.75E-03	3.65E-02	1.33E-03	8.19E-04	2.09E-02	6.05E-06	
9.01E-03	1.78E-04	1.47E-03	5.62E-02	1.54E-02	2.36E-03	1.12E-01	2.32E-04	1.13E-02	4.76E-03	6.51E-04	1.24E-03	2.59E-03	1.99E-02	7.26E-04	4.46E-04	1.14E-02	3.29E-06	
2.72E-03	4.51E-06	6.13E-04	2.29E-02	6.33E-03	2.51E-03	4.59E-02	9.83E-05	4.60E-03	2.04E-03	2.67E-04	5.52E-04	3.53E-03	8.21E-03	2.96E-04	1.86E-04	9.04E-03	5.23E-06	
1.75E-03	2.91E-06	4.17E-04	1.58E-02	4.34E-03	6.72E-04	3.16E-02	6.64E-05	3.17E-03	1.37E-03	1.83E-04	3.62E-04	7.39E-04	5.63E-03	2.04E-04	1.27E-04	3.25E-03	2.06E-06	
1.75E-03	2.91E-06	4.17E-04	1.58E-02	4.34E-03	6.72E-04	3.16E-02	6.64E-05	3.17E-03	1.37E-03	1.83E-04	3.62E-04	7.39E-04	5.63E-03	2.04E-04	1.27E-04	3.25E-03	2.06E-06	
6.77E-03	1.14E-05	1.63E-03	6.20E-02	1.70E-02	2.62E-03	1.24E-01	2.59E-04	1.25E-02	5.32E-03	7.19E-04	1.40E-03	2.88E-03	2.21E-02	8.01E-04	4.95E-04	1.27E-02	6.17E-06	
6.20E-05	2.12E-07	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	0.00E+00	
4.34E-02	2.74E-04	9.10E-03	3.46E-01	9.49E-02	1.62E-02	6.93E-01	1.45E-03	6.96E-02	2.98E-02	4.02E-03	7.85E-03	1.86E-02	1.23E-01	4.47E-03	2.77E-03	7.52E-02	3.75E-05	
2.41E-02	2.00E-04	5.30E-03	2.02E-01	5.53E-02	8.53E-03	4.05E-01	8.41E-04	4.06E-02	1.73E-02	2.34E-03	4.54E-03	9.38E-03	7.18E-02	2.61E-03	1.61E-03	4.13E-02	1.84E-05	

Al Larson Boat Shop Upgrade

Table 1. Peak Daily Toxic Emissions by Phase After Mitigation

Construction	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM
	9901	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622
	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
Phase 1	2.488	2.04E-05	5.73E-05	1.14E-04	1.37E-03	2.20E-06	1.43E-04	1.81E-04	5.07E-04	8.84E-05	6.03E-05	2.90E-05	3.87E-02	5.09E-02	1.17E-04
Phase 2	0.809	1.09E-05	3.91E-05	8.49E-05	8.31E-04	1.33E-06	5.73E-05	9.21E-05	1.05E-04	6.39E-05	4.12E-05	2.13E-05	2.82E-02	3.76E-02	6.33E-05
Phase 3	0.857	5.93E-06	1.84E-05	3.64E-05	6.46E-04	1.25E-06	3.42E-05	7.57E-05	1.20E-04	2.70E-05	2.14E-05	8.79E-06	1.17E-02	1.61E-02	4.40E-05
	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons
Phase 1	4.510	4.01E-05	1.26E-04	2.58E-04	3.13E-03	5.15E-06	2.49E-04	3.72E-04	7.48E-04	1.97E-04	1.35E-04	6.49E-05	8.63E-02	1.15E-01	2.41E-04
Phase 2	2.079	2.44E-05	8.62E-05	1.78E-04	2.35E-03	3.60E-06	1.35E-04	2.32E-04	3.12E-04	1.34E-04	9.27E-05	4.43E-05	5.89E-02	8.09E-02	1.51E-04
Phase 3	1.381	9.41E-06	2.94E-05	5.71E-05	1.03E-03	1.80E-06	5.70E-05	1.12E-04	1.96E-04	4.28E-05	3.34E-05	1.39E-05	1.85E-02	2.59E-02	6.63E-05

Phase 1 Construction (2011)

Mitigated

Mitigated

	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR
	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
Demolish 200' creosote timber wharf	0.2447	1.29E-06	4.65E-06	9.80E-06	1.13E-04	1.60E-07	7.03E-06	1.09E-05	1.39E-05	7.39E-06	4.89E-06	2.46E-06	3.26E-03
Demolish buildings D, C1, & H1	0.1291	7.87E-07	2.70E-06	5.36E-06	9.26E-05	1.54E-07	4.35E-06	9.13E-06	1.24E-05	3.99E-06	3.04E-06	1.31E-06	1.74E-03
Install 24" Octagonal Prestressed Concrete Piles	0.3096	1.59E-06	5.74E-06	1.24E-05	1.26E-04	1.95E-07	8.29E-06	1.34E-05	1.48E-05	9.31E-06	6.05E-06	3.10E-06	4.12E-03
Construct finger piers	0.2961	1.48E-06	5.52E-06	1.18E-05	1.28E-04	1.87E-07	7.59E-06	1.24E-05	1.20E-05	8.88E-06	5.81E-06	2.96E-06	3.93E-03
Install owner furnished 600 ton travel lift	0.1451	7.62E-07	2.78E-06	5.81E-06	6.97E-05	9.60E-08	4.18E-06	6.45E-06	8.22E-06	4.38E-06	2.92E-06	1.46E-06	1.93E-03
F & I steel sheet pile wall (CDF Cell #1)	0.1874	9.90E-07	3.61E-06	7.51E-06	9.27E-05	1.25E-07	5.48E-06	8.38E-06	1.09E-05	5.66E-06	3.80E-06	1.88E-06	2.50E-03
Dredge to elevation -22	1.0627	9.25E-06	3.34E-05	7.35E-05	6.68E-04	1.12E-06	4.69E-05	7.78E-05	7.79E-05	5.51E-05	3.52E-05	1.84E-05	2.44E-02
Stabilize dredge material	0.2489	5.19E-06	1.87E-05	4.09E-05	3.89E-04	6.31E-07	2.67E-05	4.37E-05	4.60E-05	3.07E-05	1.97E-05	1.02E-05	1.36E-02
Dispose of Dredge material into CDF #1	0.1894	4.88E-06	1.76E-05	3.85E-05	3.68E-04	5.94E-07	2.51E-05	4.11E-05	4.30E-05	2.89E-05	1.86E-05	9.64E-06	1.28E-02
Import clean soil to bring upland elevation to street level	0.1330	7.53E-07	2.55E-06	5.12E-06	6.94E-05	9.15E-08	4.66E-06	6.46E-06	1.24E-05	3.90E-06	2.68E-06	1.29E-06	1.72E-03
Storm Water System w/ oil-water separator	0.1108	6.18E-07	2.32E-06	4.45E-06	7.73E-05	8.37E-08	3.76E-06	5.26E-06	8.61E-06	3.37E-06	2.43E-06	1.12E-06	1.49E-03
Soil Export and Asphalt Removals	1.0483	9.06E-06	1.65E-05	2.48E-05	4.95E-04	7.67E-07	8.48E-05	8.31E-05	4.01E-04	2.18E-05	1.71E-05	6.80E-06	9.24E-03
Grading	0.2315	2.42E-06	6.13E-06	1.12E-05	3.18E-04	8.14E-07	1.34E-05	4.57E-05	7.04E-05	7.99E-06	8.44E-06	2.47E-06	3.27E-03
Paving	0.1125	6.37E-07	2.35E-06	4.52E-06	7.83E-05	8.54E-08	3.92E-06	5.43E-06	9.33E-06	3.43E-06	2.47E-06	1.14E-06	1.51E-03
Lighting Improvements	0.0579	3.32E-07	1.23E-06	2.32E-06	4.25E-05	4.49E-08	2.08E-06	2.84E-06	5.07E-06	1.77E-06	1.29E-06	5.85E-07	7.78E-04
Service Truck (Small Deliveries, Port-a-Potties, Utilities)	0.0033	3.77E-08	7.91E-08	1.37E-07	2.01E-06	3.37E-09	3.24E-07	3.41E-07	1.44E-06	1.14E-07	8.24E-08	3.63E-08	4.90E-05
Total	4.5104	4.01E-05	1.26E-04	2.58E-04	3.13E-03	5.15E-06	2.49E-04	3.72E-04	7.48E-04	1.97E-04	1.35E-04	6.49E-05	8.63E-02
Peak Daily Construction -->	2.4881	2.04E-05	5.73E-05	1.14E-04	1.37E-03	2.20E-06	1.43E-04	1.81E-04	5.07E-04	8.84E-05	6.03E-05	2.90E-05	3.87E-02
	2.4881	*2.04E-05*	*5.73E-05*	*1.14E-04*	*1.37E-03*	*2.20E-06*	*1.43E-04*	*1.81E-04*	*5.07E-04*	*8.84E-05*	*6.03E-05*	*2.90E-05*	*3.87E-02*
	0.5331	*4.06E-06*	*1.21E-05*	*2.33E-05*	*4.90E-04*	*1.03E-06*	*2.30E-05*	*5.97E-05*	*9.14E-05*	*1.71E-05*	*1.47E-05*	*5.51E-06*	*7.31E-03*
	0.6149	*3.25E-06*	*1.20E-05*	*2.46E-05*	*3.20E-04*	*4.17E-07*	*1.81E-05*	*2.75E-05*	*3.61E-05*	*1.86E-05*	*1.26E-05*	*6.18E-06*	*8.20E-03*

	0.8843	*1.25E-05*	*4.47E-05*	*9.71E-05*	*9.55E-04*	*1.51E-06*	*6.51E-05*	*1.05E-04*	*1.18E-04*	*7.30E-05*	*4.72E-05*	*2.43E-05*	*3.23E-02*
Phase 2 Construction													
Demolish finger piers	**0.16**	**8.59E-07**	**3.14E-06**	**6.46E-06**	**8.37E-05**	**1.09E-07**	**4.82E-06**	**7.27E-06**	**9.89E-06**	**4.87E-06**	**3.30E-06**	**1.62E-06**	**2.15E-03**
Dredge to elevation -22	**0.36**	**5.73E-06**	**2.07E-05**	**4.53E-05**	**4.26E-04**	**6.95E-07**	**2.93E-05**	**4.82E-05**	**4.97E-05**	**3.40E-05**	**2.18E-05**	**1.13E-05**	**1.50E-02**
Stabilize dredge material	**0.25**	**5.21E-06**	**1.88E-05**	**4.10E-05**	**3.90E-04**	**6.33E-07**	**2.69E-05**	**4.39E-05**	**4.68E-05**	**3.08E-05**	**1.98E-05**	**1.03E-05**	**1.36E-02**
Dispose of Dredge material into CDF #1	**0.19**	**4.88E-06**	**1.76E-05**	**3.85E-05**	**3.68E-04**	**5.94E-07**	**2.51E-05**	**4.11E-05**	**4.30E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**1.28E-02**
F & I steel sheet pile wall (CDF Cell #2)	**0.19**	**9.90E-07**	**3.61E-06**	**7.51E-06**	**9.27E-05**	**1.25E-07**	**5.48E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.80E-06**	**1.88E-06**	**2.50E-03**
Demolish building H2	**0.12**	**7.16E-07**	**2.49E-06**	**5.04E-06**	**7.15E-05**	**1.03E-07**	**4.16E-06**	**6.71E-06**	**1.05E-05**	**3.80E-06**	**2.67E-06**	**1.26E-06**	**1.67E-03**
Import clean soil to bring upland elevation to cell elevation and Trench back	**0.13**	**7.91E-07**	**2.63E-06**	**5.26E-06**	**7.14E-05**	**9.48E-08**	**4.98E-06**	**6.80E-06**	**1.39E-05**	**4.01E-06**	**2.76E-06**	**1.33E-06**	**1.77E-03**
Storm Water System w/ oil-water separator	**0.11**	**6.18E-07**	**3.86E-06**	**4.45E-06**	**2.93E-04**	**1.61E-07**	**5.30E-06**	**5.26E-06**	**1.02E-05**	**3.37E-06**	**3.97E-06**	**1.12E-06**	**1.49E-03**
Soil Export and Asphalt Removals	**0.16**	**1.21E-06**	**3.59E-06**	**6.59E-06**	**1.14E-04**	**1.38E-07**	**8.83E-06**	**1.06E-05**	**3.09E-05**	**5.15E-06**	**3.75E-06**	**1.69E-06**	**2.25E-03**
Grading	**0.23**	**2.42E-06**	**6.13E-06**	**1.12E-05**	**3.18E-04**	**8.14E-07**	**1.34E-05**	**4.57E-05**	**7.04E-05**	**7.99E-06**	**8.44E-06**	**2.47E-06**	**3.27E-03**
Paving	**0.11**	**6.37E-07**	**2.35E-06**	**4.52E-06**	**7.83E-05**	**8.54E-08**	**3.92E-06**	**5.43E-06**	**9.33E-06**	**3.43E-06**	**2.47E-06**	**1.14E-06**	**1.51E-03**
Lighting Improvements	**0.06**	**3.32E-07**	**1.23E-06**	**2.32E-06**	**4.25E-05**	**4.49E-08**	**2.08E-06**	**2.84E-06**	**5.07E-06**	**1.77E-06**	**1.29E-06**	**5.85E-07**	**7.78E-04**
Service Vehicles and Deliveries	**0.00**	**3.77E-08**	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.90E-05**
Total	2.08	2.44E-05	8.62E-05	1.78E-04	2.35E-03	3.60E-06	1.35E-04	2.32E-04	3.12E-04	1.34E-04	9.27E-05	4.43E-05	5.89E-02
Peak Daily Construction -->	0.81	1.09E-05	3.91E-05	8.49E-05	8.31E-04	1.33E-06	5.73E-05	9.21E-05	1.05E-04	6.39E-05	4.12E-05	2.13E-05	2.82E-02
	0.81	*8.54E-06*	*3.00E-05*	*6.35E-05*	*6.97E-04*	*1.05E-06*	*4.74E-05*	*7.31E-05*	*1.02E-04*	*4.79E-05*	*3.16E-05*	*1.59E-05*	*2.11E-02*
	0.53	*4.06E-06*	*1.37E-05*	*2.33E-05*	*7.06E-04*	*1.10E-06*	*2.45E-05*	*5.97E-05*	*9.29E-05*	*1.71E-05*	*1.63E-05*	*5.51E-06*	*7.31E-03*
	0.57	*1.09E-05*	*3.91E-05*	*8.49E-05*	*8.31E-04*	*1.33E-06*	*5.73E-05*	*9.21E-05*	*1.05E-04*	*6.39E-05*	*4.12E-05*	*2.13E-05*	*2.82E-02*
	0.17	*1.01E-06*	*3.66E-06*	*6.98E-06*	*1.23E-04*	*1.34E-07*	*6.32E-06*	*8.61E-06*	*1.58E-05*	*5.31E-06*	*3.84E-06*	*1.76E-06*	*2.34E-03*
Phase 3 Construction													
Demolish buildings A2 & A3	**0.12**	**9.69E-07**	**2.84E-06**	**5.27E-06**	**1.23E-04**	**2.49E-07**	**5.73E-06**	**1.45E-05**	**2.39E-05**	**3.87E-06**	**3.47E-06**	**1.24E-06**	**1.64E-03**
Import clean soil to bring upland elevation to street level, trench backfill	**0.14**	**8.85E-07**	**2.83E-06**	**5.60E-06**	**7.64E-05**	**1.03E-07**	**5.79E-06**	**7.65E-06**	**1.75E-05**	**4.30E-06**	**2.96E-06**	**1.42E-06**	**1.89E-03**
Storm Water System w/ oil-water separator	**0.11**	**6.18E-07**	**2.32E-06**	**4.45E-06**	**7.73E-05**	**8.37E-08**	**3.76E-06**	**5.26E-06**	**8.61E-06**	**3.37E-06**	**2.43E-06**	**1.12E-06**	**1.49E-03**
Soil Export and Asphalt Removals	**0.18**	**1.24E-06**	**3.50E-06**	**6.26E-06**	**1.14E-04**	**1.38E-07**	**9.46E-06**	**1.09E-05**	**3.52E-05**	**4.94E-06**	**3.65E-06**	**1.61E-06**	**2.15E-03**
Grading	**0.23**	**2.42E-06**	**6.13E-06**	**1.12E-05**	**3.18E-04**	**8.14E-07**	**1.34E-05**	**4.57E-05**	**7.04E-05**	**7.99E-06**	**8.44E-06**	**2.47E-06**	**3.27E-03**
Paving	**0.11**	**6.37E-07**	**2.35E-06**	**4.52E-06**	**7.83E-05**	**8.54E-08**	**3.92E-06**	**5.43E-06**	**9.33E-06**	**3.43E-06**	**2.47E-06**	**1.14E-06**	**1.51E-03**
Lighting Improvements	**0.06**	**3.16E-07**	**1.16E-06**	**2.32E-06**	**3.40E-05**	**4.11E-08**	**1.84E-06**	**2.68E-06**	**4.04E-06**	**1.75E-06**	**1.22E-06**	**5.83E-07**	**7.74E-04**
Existing Utility Protection	**0.06**	**3.16E-07**	**1.16E-06**	**2.32E-06**	**3.40E-05**	**4.11E-08**	**1.84E-06**	**2.68E-06**	**4.04E-06**	**1.75E-06**	**1.22E-06**	**5.83E-07**	**7.74E-04**
Construct Buildings to replace buildings A2, A3, C1, & D	**0.37**	**1.97E-06**	**7.09E-06**	**1.49E-05**	**1.72E-04**	**2.45E-07**	**1.09E-05**	**1.67E-05**	**2.20E-05**	**1.13E-05**	**7.46E-06**	**3.74E-06**	**4.97E-03**
Service Vehicles and Deliveries	**0.00**	**3.77E-08**	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.90E-05**
Total	1.38	9.41E-06	2.94E-05	5.71E-05	1.03E-03	1.80E-06	5.70E-05	1.12E-04	1.96E-04	4.28E-05	3.34E-05	1.39E-05	1.85E-02
Peak Daily Construction -->	0.86	5.93E-06	1.84E-05	3.64E-05	6.46E-04	1.25E-06	3.42E-05	7.57E-05	1.20E-04	2.70E-05	2.14E-05	8.79E-06	1.17E-02
	0.73	4.53E-06	1.47E-05	2.89E-05	4.45E-04	6.76E-07	2.82E-05	4.51E-05	8.66E-05	2.19E-05	1.59E-05	7.21E-06	9.59E-03
	0.86	5.93E-06	1.84E-05	3.64E-05	6.46E-04	1.25E-06	3.42E-05	7.57E-05	1.20E-04	2.70E-05	2.14E-05	8.79E-06	1.17E-02
	0.55	2.97E-06	1.07E-05	2.19E-05	2.86E-04	3.75E-07	1.69E-05	2.52E-05	3.68E-05	1.66E-05	1.12E-05	5.50E-06	7.31E-03

1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
106990	75070	71432	100414	50000	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028
lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
1.11E-02	4.27E-01	1.46E-01	1.88E-02	8.56E-01	1.76E-03	8.57E-02	4.21E-02	5.90E-03	4.72E-02	2.39E-02	2.13E-01	5.51E-03	3.38E-03	1.16E-01	1.96E-05
3.88E-03	1.47E-01	8.89E-02	7.21E-03	2.96E-01	6.18E-04	2.96E-02	2.17E-02	3.17E-03	4.59E-02	1.36E-02	1.63E-01	1.90E-03	1.18E-03	8.11E-02	1.88E-05
4.41E-03	1.68E-01	4.61E-02	7.11E-03	3.36E-01	7.02E-04	3.37E-02	1.44E-02	1.95E-03	3.80E-03	7.82E-03	5.97E-02	2.17E-03	1.34E-03	3.44E-02	1.84E-05
tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons	tons
2.18E-02	8.34E-01	3.17E-01	3.95E-02	1.67E+00	3.46E-03	1.67E-01	8.94E-02	1.25E-02	8.37E-02	5.37E-02	4.83E-01	1.08E-02	6.63E-03	2.62E-01	6.46E-05
1.09E-02	4.11E-01	2.01E-01	2.19E-02	8.27E-01	1.73E-03	8.26E-02	5.42E-02	7.64E-03	7.46E-02	3.44E-02	3.33E-01	5.31E-03	3.30E-03	1.77E-01	5.90E-05
6.99E-03	2.65E-01	7.27E-02	1.28E-02	5.30E-01	1.11E-03	5.31E-02	2.30E-02	3.07E-03	6.10E-03	1.48E-02	9.43E-02	3.42E-03	2.12E-03	5.88E-02	3.75E-05

SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr	lbs/hr
4.45E-03	7.45E-06	1.11E-03	4.22E-02	1.16E-02	1.78E-03	8.45E-02	1.76E-04	8.47E-03	3.62E-03	4.89E-04	9.50E-04	1.96E-03	1.50E-02	5.45E-04	3.37E-04	8.63E-03	4.11E-06
2.45E-03	5.51E-06	5.53E-04	2.07E-02	5.72E-03	8.93E-04	4.15E-02	8.84E-05	4.17E-03	1.83E-03	2.41E-04	4.92E-04	9.83E-04	7.42E-03	2.68E-04	1.67E-04	4.33E-03	4.11E-06
5.52E-03	9.18E-06	1.51E-03	5.81E-02	1.59E-02	2.43E-03	1.16E-01	2.40E-04	1.17E-02	4.91E-03	6.73E-04	1.28E-03	2.68E-03	2.06E-02	7.51E-04	4.61E-04	1.18E-02	2.88E-06
5.33E-03	8.59E-06	1.49E-03	5.70E-02	1.56E-02	2.40E-03	1.14E-01	2.36E-04	1.15E-02	4.85E-03	6.60E-04	1.27E-03	2.64E-03	2.02E-02	7.36E-04	4.53E-04	1.16E-02	4.11E-06
2.65E-03	4.41E-06	7.41E-04	2.82E-02	7.73E-03	1.19E-03	5.65E-02	1.18E-04	5.67E-03	2.42E-03	3.27E-04	6.37E-04	1.31E-03	1.00E-02	3.64E-04	2.25E-04	5.77E-03	2.88E-06
3.45E-03	5.72E-06	9.60E-04	3.65E-02	1.00E-02	1.55E-03	7.30E-02	1.53E-04	7.33E-03	3.14E-03	4.23E-04	8.29E-04	1.70E-03	1.30E-02	4.71E-04	2.92E-04	7.49E-03	4.11E-06
3.22E-02	5.36E-05	5.31E-03	2.05E-01	8.53E-02	9.49E-03	4.11E-01	8.40E-04	4.11E-02	2.33E-02	3.32E-03	2.62E-02	1.36E-02	1.35E-01	2.64E-03	1.62E-03	7.06E-02	5.35E-06
1.81E-02	3.01E-05	1.24E-03	4.71E-02	4.24E-02	2.95E-03	9.57E-02	1.97E-04	9.47E-03	1.02E-02	1.50E-03	2.28E-02	6.43E-03	7.91E-02	6.09E-04	3.77E-04	3.90E-02	5.35E-06
1.70E-02	2.83E-05	9.74E-04	3.68E-02	3.96E-02	2.53E-03	7.51E-02	1.55E-04	7.40E-03	9.35E-03	1.38E-03	2.26E-02	5.96E-03	7.54E-02	4.76E-04	2.95E-04	3.70E-02	5.35E-06
2.38E-03	4.33E-06	6.28E-04	2.38E-02	6.54E-03	1.01E-03	4.77E-02	1.00E-04	4.78E-03	2.07E-03	2.76E-04	5.48E-04	1.11E-03	8.48E-03	3.07E-04	1.91E-04	4.91E-03	3.29E-06
2.18E-03	3.56E-06	6.45E-04	2.41E-02	6.67E-03	1.04E-03	4.84E-02	1.03E-04	4.85E-03	2.15E-03	2.81E-04	5.78E-04	1.15E-03	8.65E-03	3.12E-04	1.95E-04	5.06E-03	5.23E-06
1.17E-02	5.05E-05	4.13E-03	1.59E-01	4.33E-02	6.63E-03	3.18E-01	6.53E-04	3.19E-02	1.34E-02	1.84E-03	3.46E-03	7.29E-03	5.62E-02	2.05E-03	1.26E-03	3.21E-02	6.05E-06
4.48E-03	2.37E-05	1.47E-03	5.62E-02	1.54E-02	2.36E-03	1.12E-01	2.32E-04	1.13E-02	4.76E-03	6.51E-04	1.24E-03	2.59E-03	1.99E-02	7.26E-04	4.46E-04	1.14E-02	3.29E-06
2.21E-03	3.67E-06	6.13E-04	2.29E-02	6.33E-03	2.51E-03	4.59E-02	9.83E-05	4.60E-03	2.04E-03	2.67E-04	5.52E-04	3.53E-03	8.21E-03	2.96E-04	1.86E-04	9.04E-03	5.23E-06
1.15E-03	1.91E-06	4.22E-04	1.58E-02	4.36E-03	6.81E-04	3.17E-02	6.75E-05	3.17E-03	1.40E-03	1.84E-04	3.77E-04	7.51E-04	5.66E-03	2.04E-04	1.28E-04	3.31E-03	3.29E-06
6.20E-05	2.12E-07	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	0.00E+00
1.15E-01	2.41E-04	2.18E-02	8.34E-01	3.17E-01	3.95E-02	1.67E+00	3.46E-03	1.67E-01	8.94E-02	1.25E-02	8.37E-02	5.37E-02	4.83E-01	1.08E-02	6.63E-03	2.62E-01	6.46E-05
5.09E-02	1.17E-04	1.11E-02	4.27E-01	1.46E-01	1.88E-02	8.56E-01	1.76E-03	8.57E-02	4.21E-02	5.90E-03	4.72E-02	2.39E-02	2.13E-01	5.51E-03	3.38E-03	1.16E-01	1.96E-05
5.09E-02	*1.17E-04*	*1.11E-02*	*4.27E-01*	*1.46E-01*	*1.88E-02*	*8.56E-01*	*1.76E-03*	*8.57E-02*	*4.21E-02*	*5.90E-03*	*3.11E-02*	*2.39E-02*	*2.13E-01*	*5.51E-03*	*3.38E-03*	*1.16E-01*	*1.96E-05*
1.02E-02	*3.32E-05*	*3.08E-03*	*1.17E-01*	*3.21E-02*	*4.96E-03*	*2.35E-01*	*4.90E-04*	*2.35E-02*	*1.01E-02*	*1.36E-03*	*2.66E-03*	*5.46E-03*	*4.17E-02*	*1.51E-03*	*9.36E-04*	*2.40E-02*	*1.26E-05*
1.14E-02	*1.88E-05*	*3.28E-03*	*1.24E-01*	*3.41E-02*	*6.80E-03*	*2.49E-01*	*5.21E-04*	*2.50E-02*	*1.07E-02*	*1.44E-03*	*2.84E-03*	*8.25E-03*	*4.43E-02*	*1.61E-03*	*9.95E-04*	*2.98E-02*	*1.55E-05*

4.30E-02	*7.21E-05*	*4.37E-03*	*1.66E-01*	*1.05E-01*	*8.94E-03*	*3.36E-01*	*6.94E-04*	*3.34E-02*	*2.66E-02*	*3.84E-03*	*4.72E-02*	*1.62E-02*	*1.84E-01*	*2.15E-03*	*1.33E-03*	*9.28E-02*	*1.69E-05*
2.99E-03	**4.96E-06**	**8.72E-04**	**3.31E-02**	**9.08E-03**	**1.41E-03**	**6.63E-02**	**1.39E-04**	**6.65E-03**	**2.86E-03**	**3.84E-04**	**7.56E-04**	**1.55E-03**	**1.18E-02**	**4.28E-04**	**2.65E-04**	**6.81E-03**	**4.11E-06**
1.99E-02	**3.32E-05**	**1.77E-03**	**6.77E-02**	**4.80E-02**	**3.80E-03**	**1.37E-01**	**2.81E-04**	**1.36E-02**	**1.19E-02**	**1.74E-03**	**2.32E-02**	**7.37E-03**	**8.63E-02**	**8.74E-04**	**5.39E-04**	**4.32E-02**	**5.35E-06**
1.81E-02	**3.02E-05**	**1.25E-03**	**4.73E-02**	**4.25E-02**	**2.96E-03**	**9.62E-02**	**1.98E-04**	**9.51E-03**	**1.02E-02**	**1.51E-03**	**2.28E-02**	**6.44E-03**	**7.91E-02**	**6.12E-04**	**3.78E-04**	**3.91E-02**	**5.35E-06**
1.70E-02	**2.83E-05**	**9.74E-04**	**3.68E-02**	**3.96E-02**	**2.53E-03**	**7.51E-02**	**1.55E-04**	**7.40E-03**	**9.35E-03**	**1.38E-03**	**2.26E-02**	**5.96E-03**	**7.54E-02**	**4.76E-04**	**2.95E-04**	**3.70E-02**	**5.35E-06**
3.45E-03	**5.72E-06**	**9.60E-04**	**3.65E-02**	**1.00E-02**	**1.55E-03**	**7.30E-02**	**1.53E-04**	**7.33E-03**	**3.14E-03**	**4.23E-04**	**8.29E-04**	**1.70E-03**	**1.30E-02**	**4.71E-04**	**2.92E-04**	**7.49E-03**	**4.11E-06**
2.32E-03	**4.37E-06**	**5.49E-04**	**2.07E-02**	**5.70E-03**	**8.86E-04**	**4.15E-02**	**8.76E-05**	**4.17E-03**	**1.81E-03**	**2.41E-04**	**4.82E-04**	**9.76E-04**	**7.40E-03**	**2.68E-04**	**1.67E-04**	**4.30E-03**	**3.29E-06**
2.44E-03	**4.54E-06**	**6.39E-04**	**2.42E-02**	**6.65E-03**	**1.03E-03**	**4.85E-02**	**1.02E-04**	**4.86E-03**	**2.10E-03**	**2.81E-04**	**5.57E-04**	**1.13E-03**	**8.62E-03**	**3.13E-04**	**1.94E-04**	**4.99E-03**	**3.29E-06**
3.57E-03	**3.56E-06**	**6.66E-04**	**2.42E-02**	**6.76E-03**	**1.08E-03**	**4.84E-02**	**1.08E-04**	**4.85E-03**	**2.28E-03**	**2.83E-04**	**6.39E-04**	**1.20E-03**	**8.76E-03**	**3.12E-04**	**2.00E-04**	**5.28E-03**	**1.03E-05**
3.18E-03	**6.86E-06**	**6.77E-04**	**2.52E-02**	**6.98E-03**	**1.09E-03**	**5.05E-02**	**1.08E-04**	**5.07E-03**	**2.26E-03**	**2.94E-04**	**6.12E-04**	**1.21E-03**	**9.05E-03**	**3.26E-04**	**2.05E-04**	**5.32E-03**	**6.05E-06**
4.48E-03	**2.37E-05**	**1.47E-03**	**5.62E-02**	**1.54E-02**	**2.36E-03**	**1.12E-01**	**2.32E-04**	**1.13E-02**	**4.76E-03**	**6.51E-04**	**1.24E-03**	**2.59E-03**	**1.99E-02**	**7.26E-04**	**4.46E-04**	**1.14E-02**	**3.29E-06**
2.21E-03	**3.67E-06**	**6.13E-04**	**2.29E-02**	**6.33E-03**	**2.51E-03**	**4.59E-02**	**9.83E-05**	**4.60E-03**	**2.04E-03**	**2.67E-04**	**5.52E-04**	**3.53E-03**	**8.21E-03**	**2.96E-04**	**1.86E-04**	**9.04E-03**	**5.23E-06**
1.15E-03	**1.91E-06**	**4.22E-04**	**1.58E-02**	**4.36E-03**	**6.81E-04**	**3.17E-02**	**6.75E-05**	**3.17E-03**	**1.40E-03**	**1.84E-04**	**3.77E-04**	**7.51E-04**	**5.66E-03**	**2.04E-04**	**1.28E-04**	**3.31E-03**	**3.29E-06**
6.20E-05	**2.12E-07**	**1.05E-05**	**4.08E-04**	**1.11E-04**	**1.69E-05**	**8.17E-04**	**1.67E-06**	**8.20E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**1.44E-04**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**0.00E+00**
8.09E-02	1.51E-04	1.09E-02	4.11E-01	2.01E-01	2.19E-02	8.27E-01	1.73E-03	8.26E-02	5.42E-02	7.64E-03	7.46E-02	3.44E-02	3.33E-01	5.31E-03	3.30E-03	1.77E-01	5.90E-05
3.76E-02	6.33E-05	3.88E-03	1.47E-01	8.89E-02	7.21E-03	2.96E-01	6.18E-04	2.96E-02	2.17E-02	3.17E-03	4.59E-02	1.36E-02	1.63E-01	1.90E-03	1.18E-03	8.11E-02	1.88E-05
2.85E-02	*4.96E-05*	*3.88E-03*	*1.47E-01*	*6.99E-02*	*7.21E-03*	*2.96E-01*	*6.18E-04*	*2.96E-02*	*1.89E-02*	*2.66E-03*	*2.51E-02*	*1.11E-02*	*1.15E-01*	*1.90E-03*	*1.18E-03*	*5.97E-02*	*1.88E-05*
1.16E-02	*3.32E-05*	*3.10E-03*	*1.17E-01*	*3.22E-02*	*5.00E-03*	*2.35E-01*	*4.95E-04*	*2.35E-02*	*1.02E-02*	*1.36E-03*	*2.72E-03*	*5.51E-03*	*4.18E-02*	*1.51E-03*	*9.41E-04*	*2.42E-02*	*1.77E-05*
3.76E-02	*6.33E-05*	*2.87E-03*	*1.09E-01*	*8.89E-02*	*6.54E-03*	*2.21E-01*	*4.57E-04*	*2.19E-02*	*2.17E-02*	*3.17E-03*	*4.59E-02*	*1.36E-02*	*1.63E-01*	*1.41E-03*	*8.71E-04*	*8.11E-02*	*1.40E-05*
3.42E-03	*5.79E-06*	*1.05E-03*	*3.91E-02*	*1.08E-02*	*3.21E-03*	*7.84E-02*	*1.67E-04*	*7.86E-03*	*3.48E-03*	*4.55E-04*	*9.38E-04*	*4.30E-03*	*1.40E-02*	*5.05E-04*	*3.16E-04*	*1.24E-02*	*8.52E-06*
2.33E-03	**8.00E-06**	**5.53E-04**	**2.07E-02**	**5.72E-03**	**8.93E-04**	**4.15E-02**	**8.84E-05**	**4.17E-03**	**1.83E-03**	**2.41E-04**	**4.92E-04**	**9.83E-04**	**7.42E-03**	**2.68E-04**	**1.67E-04**	**4.33E-03**	**4.11E-06**
2.59E-03	**5.07E-06**	**6.65E-04**	**2.52E-02**	**6.93E-03**	**1.07E-03**	**5.05E-02**	**1.06E-04**	**5.07E-03**	**2.18E-03**	**2.93E-04**	**5.78E-04**	**1.18E-03**	**8.99E-03**	**3.26E-04**	**2.02E-04**	**5.20E-03**	**3.29E-06**
2.18E-03	**3.56E-06**	**6.45E-04**	**2.41E-02**	**6.67E-03**	**1.04E-03**	**4.84E-02**	**1.03E-04**	**4.85E-03**	**2.15E-03**	**2.81E-04**	**5.78E-04**	**1.15E-03**	**8.65E-03**	**3.12E-04**	**1.95E-04**	**5.06E-03**	**5.23E-06**
3.05E-03	**7.01E-06**	**5.73E-04**	**2.12E-02**	**5.89E-03**	**9.28E-04**	**4.26E-02**	**9.22E-05**	**4.27E-03**	**1.93E-03**	**2.48E-04**	**5.26E-04**	**1.02E-03**	**7.64E-03**	**2.74E-04**	**1.73E-04**	**4.52E-03**	**6.05E-06**
4.48E-03	**2.37E-05**	**1.47E-03**	**5.62E-02**	**1.54E-02**	**2.36E-03**	**1.12E-01**	**2.32E-04**	**1.13E-02**	**4.76E-03**	**6.51E-04**	**1.24E-03**	**2.59E-03**	**1.99E-02**	**7.26E-04**	**4.46E-04**	**1.14E-02**	**3.29E-06**
2.21E-03	**3.67E-06**	**6.13E-04**	**2.29E-02**	**6.33E-03**	**2.51E-03**	**4.59E-02**	**9.83E-05**	**4.60E-03**	**2.04E-03**	**2.67E-04**	**5.52E-04**	**3.53E-03**	**8.21E-03**	**2.96E-04**	**1.86E-04**	**9.04E-03**	**5.23E-06**
1.10E-03	**1.82E-06**	**4.17E-04**	**1.58E-02**	**4.34E-03**	**6.72E-04**	**3.16E-02**	**6.64E-05**	**3.17E-03**	**1.37E-03**	**1.83E-04**	**3.62E-04**	**7.39E-04**	**5.63E-03**	**2.04E-04**	**1.27E-04**	**3.25E-03**	**2.06E-06**
1.10E-03	**1.82E-06**	**4.17E-04**	**1.58E-02**	**4.34E-03**	**6.72E-04**	**3.16E-02**	**6.64E-05**	**3.17E-03**	**1.37E-03**	**1.83E-04**	**3.62E-04**	**7.39E-04**	**5.63E-03**	**2.04E-04**	**1.27E-04**	**3.25E-03**	**2.06E-06**
6.77E-03	**1.14E-05**	**1.63E-03**	**6.20E-02**	**1.70E-02**	**2.62E-03**	**1.24E-01**	**2.59E-04**	**1.25E-02**	**5.32E-03**	**7.19E-04**	**1.40E-03**	**2.88E-03**	**2.21E-02**	**8.01E-04**	**4.95E-04**	**1.27E-02**	**6.17E-06**
6.20E-05	**2.12E-07**	**1.05E-05**	**4.08E-04**	**1.11E-04**	**1.69E-05**	**8.17E-04**	**1.67E-06**	**8.20E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**1.44E-04**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**0.00E+00**
2.59E-02	6.63E-05	6.99E-03	2.65E-01	7.27E-02	1.28E-02	5.30E-01	1.11E-03	5.31E-02	2.30E-02	3.07E-03	6.10E-03	1.48E-02	9.43E-02	3.42E-03	2.12E-03	5.88E-02	3.75E-05
1.61E-02	4.40E-05	4.41E-03	1.68E-01	4.61E-02	7.11E-03	3.36E-01	7.02E-04	3.37E-02	1.44E-02	1.95E-03	3.80E-03	7.82E-03	5.97E-02	2.17E-03	1.34E-03	3.44E-02	1.84E-05
1.33E-02	2.85E-05	3.18E-03	1.20E-01	3.31E-02	5.13E-03	2.41E-01	5.07E-04	2.41E-02	1.05E-02	1.40E-03	2.79E-03	5.65E-03	4.29E-02	1.55E-03	9.65E-04	2.49E-02	1.84E-05
1.61E-02	4.40E-05	4.41E-03	1.68E-01	4.61E-02	7.11E-03	3.36E-01	7.02E-04	3.37E-02	1.44E-02	1.95E-03	3.80E-03	7.82E-03	5.97E-02	2.17E-03	1.34E-03	3.44E-02	1.80E-05
1.01E-02	1.71E-05	2.67E-03	1.01E-01	2.78E-02	5.82E-03	2.03E-01	4.25E-04	2.03E-02	8.77E-03	1.17E-03	2.32E-03	7.17E-03	3.60E-02	1.31E-03	8.10E-04	2.51E-02	1.35E-05

Unmitigated Proposed Project - Input for HARP Model

TAC	CAS	Phase 1 (lbs/hr)	Phase 2 (lbs/hr)	Phase 3 (lbs/hr)	Max (lbs/hr)	Phase 1 (lbs/70yr)	Phase 2 (lbs/70yr)	Phase 3 (lbs/70yr)	Max (lbs/70yr)
ARSENIC	7440382	0.000023	0.000016	0.000018	0.000023	0.001566	0.001048	0.000872	0.001566
BROMINE	7726956	0.000065	0.000040	0.000037	0.000065	0.004397	0.003053	0.001863	0.004397
CADMIUM	7440439	0.000130	0.000086	0.000061	0.000130	0.008624	0.005903	0.003069	0.008624
CHLORINE	7782505	0.002481	0.002697	0.002644	0.002697	0.151837	0.125217	0.099870	0.151837
CHROMIUM VI	18540299	0.000007	0.000007	0.000007	0.000007	0.000330	0.000278	0.000248	0.000330
COPPER	7440508	0.000160	0.000091	0.000113	0.000160	0.009542	0.005834	0.006025	0.009542
LEAD	7439921	0.000386	0.000386	0.000403	0.000403	0.020710	0.016107	0.014990	0.020710
MANGANESE	7439965	0.000623	0.000624	0.000652	0.000652	0.038085	0.024227	0.032547	0.038085
MERCURY	7439976	0.000101	0.000065	0.000043	0.000101	0.006443	0.004310	0.002273	0.006443
NICKEL	7440020	0.000068	0.000054	0.000059	0.000068	0.005198	0.003783	0.002534	0.005198
SELENIUM	7782492	0.000033	0.000022	0.000014	0.000033	0.002078	0.001381	0.000687	0.002078
SULFUR	7704349	0.044172	0.028576	0.018345	0.044172	2.760706	1.829554	0.915442	2.760706
SULFATES	9960	0.058096	0.038070	0.024118	0.058096	3.694845	2.518534	1.240033	3.694845
VANADIUM	7440622	0.000189	0.000189	0.000200	0.000200	0.011818	0.008859	0.007839	0.011818
1,3-butadiene	106990	0.011108	0.003879	0.005296	0.011108	0.622858	0.310367	0.260070	0.622858
acetaldehyde	75070	0.426809	0.147155	0.202075	0.426809	23.814352	11.746328	9.896340	23.814352
benzene	71432	0.146008	0.088871	0.055324	0.146008	9.043017	5.755977	2.712504	9.043017
ethylbenzene	100414	0.018814	0.007207	0.008526	0.018814	1.127568	0.625726	0.462226	1.127568
formaldehyde	50000	0.855600	0.295981	0.404511	0.855600	47.785924	23.635500	19.811701	47.785924
methanol	67561	0.001759	0.000618	0.000841	0.001759	0.098850	0.049465	0.041356	0.098850
methyl ethyl ketone (mek) (2-b	78933	0.085728	0.029554	0.040586	0.085728	4.783071	2.359009	1.987576	4.783071
m-xylene	108383	0.042137	0.021708	0.017283	0.042137	2.555063	1.547949	0.850960	2.555063
naphthalene	91203	0.005897	0.003175	0.002342	0.005897	0.357860	0.218301	0.114756	0.357860
n-hexane	110543	0.047191	0.045928	0.004536	0.047191	2.392256	2.132638	0.224186	2.392256
o-xylene	95476	0.023861	0.013555	0.009377	0.023861	1.534731	0.983421	0.530511	1.534731
propene	115071	0.213470	0.163315	0.071782	0.213470	13.791120	9.525210	3.519244	13.791120
p-xylene	106423	0.005514	0.001901	0.002610	0.005514	0.307629	0.151715	0.127831	0.307629
styrene	100425	0.003385	0.001178	0.001611	0.003385	0.189528	0.094189	0.079037	0.189528
toluene	108883	0.115713	0.081134	0.041272	0.115713	7.487932	5.063435	2.149201	7.487932
acrolein (2-propenal)	107028	0.000020	0.000019	0.000018	0.000020	0.001846	0.001685	0.001071	0.001846
Diesel PM	9901	2.934889	0.834321	1.758200	2.934889	148.373892	66.885102	75.462003	148.373892

Mitigated Proposed Project Project - Input for HARP Model

TAC	CAS	Phase 1 (lbs/hr)	Phase 2 (lbs/hr)	Phase 3 (lbs/hr)	Max (lbs/hr)	Phase 1 (lbs/70yr)	Phase 2 (lbs/70yr)	Phase 3 (lbs/70yr)	Max (lbs/70yr)
ARSENIC	7440382	0.000020	0.000011	0.000006	0.000020	0.001145	0.000698	0.000269	0.001145
BROMINE	7726956	0.000057	0.000039	0.000018	0.000057	0.003596	0.002462	0.000841	0.003596
CADMIUM	7440439	0.000114	0.000085	0.000036	0.000114	0.007379	0.005095	0.001630	0.007379
CHLORINE	7782505	0.001371	0.000831	0.000646	0.001371	0.089414	0.067163	0.029399	0.089414
CHROMIUM VI	18540299	0.000002	0.000001	0.000001	0.000002	0.000147	0.000103	0.000052	0.000147
COPPER	7440508	0.000143	0.000057	0.000034	0.000143	0.007103	0.003845	0.001627	0.007103
LEAD	7439921	0.000181	0.000092	0.000076	0.000181	0.010639	0.006642	0.003196	0.010639
MANGANESE	7439965	0.000507	0.000105	0.000120	0.000507	0.021366	0.008915	0.005611	0.021366
MERCURY	7439976	0.000088	0.000064	0.000027	0.000088	0.005623	0.003825	0.001222	0.005623
NICKEL	7440020	0.000060	0.000041	0.000021	0.000060	0.003843	0.002649	0.000954	0.003843
SELENIUM	7782492	0.000029	0.000021	0.000009	0.000029	0.001853	0.001267	0.000398	0.001853
SULFUR	7704349	0.038676	0.028223	0.011666	0.038676	2.465734	1.681925	0.529208	2.465734
SULFATES	9960	0.050938	0.037605	0.016083	0.050938	3.295870	2.311365	0.739050	3.295870
VANADIUM	7440622	0.000117	0.000063	0.000044	0.000117	0.006880	0.004321	0.001895	0.006880
1,3-butadiene	106990	0.011108	0.003879	0.004415	0.011108	0.622858	0.310367	0.199653	0.622858
acetaldehyde	75070	0.426809	0.147155	0.168031	0.426809	23.814352	11.746328	7.558204	23.814352
benzene	71432	0.146008	0.088871	0.046052	0.146008	9.043017	5.755977	2.076218	9.043017
ethylbenzene	100414	0.018814	0.007207	0.007111	0.018814	1.127568	0.625726	0.365241	1.127568
formaldehyde	50000	0.855600	0.295981	0.336383	0.855600	47.785924	23.635500	15.132885	47.785924
methanol	67561	0.001759	0.000618	0.000702	0.001759	0.098850	0.049465	0.031816	0.098850
methyl ethyl ketone (mek) (2-b	78933	0.085728	0.029554	0.033747	0.085728	4.783071	2.359009	1.517914	4.783071
m-xylene	108383	0.042137	0.021708	0.014443	0.042137	2.555063	1.547949	0.656671	2.555063
naphthalene	91203	0.005897	0.003175	0.001948	0.005897	0.357860	0.218301	0.087727	0.357860
n-hexane	110543	0.047191	0.045928	0.003804	0.047191	2.392256	2.132638	0.174263	2.392256
o-xylene	95476	0.023861	0.013555	0.007822	0.023861	1.534731	0.983421	0.423986	1.534731
propene	115071	0.213470	0.163315	0.059749	0.213470	13.791120	9.525210	2.693439	13.791120
p-xylene	106423	0.005514	0.001901	0.002170	0.005514	0.307629	0.151715	0.097622	0.307629
styrene	100425	0.003385	0.001178	0.001342	0.003385	0.189528	0.094189	0.060594	0.189528
toluene	108883	0.115713	0.081134	0.034435	0.115713	7.487932	5.063435	1.680811	7.487932
acrolein (2-propenal)	107028	0.000020	0.000019	0.000018	0.000020	0.001846	0.001685	0.001071	0.001846
Diesel PM	9901	2.488137	0.808775	0.857194	2.488137	128.868571	59.414270	39.470970	128.868571

	Al Larson Boat Shop Upgrade														
		Marine Work													
		Site Civil Work													
		Building Demolition													
					Duration	**Number**				**Offroad**	**Offroad**	**Peak Day**			
	Item	**Description**	**Quantity**		**Work**	**of**	**Major Equipment**	**Equipment**	**Hours/day or**	**Equipment**	**HP**	**ROG**	**PM10**	**Diesel PM**	
1					**Days**	**Workers**		**#**	**Miles/rountrip**	**Category**	*	**lbs/hr**	**lbs/hr**	9901	
2	**Phase 1 Construction (2011)**														
3															
4	1			SF	20	10									
5		**Demolish 200' creosote timber wharf**			20		Derrick Barge	1	8.0	Cranes	195	0.09	0.03		
6					20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		
7					20		Vibratory Hammer	1	8.0	Crushing/Proc. Equipment	175	0.22	0.10		
8					20		Track Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		
9		*Added by CDM*			20		Haul Trucks - Diesel	1	1.0	HHDT-DSL	NA	0.00	0.00		
10					20		Haul Trucks - Fugitive Dust	1	1.0	Dust		-	0.00		
11					20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		
12					20		*Workers - Dust*	10	0.5	Dust		-	0.00		
13					***Subtotal***							***1***	***0***	***0***	
14	2	**Demolish buildings D, C1, & H1**	3	each	60	10									
15					60		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		
16					60		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		
17					60		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		
18					60		Dump Trucks (2) - Dust		1.0	Dust		-	0.00		
19					60		*Demolition Dust*		8.0			-	0.01		
20					60		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		
21					60		*Workers - Dust*	10	0.5	Dust		-	0.00		
22					***Subtotal***							***0***	***0***	***0***	
23	3	**Install 24" Octagonal Prestressed**	32	each	15	7									
24		**Concrete Piles**			15		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		
25					15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		
26					15		Flat Barge - Deck Winch	1	8.0	Hoist/swing/winch	120	0.08	0.04		
27					15		Flat Barge - Generator 1	1	8.0	Generator Sets	229	0.14	0.05		
28					15		Flat Barge - Generator 2	1	8.0	Generator Sets	90	0.08	0.04		
29					15		Pile-driving Hammer	1	8.0	Generator Sets	190	0.11	0.04		
30					15		*Workers*	7	0.5	LDA-TOT	NA	0.00	0.00		
31					15		*Workers - Dust*	7	0.5	Dust		-	0.00		
32					***Subtotal***							***1***	***0***	***0***	
33	4	**Construct finger piers**	2	each	20	10									
34					20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		
35					15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		
36					20		Generator Sets	1	8.0	Generator Sets	500	0.21	0.08		
37					20		Air Compressors	1	8.0	Air Compressors	500	0.18	0.07		
38					20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		
39					20		*Workers - Dust*	10	0.5	Dust		-	0.00		
40					***Subtotal***							***1***	***0***	***0***	
41	5	**Install owner furnished 600 ton travel lift**	1	each	5	7									

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work	of	Major Equipment	Equipment	Hours/day or	Equipment	HP	ROG	PM10	Diesel PM
1					Days	Workers		#	Miles/rountrip	Category	*	lbs/hr	lbs/hr	9901
42					5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
43					5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04	
44					5		*Workers*	7	0.5	LDA-TOT	NA	0.00	0.00	
45					5		*Workers - Dust*	7	0.5	Dust		-	0.00	
46					***Subtotal***							***0***	***0***	***0***
47	6	**F & I steel sheet pile wall (CDF Cell**		LF	20	10								
48		**#1)**			20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
49					20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04	
50					20		Pile-driving Hammer	1	8.0	Generator Sets	190	0.11	0.04	
51					20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
52					20		*Workers - Dust*	10	0.5	Dust		-	0.00	
53					***Subtotal***							***0***	***0***	***0***
54	7	**Dredge to elevation -22**	3,000	CY	3	13								
55					3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	2.13	0.81	
56					3		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.12	0.04	
57					3		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.18	0.07	
58					3		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	0.12	0.05	
59					3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
60					3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
61					3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
62					3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
63					3		*Workers - Dust*	13	0.5	Dust		-	0.01	
64					***Subtotal***							***4***	***2***	***1***
65	8	**Stabilize dredge material**	3,000	CY	3	13								
66					3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
67					3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
68					3		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06	
69					2		Cement Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00	
70					2		Cement Trucks - Dust	1	1.0	Dust	NA	-	0.00	
71					3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
72					3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
73					3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
74					3		*Workers - Dust*	13	0.5	Dust		-	0.01	
75					***Subtotal***							***2***	***1***	***0***
76	9	**Dispose of Dredge material into CDF**	3,000	CY	3	13								
77		**#1**			3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
78					3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
79					3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
80					3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
81					3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
82					3		*Workers - Dust*	13	0.5	Dust		-	0.01	
83					***Subtotal***							***2***	***1***	***0***
84	10	**Import clean soil to bring upland elevation to street level**	1	LS	15	8								
85					15		Dump Trucks	7	1.0	HHDT-DSL	NA	0.02	0.01	
86					15		*Dust*	7	1.0	Dust	NA	-	0.01	

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work	of	Major Equipment	Equipment	Hours/day or	Equipment	HP	ROG	PM10	Diesel PM
1					Days	Workers		#	Miles/rountrip	Category	*	lbs/hr	lbs/hr	9901
87					15		Motor blade grader	1	8.0	Graders	175	0.16	0.07	
88					15		Drum roller	1	8.0	Rollers	175	0.14	0.06	
89					15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
90					15		*Workers - Dust*	8	0.5	Dust		-	0.00	
91					***Subtotal***							***0***	***0***	***0***
92	11	**Storm Water System w/ oil-water separator**	1	LS	20	8								
93					20		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
94					20		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
95					20		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
96					20		*Dust*	2	1.0	Dust	NA	-	0.00	
97					20		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
98					20		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
99					***Subtotal***							***0***	***0***	***0***
100	12	**Soil Export and Asphalt Removals**	1	LS	14	10								
101					14		Asphalt breaker	1	8.0	Crushing/Proc. Equipment	175	0.22	0.10	
102					14		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
103					14		Dump Trucks - Soil	7	1.0	HHDT-DSL	NA	1.79	0.82	
104					14		Dust	7	1.0	Dust	NA	1.11	0.51	
103					14		Dump Trucks - Concrete	4	1.0	HHDT-DSL	NA	0.01	0.01	
104					14		Dust	4	1.0	Dust	NA	-	0.00	
105					14		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
106					14		Dust	2	1.0	Dust	NA	-	0.00	
107					14		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
108					14		*Workers - Dust*	10	0.5	Dust		-	0.00	
109					***Subtotal***							***3***	***2***	***1***
110	13	**Grading**	1	LS	5	8								
111					5		Blade grader	1	8.0	Graders	175	0.16	0.07	
112					5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.20	
113					5		Roller (Smooth drum)	1	8.0	Rollers	175	0.14	0.06	
114					5		*Grading Fugitive Dust*	0.2	8.0			-	0.51	
115					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
116					5		*Workers - Dust*	8	0.5	Dust		-	0.00	
117					***Subtotal***							***1***	***1***	***0***
118	14	**Paving**	1	LS	5	8								
119					5		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
120					5		Asphalt paver	1	8.0	Pavers	175	0.20	0.09	
121					5		On-road Asphalt trucks	1	1.0	HHDT-DSL	NA	0.00	0.00	
122					5		Dust	1	1.0	Dust	NA	-	0.00	
123					5		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
124					5		Dust	2	1.0	Dust	NA	-	0.00	
125					5		*Paving Fugitive VOC*	0.2	8.0			0.07	-	
126					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
127					5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
128					***Subtotal***							***0***	***0***	***0***
129	15	**Lighting Improvements**	1	LS	15	8								

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work	of	Major Equipment	Equipment	Hours/day or	Equipment	HP	ROG	PM10	Diesel PM
1					Days	Workers		#	Miles/rountrip	Category	*	lbs/hr	lbs/hr	9901
130					15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
131					15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
132					15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
133						***Subtotal***						***0***	***0***	***0***
134	16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**			100	N/A								
135					100		Service trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00	
136					100		Dust	2	1.0	Dust	NA	-	0.00	
137						***Subtotal***						***0.01***	***0.00***	***0.00***
138	Total				323							17	8	5.2.E+00
139														
140	**Phase 2 Construction**													
141														
142	1	**Demolish finger piers**	2	each	10	10								
143					10		Derrick Barge	1	8.0	Cranes	195	0.09	0.03	
144					10		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04	
145					10		Vibratory Hammer	1	8.0	Concrete/Industrial Saws	45	0.10	0.03	
146					10		Track Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
147					10		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
148					10		*Workers - Dust*	10	0.5	Dust		-	0.00	
149						***Subtotal***						***0***	***0***	***0***
150	2	**Dredge to elevation -22**	16,000	CY	10	13								
151					10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
152					10		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.12	0.04	
153					10		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.18	0.07	
154					10		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	0.12	0.05	
155					10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
156					10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
157					10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
158					10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
159					10		*Workers - Dust*	13	0.5	Dust		-	0.01	
160						***Subtotal***						***2***	***1***	***0***
161	3	**Stabilize dredge material**	16,000	CY	10	13								
162					10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
163					10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
164					10		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06	
165					4		Cement Trucks	2	1.0	HHDT-DSL	NA	0.01	0.00	
166					4		Dust	2	1.0	Dust	NA	-	0.00	
167					10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
168					10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
169					10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
170					10		*Workers - Dust*	13	0.5	Dust		-	0.01	
171						***Subtotal***						***2***	***1***	***0***
172	4	**Dispose of Dredge material into CDF #1**	16,000	CY	10	13								
173					10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work Days	of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Equipment Category	HP *	ROG lbs/hr	PM10 lbs/hr	Diesel PM 9901
1														
174					10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09	
175					10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66	
176					10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12	
177					10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00	
178					10		*Workers - Dust*	13	0.5	Dust		-	0.01	
179					***Subtotal***							***2***	***1***	***0***
180	5	**F & I steel sheet pile wall (CDF Cell**		LF	20	10								
181		**#2)**			20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10	
182					20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04	
183					20		Pile Driving Hammer	1	8.0	Generator Sets	190	0.11	0.04	
184					20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
185					20		*Workers - Dust*	10	0.5	Dust		-	0.00	
186					***Subtotal***							***0***	***0***	***0***
187	6	**Demolish building H2**	1	each	30	8								
188					30		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06	
189					30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
190					30		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00	
191					30		*Dust*	2	1.0	Dust	NA	-	0.00	
192					30		*Demolition Dust*		8.0			-	0.00	
193					30		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
194					30		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
195					***Subtotal***							***0***	***0***	***0***
196	7		1	LS	15	8								
197		**Import clean soil to bring upland**			15		Dump Trucks - Soil	9	1.0	HHDT-DSL	NA	0.02	0.01	
198		**elevation to cell elevation and**			15		Dust	9	1.0	Dust	NA	-	0.01	
199		**Trench back fill**			15		Motor blade grader	1	8.0	Graders	175	0.16	0.07	
200					15		Drum roller	1	8.0	Rollers	175	0.14	0.06	
201					15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
202					15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
203					***Subtotal***							***0***	***0***	***0***
204	8	**Storm Water System w/ oil-water**	1	LS	10	8								
205		**separator**			10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
206					10		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
207					10		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.01	0.00	
208					10		Dust	2	1.0	Dust	NA	-	0.00	
209					10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
210					10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
211					***Subtotal***							***0***	***0***	***0***
212	9	**Soil Export and Asphalt Removals**		LS	5	10								
213					5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	0.12	0.07	
214					5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
215					5		Dump Trucks - Soil	28	1.0	HHDT-DSL	NA	0.08	0.05	
216					5		Dust	28	1.0	Dust	NA	-	0.02	
215					5		Dump Trucks - Concrete	4	1.0	HHDT-DSL	NA	0.00	0.00	
216					5		Dust	4	1.0	Dust	NA	-	0.00	
217					5		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work Days	of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Equipment Category	HP *	ROG lbs/hr	PM10 lbs/hr	Diesel PM 9901
218							Dust	2	1.0	Dust	NA	-	0.00	
219					5		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
220					5		*Workers - Dust*	10	0.5	Dust	NA	-	0.00	
221					***Subtotal***							***0***	***0***	***0***
222	10	**Grading**	1	LS	5	8								
223					5		Blade grader	1	8.0	Graders	175	0.16	0.07	
224					5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.20	
225					5		Roller (Smooth drum)	1	8.0	Rollers	175	0.14	0.06	
226					5		*Grading Fugitive Dust*	0.14	8.0			-	0.51	
227					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
228					5		*Workers - Dust*	8	0.5	Dust		-	0.00	
229					***Subtotal***							***1***	***1***	***0***
230	11	**Paving**	1	LS	5	8								
231					5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
232					5		Asphalt Paver	1	8.0	Pavers	175	0.20	0.09	
233					5		Onroad Asphalt Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00	
234					5		Dust	1	1.0	Dust	NA	-	0.00	
235					5		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
236					5		Dust	2	1.0	Dust	NA	-	0.00	
237					5		*Paving Fugitive VOC*	0.14	8.0			0.07	-	
238					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
239					5		*Workers - Dust*	8	0.5	Dust		-	0.00	
240					***Subtotal***							***0***	***0***	***0***
241	12	**Lighting Improvements**	1	LS	15	8								
242					15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
243					15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
244					15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
245					***Subtotal***							***0***	***0***	***0***
246	13	**Service Vehicles and Deliveries**	1	LS	70	N/A								
247					70		Service Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00	
248					70			2	1.0	Dust	NA	-	0.00	
249					***Subtotal***							***0***	***0***	**0.00**
250	**Total**				215							10	5	2.3.E+00
251														
252	**Phase 3 Construction**													
253														
254	1	**Demolish buildings A2 & A3**	2	each	30	10								
255					30		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06	
256					30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
257					30		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00	
258					30		Dust	2	1.0	Dust	NA	-	0.00	
259					30		*Demolition Dust*		8.0			-	0.01	
260					30		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
261					30		*Workers - Dust*	10	0.5	Dust	NA	-	0.00	
262					***Subtotal***							***0***	***0***	**0.13**

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work Days	of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Equipment Category	HP *	ROG lbs/hr	PM10 lbs/hr	Diesel PM 9901
263	2		1	LS	10	8							-	
264		Import clean soil to bring upland			10		Dump Trucks	14	1.0	HHDT-DSL	NA	0.04	0.02	
265		elevation to street level, trench			10		Dust	14	1.0	Dust	NA	-	0.01	
266		backfill			10		Motor Blade Grader	1	8.0	Graders	175	0.16	0.07	
267					10		Drum Roller	1	8.0	Rollers	175	0.14	0.06	
268					10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
269					10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
270					***Subtotal***							***0***	***0***	***0***
271	3	Storm Water System w/ oil-water	1	LS	10	8								
272		separator			10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
273					10		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
274					10		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
275					10		Dust	2	1.0	Dust	NA	-	0.00	
276					10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
277					10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
278					***Subtotal***							***0***	***0***	***0***
279	4	Soil Export and Asphalt Removals		LS	5	10								
280					5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	0.12	0.07	
281					5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06	
282					5		Dump Trucks - Soil	28	8.0	HHDT-DSL	NA	1.11	0.51	
283					5		Dust	28	8.0	Dust	NA	1.11	0.51	
282					5		Dump Trucks - Concrete	9	1.0	HHDT-DSL	NA	0.02	0.01	
283					5		Dust	9	1.0	Dust	NA	-	0.01	
284					5		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
285					5		Dust	2	1.0	Dust	NA	-	0.00	
286					5		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00	
287					5		*Workers - Dust*	10	0.5	Dust	NA	-	0.00	
288					***Subtotal***							***3***	***1***	***1***
289	5	Grading	1	LS	5	8								
290					5		Blade Grader	1	8.0	Graders	175	0.16	0.07	
291					5		Small Dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.20	
292					5		Roller (Smooth Drum)	1	8.0	Rollers	175	0.14	0.06	
293					5		*Grading Fugitive Dust*	0.12	8.0			-	0.51	
294					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
295					5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	
296					***Subtotal***							***1***	***1***	***0***
297	6	Paving	1	LS	5	8								
298					5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
299					5		Asphalt Paver	1	8.0	Pavers	175	0.20	0.09	
300					5		Onroad Asphalt Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00	
301							Dust	1	1.0	Dust	NA	-	0.00	
302					5		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00	
303							Dust	2	1.0	Dust	NA	-	0.00	
304					5		*Paving Fugitive VOC*	0.12	8.0			0.07	-	
305					5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00	
306					5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00	

					Duration	Number				Offroad	Offroad	Peak Day		
	Item	Description	Quantity		Work Days	of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Equipment Category	HP *	ROG lbs/hr	PM10 lbs/hr	Diesel PM 9901
307			***Subtotal***									***0***	***0***	***0***
308	7	**Lighting Improvements**	1	LS	15	5							-	
309					15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
310					15		*Workers*	5	0.5	LDA-TOT	NA	0.00	0.00	
311					15		*Workers - Dust*	5	0.5	Dust	NA	-	0.00	
312			***Subtotal***									***0***	***0***	***0***
313	8	**Existing Utility Protection**	1	LS	5	5							-	
314					5		Trenching Machine	1	8.0	Trenchers	175	0.21	0.10	
315					5		*Workers*	5	0.5	LDA-TOT	NA	0.00	0.00	
316					5		*Workers - Dust*	5	0.5	Dust	NA	-	0.00	
317			***Subtotal***									***0***	***0***	***0***
318	9	**Construct Buildings to replace buildings A2, A3, C1, & D**	1	LS	180	15	Compressor (3)	3	8.0	Air Compressors	120	0.29	0.16	
319					20		Flatbed Truck (20 days)	1	1.0	HHDT-DSL	NA	0.00	0.00	
320					20		Dust	1	1.0	Dust	NA	-	0.00	
321					9		Cement Trucks	2	1.0	HHDT-DSL	NA	0.01	0.00	
322					9		Dust	2	1.0	Dust	NA	-	0.00	
323					90		Boom Truck (90 days)	1	8.0	Off-Highway Trucks	500	0.24	0.08	
324					180		Small Loader	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05	
325					180		Small Crane	1	8.0	Cranes	175	0.11	0.05	
326					180		Large Fork Lift	1	8.0	Forklifts	500	0.08	0.03	
327					180		*Workers*	15	0.5	LDA-TOT	NA	0.00	0.00	
328					180		*Workers - Dust*	15	0.5	Dust	NA	-	0.01	
329			***Subtotal***									***1***	***0***	***0***
330	10	**Service Vehicles and Deliveries**	1	LS	70	N/A								
331					70		Service Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00	
332					70		Dust	2	1.0	Dust	NA	-	0.00	
333			***Subtotal***									***0***	***0***	***0***
334	Total				335							6	3	3.E+00

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Cranes	1.67E-07	6.01E-07	1.33E-06	1.15E-05	2.00E-08	8.34E-07	1.40E-06	1.33E-06	1.00E-06	6.34E-07	3.34E-07	4.43E-04	5.82E-04	9.68E-07	1.73E-04	6.71E-03	1.83E-03	2.78E-04	1.34E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Crushing/Proc. Equipment	5.11E-07	1.84E-06	4.09E-06	3.52E-05	6.13E-08	2.55E-06	4.29E-06	4.09E-06	3.07E-06	1.94E-06	1.02E-06	1.36E-03	1.78E-03	2.96E-06	4.24E-04	1.64E-02	4.47E-03	6.81E-04	3.28E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	2.04E-04	5.55E-05	8.47E-06	4.08E-04
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.29E-06	**4.65E-06**	**9.80E-06**	**1.13E-04**	**1.60E-07**	**7.03E-06**	**1.09E-05**	**1.39E-05**	**7.39E-06**	**4.89E-06**	**2.46E-06**	**3.26E-03**	**4.45E-03**	**7.45E-06**	**1.11E-03**	**4.22E-02**	**1.16E-02**	**1.78E-03**	**8.45E-02**
Excavators	3.13E-07	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	1.20E-07	1.75E-07	1.95E-07	2.13E-05	6.55E-08	6.90E-07	3.51E-06	5.75E-06	1.00E-07	3.80E-07	1.50E-08	1.86E-05	2.95E-05	1.66E-06	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	7.87E-07	**2.70E-06**	**5.36E-06**	**9.26E-05**	**1.54E-07**	**4.35E-06**	**9.13E-06**	**1.24E-05**	**3.99E-06**	**3.04E-06**	**1.31E-06**	**1.74E-03**	**2.45E-03**	**5.51E-06**	**5.53E-04**	**2.07E-02**	**5.72E-03**	**8.93E-04**	**4.15E-02**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Hoist/swing/winch	1.77E-07	6.38E-07	1.42E-06	1.22E-05	2.13E-08	8.87E-07	1.49E-06	1.42E-06	1.06E-06	6.74E-07	3.55E-07	4.71E-04	6.18E-04	1.03E-06	1.48E-04	5.73E-03	1.56E-03	2.38E-04	1.15E-02
Generator Sets	2.55E-07	9.19E-07	2.04E-06	1.76E-05	3.06E-08	1.28E-06	2.14E-06	2.04E-06	1.53E-06	9.70E-07	5.11E-07	6.77E-04	8.90E-04	1.48E-06	2.58E-04	9.98E-03	2.72E-03	4.14E-04	2.00E-02
Generator Sets	1.78E-07	6.42E-07	1.43E-06	1.23E-05	2.14E-08	8.91E-07	1.50E-06	1.43E-06	1.07E-06	6.77E-07	3.56E-07	4.73E-04	6.21E-04	1.03E-06	1.53E-04	5.94E-03	1.62E-03	2.46E-04	1.19E-02
Generator Sets	2.12E-07	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	-	1.30E-07	-	1.82E-05	6.51E-09	1.30E-07	-	1.30E-07	-	1.30E-07	-	-	1.17E-04	-	1.19E-05	6.07E-06	5.37E-05	2.28E-05	3.43E-05
Dust	3.71E-08	3.43E-08	8.57E-09	1.52E-06	2.43E-09	4.23E-07	3.54E-07	2.28E-06	2.57E-08	3.43E-08	5.71E-09	8.94E-06	7.69E-06	2.03E-07	-	-	-	-	-
	1.59E-06	**5.74E-06**	**1.24E-05**	**1.26E-04**	**1.95E-07**	**8.29E-06**	**1.34E-05**	**1.48E-05**	**9.31E-06**	**6.05E-06**	**3.1E-06**	**4.12E-03**	**5.52E-03**	**9.18E-06**	**1.51E-03**	**5.81E-02**	**1.59E-02**	**2.43E-03**	**1.16E-01**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	4.15E-07	1.49E-06	3.32E-06	2.85E-05	4.98E-08	2.07E-06	3.48E-06	3.32E-06	2.49E-06	1.58E-06	8.29E-07	1.10E-03	1.45E-03	2.40E-06	4.00E-04	1.55E-02	4.22E-03	6.43E-04	3.10E-02
Air Compressors	3.41E-07	1.23E-06	2.73E-06	2.34E-05	4.09E-08	1.70E-06	2.86E-06	2.73E-06	2.04E-06	1.29E-06	6.81E-07	9.04E-04	1.19E-03	1.98E-06	3.44E-04	1.33E-02	3.62E-03	5.52E-04	2.66E-02
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.48067E-06	**5.52E-06**	**1.18E-05**	**1.28E-04**	**1.87E-07**	**7.59E-06**	**1.24E-05**	**1.20E-05**	**8.88E-06**	**5.81E-06**	**2.96E-06**	**3.93E-03**	**5.33E-03**	**8.59E-06**	**1.49E-03**	**5.70E-02**	**1.56E-02**	**2.40E-03**	**1.14E-01**

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
LDA-TOT	-	1.30E-07	-	1.82E-05	6.51E-09	1.30E-07	-	1.30E-07	-	1.30E-07	-	-	1.17E-04	-	1.19E-05	6.07E-06	5.37E-05	2.28E-05	3.43E-05
Dust	3.71E-08	3.43E-08	8.57E-09	1.52E-06	2.43E-09	4.23E-07	3.54E-07	2.28E-06	2.57E-08	3.43E-08	5.71E-09	8.94E-06	7.69E-06	2.03E-07	-	-	-	-	-
	7.62E-07	**2.78E-06**	**5.81E-06**	**6.97E-05**	**9.6E-08**	**4.18E-06**	**6.45E-06**	**8.22E-06**	**4.38E-06**	**2.92E-06**	**1.46E-06**	**0.001934**	**0.002653**	**4.41E-06**	**0.000741**	**0.028207**	**0.007728**	**0.001193**	**0.056466**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	2.12E-07	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	9.90E-07	**3.61E-06**	**7.51E-06**	**9.27E-05**	**1.25E-07**	**5.48E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.8E-06**	**1.88E-06**	**0.0025**	**0.003445**	**5.72E-06**	**0.00096**	**0.036488**	**0.010004**	**0.001546**	**0.073048**
Hoist/swing/winch	4.03E-06	1.45E-05	3.22E-05	2.77E-04	4.83E-07	2.01E-05	3.38E-05	3.22E-05	2.42E-05	1.53E-05	8.06E-06	1.07E-02	1.40E-02	2.34E-05	4.05E-03	1.57E-01	4.26E-02	6.49E-03	3.13E-01
Hoist/swing/winch	2.15E-07	7.75E-07	1.72E-06	1.48E-05	2.58E-08	1.08E-06	1.81E-06	1.72E-06	1.29E-06	8.18E-07	4.31E-07	5.72E-04	7.51E-04	1.25E-06	2.20E-04	8.53E-03	2.32E-03	3.54E-04	1.71E-02
Generator Sets	3.58E-07	1.29E-06	2.87E-06	2.46E-05	4.30E-08	1.79E-06	3.01E-06	2.87E-06	2.15E-06	1.36E-06	7.16E-07	9.51E-04	1.25E-03	2.08E-06	3.46E-04	1.34E-02	3.64E-03	5.55E-04	2.68E-02
Generator Sets	2.67E-07	9.62E-07	2.14E-06	1.84E-05	3.21E-08	1.34E-06	2.25E-06	2.14E-06	1.60E-06	1.02E-06	5.35E-07	7.09E-04	9.32E-04	1.55E-06	2.30E-04	8.91E-03	2.42E-03	3.69E-04	1.78E-02
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	9.25E-06	**3.34E-05**	**7.35E-05**	**6.68E-04**	**1.12E-06**	**4.69E-05**	**7.78E-05**	**7.79E-05**	**5.51E-05**	**3.52E-05**	**1.84E-05**	**0.024383**	**0.032237**	**5.36E-05**	**0.00531**	**0.204671**	**0.085299**	**0.009488**	**0.410972**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
Excavators	3.13E-07	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	5.22E-06	**1.88E-05**	**4.11E-05**	**0.000391**	**6.34E-07**	**2.68E-05**	**4.39E-05**	**4.62E-05**	**3.09E-05**	**1.98E-05**	**1.03E-05**	**0.01365**	**0.018139**	**3.02E-05**	**0.00124**	**0.047144**	**0.04243**	**0.002954**	**0.095746**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	4.88E-06	**1.76E-05**	**3.85E-05**	**0.000368**	**5.94E-07**	**2.51E-05**	**4.11E-05**	**4.3E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**0.012795**	**0.017017**	**2.83E-05**	**0.000974**	**0.03684**	**0.039626**	**0.002526**	**0.075128**
HHDT-DSL	5.79E-08	2.08E-07	4.63E-07	3.98E-06	6.94E-09	2.89E-07	4.86E-07	4.63E-07	3.47E-07	2.2E-07	1.16E-07	0.000154	0.000202	3.36E-07	3.69E-05	0.001429	0.000389	5.93E-05	0.002859
Dust	7.42E-08	6.85E-08	1.71E-08	3.04E-06	4.85E-09	8.45E-07	7.08E-07	4.57E-06	5.14E-08	6.85E-08	1.14E-08	1.79E-05	1.54E-05	4.05E-07	-	-	-	-	-

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	8.63E-07	**2.94E-06**	**6E-06**	**7.7E-05**	**1.05E-07**	**5.21E-06**	**7.38E-06**	**1.33E-05**	**4.56E-06**	**3.09E-06**	**1.51E-06**	**0.002008**	**0.002759**	**4.96E-06**	**0.000628**	**0.023803**	**0.006537**	**0.001013**	**0.047657**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	8.05E-07	**2.99E-06**	**5.95E-06**	**9.02E-05**	**1.06E-07**	**4.69E-06**	**6.83E-06**	**1.01E-05**	**4.49E-06**	**3.14E-06**	**1.49E-06**	**0.001983**	**0.002833**	**4.65E-06**	**0.000645**	**0.024147**	**0.006666**	**0.001043**	**0.04836**
Crushing/Proc. Equipment	5.11E-07	1.84E-06	4.09E-06	3.52E-05	6.13E-08	2.55E-06	4.29E-06	4.09E-06	3.07E-06	1.94E-06	1.02E-06	1.36E-03	1.78E-03	2.96E-06	4.24E-04	1.64E-02	4.47E-03	6.81E-04	3.28E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	4.09E-06	1.47E-05	3.27E-05	0.000281	4.9E-07	2.04E-05	3.43E-05	3.27E-05	2.45E-05	1.55E-05	8.17E-06	0.010847	0.014248	2.37E-05	0.003393	0.131317	0.035736	0.005447	0.262776
Dust	6.57E-06	6.07E-06	1.52E-06	2.69E-04	4.30E-07	7.48E-05	6.27E-05	4.04E-04	4.55E-06	6.07E-06	1.01E-06	1.58E-03	1.36E-03	3.59E-05	-	-	-	-	-
HHDT-DSL	3.31E-08	1.19E-07	2.65E-07	2.28E-06	3.97E-09	1.65E-07	2.78E-07	2.65E-07	1.98E-07	1.26E-07	6.61E-08	8.78E-05	0.000115	1.92E-07	2.11E-05	0.000816	0.000222	3.39E-05	0.001634
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.16E-05	**2.43E-05**	**4.11E-05**	**0.000656**	**1.05E-06**	**0.000101**	**0.000105**	**0.000452**	**3.43E-05**	**2.53E-05**	**1.09E-05**	**0.01474**	**0.018899**	**6.52E-05**	**0.004128**	**0.15879**	**0.043322**	**0.006634**	**0.317799**
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	9.97E-07	3.59E-06	7.97E-06	6.86E-05	1.20E-07	4.98E-06	8.37E-06	7.97E-06	5.98E-06	3.79E-06	1.99E-06	2.64E-03	3.47E-03	5.78E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.22E-05	1.78E-05	1.98E-05	2.16E-03	6.65E-06	7.01E-05	3.56E-04	5.84E-04	1.02E-05	3.86E-05	1.52E-06	1.89E-03	2.99E-03	1.68E-04	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	1.39E-05	**2.4E-05**	**3.33E-05**	**0.002296**	**6.86E-06**	**7.91E-05**	**0.00037**	**0.0006**	**2.03E-05**	**4.52E-05**	**4.9E-06**	**0.006368**	**0.009009**	**0.000178**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	4.34E-07	1.56E-06	3.47E-06	2.99E-05	5.21E-08	2.17E-06	3.65E-06	3.47E-06	2.60E-06	1.65E-06	8.68E-07	1.15E-03	1.51E-03	2.52E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	7.81E-07	**2.88E-06**	**5.67E-06**	**8.83E-05**	**1.03E-07**	**4.64E-06**	**6.65E-06**	**1.05E-05**	**4.29E-06**	**3.02E-06**	**1.43E-06**	**0.001894**	**0.002715**	**4.51E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	5.19E-07	**1.9E-06**	**3.82E-06**	**5.54E-05**	**6.74E-08**	**3.01E-06**	**4.41E-06**	**6.57E-06**	**2.89E-06**	**2E-06**	**9.6E-07**	**0.001275**	**0.001804**	**3E-06**	**0.000422**	**0.015805**	**0.004361**	**0.000681**	**0.031653**
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	3.77E-08	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	5.5.E-05	**1.5.E-04**	**3.0.E-04**	**5.3.E-03**	**1.2.E-05**	**3.3.E-04**	**7.2.E-04**	**1.3.E-03**	**2.3.E-04**	**1.8.E-04**	**7.3.E-05**	**9.7.E-02**	**1.3.E-01**	**4.1.E-04**	**2.2.E-02**	**8.3.E-01**	**3.2.E-01**	**3.9.E-02**	**1.7.E+00**
Cranes	1.67E-07	6.01E-07	1.33E-06	1.15E-05	2.00E-08	8.34E-07	1.40E-06	1.33E-06	1.00E-06	6.34E-07	3.34E-07	4.43E-04	5.82E-04	9.68E-07	1.73E-04	6.71E-03	1.83E-03	2.78E-04	1.34E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Concrete/Industrial Saws	1.28E-07	4.60E-07	1.02E-06	8.79E-06	1.53E-08	6.39E-07	1.07E-06	1.02E-06	7.67E-07	4.86E-07	2.56E-07	3.39E-04	4.45E-04	7.41E-07	1.95E-04	7.53E-03	2.05E-03	3.12E-04	1.51E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	8.85E-07	**3.23E-06**	**6.67E-06**	**8.55E-05**	**1.13E-07**	**4.95E-06**	**7.5E-06**	**1.01E-05**	**5.03E-06**	**3.4E-06**	**1.67E-06**	**0.002222**	**0.00308**	**5.12E-06**	**0.000872**	**0.033106**	**0.009084**	**0.001405**	**0.066279**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.15E-07	7.75E-07	1.72E-06	1.48E-05	2.58E-08	1.08E-06	1.81E-06	1.72E-06	1.29E-06	8.18E-07	4.31E-07	5.72E-04	7.51E-04	1.25E-06	2.20E-04	8.53E-03	2.32E-03	3.54E-04	1.71E-02
Generator Sets	3.58E-07	1.29E-06	2.87E-06	2.46E-05	4.30E-08	1.79E-06	3.01E-06	2.87E-06	2.15E-06	1.36E-06	7.16E-07	9.51E-04	1.25E-03	2.08E-06	3.46E-04	1.34E-02	3.64E-03	5.55E-04	2.68E-02
Generator Sets	2.67E-07	9.62E-07	2.14E-06	1.84E-05	3.21E-08	1.34E-06	2.25E-06	2.14E-06	1.60E-06	1.02E-06	5.35E-07	7.09E-04	9.32E-04	1.55E-06	2.30E-04	8.91E-03	2.42E-03	3.69E-04	1.78E-02
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	5.73E-06	**2.07E-05**	**4.53E-05**	**0.000426**	**6.95E-07**	**2.93E-05**	**4.82E-05**	**4.97E-05**	**3.4E-05**	**2.18E-05**	**1.13E-05**	**0.015027**	**0.019948**	**3.32E-05**	**0.00177**	**0.067664**	**0.048015**	**0.003805**	**0.136809**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
Excavators	3.13E-07	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	5.23E-06	**1.88E-05**	**4.12E-05**	**0.000392**	**6.35E-07**	**2.7E-05**	**4.41E-05**	**4.69E-05**	**3.09E-05**	**1.99E-05**	**1.03E-05**	**0.013675**	**0.01817**	**3.03E-05**	**0.001245**	**0.047348**	**0.042486**	**0.002962**	**0.096155**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Hoist/swing/winch	4.43E-07	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	3.28E-06	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	5.88E-07	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	-	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.89E-08	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	4.88E-06	**1.76E-05**	**3.85E-05**	**0.000368**	**5.94E-07**	**2.51E-05**	**4.11E-05**	**4.3E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**0.012795**	**0.017017**	**2.83E-05**	**0.000974**	**0.03684**	**0.039626**	**0.002526**	**0.075128**
Hoist/swing/winch	5.04E-07	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	2.22E-07	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	2.12E-07	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	9.90E-07	**3.61E-06**	**7.51E-06**	**9.27E-05**	**1.25E-07**	**5.48E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.8E-06**	**1.88E-06**	**0.0025**	**0.003445**	**5.72E-06**	**0.00096**	**0.036488**	**0.010004**	**0.001546**	**0.073048**
Excavators	3.13E-07	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	3.00E-08	4.38E-08	4.88E-08	5.31E-06	1.64E-08	1.73E-07	8.76E-07	1.44E-06	2.50E-08	9.50E-08	3.75E-09	4.64E-06	7.37E-06	4.14E-07	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	7.39E-07	**2.58E-06**	**5.23E-06**	**7.32E-05**	**1.05E-07**	**4.27E-06**	**6.91E-06**	**1.07E-05**	**3.94E-06**	**2.76E-06**	**1.3E-06**	**0.001733**	**0.002405**	**4.51E-06**	**0.000549**	**0.020744**	**0.005705**	**0.000886**	**0.041536**
HHDT-DSL	7.44E-08	2.68E-07	5.95E-07	5.12E-06	8.93E-09	3.72E-07	6.25E-07	5.95E-07	4.46E-07	2.83E-07	1.49E-07	0.000197	0.000259	4.32E-07	4.75E-05	0.001837	0.0005	7.62E-05	0.003676
Dust	9.54E-08	8.81E-08	2.20E-08	3.91E-06	6.24E-09	1.09E-06	9.10E-07	5.87E-06	6.61E-08	8.81E-08	1.47E-08	2.30E-05	1.98E-05	5.21E-07	-	-	-	-	-
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	9.01E-07	**3.02E-06**	**6.13E-06**	**7.9E-05**	**1.08E-07**	**5.53E-06**	**7.72E-06**	**1.47E-05**	**4.67E-06**	**3.17E-06**	**1.55E-06**	**0.002057**	**0.002821**	**5.18E-06**	**0.000639**	**0.024211**	**0.006648**	**0.00103**	**0.048474**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	-	1.65E-06	-	2.31E-04	8.27E-08	1.65E-06	-	1.65E-06	-	1.65E-06	-	-	1.49E-03	-	2.87E-05	1.47E-05	1.30E-04	5.52E-05	8.32E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	8.05E-07	**4.53E-06**	**5.95E-06**	**0.000306**	**1.83E-07**	**6.23E-06**	**6.83E-06**	**1.16E-05**	**4.49E-06**	**4.68E-06**	**1.49E-06**	**0.001983**	**0.00422**	**4.65E-06**	**0.000666**	**0.024157**	**0.00676**	**0.001082**	**0.04842**
Concrete/Industrial Saws	3.42E-07	1.23E-06	2.73E-06	2.35E-05	4.10E-08	1.71E-06	2.87E-06	2.73E-06	2.05E-06	1.30E-06	6.84E-07	9.07E-04	1.19E-03	1.98E-06	2.37E-04	9.16E-03	2.49E-03	3.80E-04	1.83E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	2.31E-07	8.33E-07	1.85E-06	1.59E-05	2.78E-08	1.16E-06	1.94E-06	1.85E-06	1.39E-06	8.8E-07	4.63E-07	0.000614	0.000807	1.34E-06	0.000148	0.005714	0.001555	0.000237	0.011435
Dust	2.97E-07	2.74E-07	6.85E-08	1.22E-05	1.94E-08	3.38E-06	2.83E-06	1.83E-05	2.06E-07	2.74E-07	4.57E-08	7.15E-05	6.15E-05	1.62E-06	-	-	-	-	-
HHDT-DSL	1.12E-09	4.05E-09	8.99E-09	7.74E-08	1.35E-10	5.62E-09	9.44E-09	8.99E-09	6.75E-09	4.27E-09	2.25E-09	2.98E-06	3.92E-06	6.52E-09	2.93E-06	0.000113	3.09E-05	4.71E-06	0.000227
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.28E-06	**3.87E-06**	**7.21E-06**	**0.000119**	**1.47E-07**	**9.22E-06**	**1.12E-05**	**3.16E-05**	**5.61E-06**	**4.04E-06**	**1.84E-06**	**0.002458**	**0.003454**	**7.31E-06**	**0.000677**	**0.025233**	**0.006976**	**0.001094**	**0.05054**
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	9.97E-07	3.59E-06	7.97E-06	6.86E-05	1.20E-07	4.98E-06	8.37E-06	7.97E-06	5.98E-06	3.79E-06	1.99E-06	2.64E-03	3.47E-03	5.78E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.22E-05	1.78E-05	1.98E-05	2.16E-03	6.65E-06	7.01E-05	3.56E-04	5.84E-04	1.02E-05	3.86E-05	1.52E-06	1.89E-03	2.99E-03	1.68E-04	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	1.39E-05	**2.4E-05**	**3.33E-05**	**0.002296**	**6.86E-06**	**7.91E-05**	**0.00037**	**0.0006**	**2.03E-05**	**4.52E-05**	**4.9E-06**	**0.006368**	**0.009009**	**0.000178**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	4.34E-07	1.56E-06	3.47E-06	2.99E-05	5.21E-08	2.17E-06	3.65E-06	3.47E-06	2.60E-06	1.65E-06	8.68E-07	1.15E-03	1.51E-03	2.52E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	7.81E-07	**2.88E-06**	**5.67E-06**	**8.83E-05**	**1.03E-07**	**4.64E-06**	**6.65E-06**	**1.05E-05**	**4.29E-06**	**3.02E-06**	**1.43E-06**	**0.001894**	**2.72E-03**	**4.51E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	5.19E-07	**1.9E-06**	**3.82E-06**	**5.54E-05**	**6.74E-08**	**3.01E-06**	**4.41E-06**	**6.57E-06**	**2.89E-06**	**2E-06**	**9.6E-07**	**0.001275**	**0.001804**	**3E-06**	**0.000422**	**0.015805**	**0.004361**	**0.000681**	**0.031653**
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	3.77E-08	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	3.7.E-05	**1.1.E-04**	**2.1.E-04**	**4.4.E-03**	**9.7.E-06**	**2.0.E-04**	**5.6.E-04**	**8.5.E-04**	**1.5.E-04**	**1.3.E-04**	**4.8.E-05**	**6.4.E-02**	**8.8.E-02**	**3.1.E-04**	**1.1.E-02**	**4.1.E-01**	**2.0.E-01**	**2.2.E-02**	**8.3.E-01**
Excavators	3.13E-07	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	3.00E-07	4.38E-07	4.88E-07	5.31E-05	1.64E-07	1.73E-06	8.76E-06	1.44E-05	2.50E-07	9.50E-07	3.75E-08	4.64E-05	7.37E-05	4.14E-06	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.02E-06	**3.02E-06**	**5.67E-06**	**1.27E-04**	**2.55E-07**	**5.98E-06**	**1.49E-05**	**2.43E-05**	**4.17E-06**	**3.66E-06**	**1.34E-06**	**0.001777**	**0.002507**	**8.29E-06**	**0.000553**	**0.020746**	**0.00572**	**0.000893**	**0.041546**

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
HHDT-DSL	1.16E-07	4.17E-07	9.26E-07	7.96E-06	1.39E-08	5.79E-07	9.72E-07	9.26E-07	6.94E-07	4.4E-07	2.31E-07	0.000307	0.000403	6.71E-07	7.38E-05	0.002857	0.000778	0.000119	0.005718
Dust	1.48E-07	1.37E-07	3.43E-08	6.09E-06	9.71E-09	1.69E-06	1.42E-06	9.14E-06	1.03E-07	1.37E-07	2.28E-08	3.58E-05	3.07E-05	8.11E-07	-	-	-	-	-
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	9.95E-07	**3.22E-06**	**6.48E-06**	**8.4E-05**	**1.16E-07**	**6.34E-06**	**8.57E-06**	**1.83E-05**	**4.96E-06**	**3.38E-06**	**1.64E-06**	**0.00218**	**0.002976**	**5.71E-06**	**0.000665**	**0.025232**	**0.006926**	**0.001072**	**0.050516**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	8.05E-07	**2.99E-06**	**5.95E-06**	**9.02E-05**	**1.06E-07**	**4.69E-06**	**6.83E-06**	**1.01E-05**	**4.49E-06**	**3.14E-06**	**1.49E-06**	**0.001983**	**0.002833**	**4.65E-06**	**0.000645**	**0.024147**	**0.006666**	**0.001043**	**0.04836**
Concrete/Industrial Saws	3.42E-07	1.23E-06	2.73E-06	2.35E-05	4.10E-08	1.71E-06	2.87E-06	2.73E-06	2.05E-06	1.30E-06	6.84E-07	9.07E-04	1.19E-03	1.98E-06	2.37E-04	9.16E-03	2.49E-03	3.80E-04	1.83E-02
Rubber Tired Loaders	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	2.53E-06	9.1E-06	2.02E-05	0.000174	3.03E-07	1.26E-05	2.12E-05	2.02E-05	1.52E-05	9.61E-06	5.06E-06	0.006709	0.008812	1.47E-05	0.002115	0.081835	0.02227	0.003394	0.163759
Dust	6.57E-06	6.07E-06	1.52E-06	2.69E-04	4.30E-07	7.48E-05	6.27E-05	4.04E-04	4.55E-06	6.07E-06	1.01E-06	1.58E-03	1.36E-03	3.59E-05	-	-	-	-	-
HHDT-DSL	7.44E-08	2.68E-07	5.95E-07	5.12E-06	8.93E-09	3.72E-07	6.25E-07	5.95E-07	4.46E-07	2.83E-07	1.49E-07	0.000197	0.000259	4.32E-07	4.75E-05	0.001837	0.0005	7.62E-05	0.003676
Dust	9.54E-08	8.81E-08	2.20E-08	3.91E-06	6.24E-09	1.09E-06	9.10E-07	5.87E-06	6.61E-08	8.81E-08	1.47E-08	2.30E-05	1.98E-05	5.21E-07	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	-	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	5.30E-08	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.00E-05	**1.83E-05**	**2.76E-05**	**0.000543**	**8.47E-07**	**9.34E-05**	**9.17E-05**	**0.000441**	**2.42E-05**	**1.89E-05**	**7.56E-06**	**0.010276**	**0.013029**	**5.57E-05**	**0.002688**	**0.103076**	**0.02816**	**0.004323**	**0.206312**
Graders	3.72E-07	1.34E-06	2.98E-06	2.56E-05	4.47E-08	1.86E-06	3.13E-06	2.98E-06	2.23E-06	1.41E-06	7.45E-07	9.88E-04	1.30E-03	2.16E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	9.97E-07	3.59E-06	7.97E-06	6.86E-05	1.20E-07	4.98E-06	8.37E-06	7.97E-06	5.98E-06	3.79E-06	1.99E-06	2.64E-03	3.47E-03	5.78E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	3.16E-07	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.22E-05	1.78E-05	1.98E-05	2.16E-03	6.65E-06	7.01E-05	3.56E-04	5.84E-04	1.02E-05	3.86E-05	1.52E-06	1.89E-03	2.99E-03	1.68E-04	-	-	-	-	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	1.39119E-05	**2.4E-05**	**3.33E-05**	**0.002296**	**6.86E-06**	**7.91E-05**	**0.00037**	**0.0006**	**2.03E-05**	**4.52E-05**	**4.9E-06**	**0.006368**	**0.009009**	**0.000178**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	4.34E-07	1.56E-06	3.47E-06	2.99E-05	5.21E-08	2.17E-06	3.65E-06	3.47E-06	2.60E-06	1.65E-06	8.68E-07	1.15E-03	1.51E-03	2.52E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	-	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	-	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	4.24E-08	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-

Offroad																			
Equipment	ARSENIC	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7440382	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
	7.81E-07	**2.88E-06**	**5.67E-06**	**8.83E-05**	**1.03E-07**	**4.64E-06**	**6.65E-06**	**1.05E-05**	**4.29E-06**	**3.02E-06**	**1.43E-06**	**0.001894**	**0.002715**	**4.51E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	-	9.30E-08	-	1.30E-05	4.65E-09	9.30E-08	-	9.30E-08	-	9.30E-08	-	-	8.37E-05	-	8.46E-06	4.33E-06	3.84E-05	1.63E-05	2.45E-05
Dust	2.65E-08	2.45E-08	6.12E-09	1.09E-06	1.73E-09	3.02E-07	2.53E-07	1.63E-06	1.84E-08	2.45E-08	4.08E-09	6.39E-06	5.49E-06	1.45E-07	-	-	-	-	-
	5.03E-07	**1.83E-06**	**3.82E-06**	**4.69E-05**	**6.36E-08**	**2.78E-06**	**4.26E-06**	**5.54E-06**	**2.88E-06**	**1.93E-06**	**9.57E-07**	**0.001271**	**0.00175**	**2.91E-06**	**0.000417**	**0.015802**	**0.004338**	**0.000672**	**0.031638**
Trenchers	4.77E-07	1.72E-06	3.81E-06	3.28E-05	5.72E-08	2.38E-06	4.00E-06	3.81E-06	2.86E-06	1.81E-06	9.53E-07	1.26E-03	1.66E-03	2.76E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	-	9.30E-08	-	1.30E-05	4.65E-09	9.30E-08	-	9.30E-08	-	9.30E-08	-	-	8.37E-05	-	8.46E-06	4.33E-06	3.84E-05	1.63E-05	2.45E-05
Dust	2.65E-08	2.45E-08	6.12E-09	1.09E-06	1.73E-09	3.02E-07	2.53E-07	1.63E-06	1.84E-08	2.45E-08	4.08E-09	6.39E-06	5.49E-06	1.45E-07	-	-	-	-	-
	5.03E-07	**1.83E-06**	**3.82E-06**	**4.69E-05**	**6.36E-08**	**2.78E-06**	**4.26E-06**	**5.54E-06**	**2.88E-06**	**1.93E-06**	**9.57E-07**	**0.001271**	**0.00175**	**2.91E-06**	**0.000417**	**0.015802**	**0.004338**	**0.000672**	**0.031638**
Air Compressors	7.85E-07	2.83E-06	6.28E-06	5.40E-05	9.42E-08	3.93E-06	6.60E-06	6.28E-06	4.71E-06	2.98E-06	1.57E-06	2.08E-03	2.74E-03	4.55E-06	5.45E-04	2.11E-02	5.74E-03	8.74E-04	4.22E-02
HHDT-DSL	8.27E-09	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	1.06E-08	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
Off-Highway Trucks	3.92E-07	1.41E-06	3.14E-06	2.70E-05	4.71E-08	1.96E-06	3.30E-06	3.14E-06	2.35E-06	1.49E-06	7.85E-07	1.04E-03	1.37E-03	2.28E-06	4.50E-04	1.74E-02	4.74E-03	7.23E-04	3.49E-02
Tractors/Loaders/Backhoes	2.65E-07	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Cranes	2.57E-07	9.25E-07	2.06E-06	1.77E-05	3.08E-08	1.29E-06	2.16E-06	2.06E-06	1.54E-06	9.77E-07	5.14E-07	6.82E-04	8.96E-04	1.49E-06	2.18E-04	8.44E-03	2.30E-03	3.50E-04	1.69E-02
Forklifts	1.39E-07	5.01E-07	1.11E-06	9.58E-06	1.67E-08	6.96E-07	1.17E-06	1.11E-06	8.36E-07	5.29E-07	2.79E-07	3.70E-04	4.85E-04	8.08E-07	1.59E-04	6.14E-03	1.67E-03	2.55E-04	1.23E-02
LDA-TOT	-	2.79E-07	-	3.91E-05	1.40E-08	2.79E-07	-	2.79E-07	-	2.79E-07	-	-	2.51E-04	-	2.54E-05	1.30E-05	1.15E-04	4.88E-05	7.36E-05
Dust	7.95E-08	7.34E-08	1.84E-08	3.26E-06	5.20E-09	9.05E-07	7.59E-07	4.89E-06	5.51E-08	7.34E-08	1.22E-08	1.92E-05	1.65E-05	4.34E-07	-	-	-	-	-
	1.97E-06	**7.09E-06**	**1.49E-05**	**0.000172**	**2.45E-07**	**1.09E-05**	**1.67E-05**	**2.2E-05**	**1.13E-05**	**7.46E-06**	**3.74E-06**	**0.004972**	**0.00677**	**1.14E-05**	**0.001628**	**0.062042**	**0.016995**	**0.002622**	**0.124199**
HHDT-DSL	1.65E-08	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	2.12E-08	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	3.77E-08	**7.91E-08**	**1.37E-07**	**2.01E-06**	**3.37E-09**	**3.24E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	3.E-05	7.E-05	1.E-04	3.E-03	9.E-06	2.E-04	5.E-04	1.E-03	8.E-05	9.E-05	2.E-05	3.E-02	4.E-02	3.E-04	9.E-03	3.E-01	9.E-02	2.E-02	7.E-01

Offroad												Annual				
Equipment	yde methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
Cranes	2.74E-05	1.35E-03	5.58E-04	7.76E-05	1.43E-04	3.06E-04	2.37E-03	8.67E-05	5.29E-05	1.34E-03	-	7.30E-03	2.67E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	9.39E-03	3.55E-03		-	-
Crushing/Proc. Equipment	6.70E-05	3.30E-03	1.36E-03	1.90E-04	3.50E-04	7.48E-04	5.80E-03	2.12E-04	1.29E-04	3.29E-03	-	1.79E-02	8.17E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	1.11E-02	5.06E-03		-	-
HHDT-DSL	8.33E-07	4.10E-05	1.70E-05	2.36E-06	4.36E-06	9.30E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	2.78E-05	1.65E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	3.27E-05	3.72E-06		-	1.86E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-05		5.30E-10	4.89E-10
	1.76E-04	**8.47E-03**	**3.62E-03**	**4.89E-04**	**9.50E-04**	**1.96E-03**	**1.50E-02**	**5.45E-04**	**3.37E-04**	**8.63E-03**	**4.11E-06**	**4.57E-02**	**1.95E-02**	***0***	**6.36E-10**	**2.45E-09**
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	3.30E-02	1.50E-02		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	3.34E-02	1.52E-02		-	-
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	1.67E-04	9.92E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.89E-05		6.36E-10	5.87E-10
	-	-	-	-	-	-	-	-	-	-	-	-	1.20E-03		2.88E-08	4.20E-08
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	9.82E-05	1.12E-05		-	5.58E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.22E-04		1.59E-09	1.47E-09
	8.84E-05	**4.17E-03**	**1.83E-03**	**2.41E-04**	**4.92E-04**	**9.83E-04**	**7.42E-03**	**2.68E-04**	**1.67E-04**	**4.33E-03**	**4.11E-06**	***6.66E-02***	***3.17E-02***	***0***	**2.94E-08**	**4.82E-08**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	1.60E-02	6.04E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	7.04E-03	2.66E-03		-	-
Hoist/swing/winch	2.34E-05	1.15E-03	4.76E-04	6.63E-05	1.22E-04	2.61E-04	2.02E-03	7.41E-05	4.52E-05	1.15E-03	-	4.68E-03	2.13E-03		-	-
Generator Sets	4.07E-05	2.00E-03	8.29E-04	1.15E-04	2.13E-04	4.55E-04	3.52E-03	1.29E-04	7.87E-05	2.00E-03	-	8.14E-03	3.06E-03		-	-
Generator Sets	2.42E-05	1.19E-03	4.93E-04	6.86E-05	1.27E-04	2.71E-04	2.10E-03	7.67E-05	4.68E-05	1.19E-03	-	4.85E-03	2.14E-03		-	-
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	6.76E-03	2.54E-03		-	-
LDA-TOT	2.66E-06	3.97E-07	7.74E-05	1.02E-06	3.48E-05	2.69E-05	6.66E-05	-	2.67E-06	1.25E-04	2.88E-06	1.72E-05	1.95E-06		-	9.77E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.14E-05		2.78E-10	2.57E-10
	2.40E-04	**1.17E-02**	**4.91E-03**	**6.73E-04**	**1.28E-03**	**2.68E-03**	**2.06E-02**	**7.51E-04**	**4.61E-04**	**1.18E-02**	**2.88E-06**	***4.74E-02***	***1.86E-02***	***0***	**2.78E-10**	**1.23E-09**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	2.13E-02	8.06E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	7.04E-03	2.66E-03		-	-
Generator Sets	6.32E-05	3.11E-03	1.29E-03	1.79E-04	3.31E-04	7.06E-04	5.47E-03	2.00E-04	1.22E-04	3.10E-03	-	1.69E-02	6.63E-03		-	-
Air Compressors	5.43E-05	2.67E-03	1.11E-03	1.54E-04	2.84E-04	6.06E-04	4.70E-03	1.72E-04	1.05E-04	2.67E-03	-	1.45E-02	5.45E-03		-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	3.27E-05	3.72E-06		-	1.86E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-05		5.30E-10	4.89E-10
	2.36E-04	**1.15E-02**	**4.85E-03**	**6.60E-04**	**1.27E-03**	**2.64E-03**	**2.02E-02**	**7.36E-04**	**4.53E-04**	**1.16E-02**	**4.11E-06**	***5.97E-02***	***2.28E-02***	***0***	**0**	**1.86E-09**

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	5.32E-03	2.01E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	2.35E-03	8.87E-04		-	-
LDA-TOT	2.66E-06	3.97E-07	7.74E-05	1.02E-06	3.48E-05	2.69E-05	6.66E-05	-	2.67E-06	1.25E-04	2.88E-06	5.73E-06	6.51E-07		-	3.26E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	7.14E-06		9.28E-11	8.57E-11
	0.000118	**0.005665**	**0.002421**	**0.000327**	**0.000637**	**0.001312**	**0.010027**	**0.000364**	**0.000225**	**0.005774**	**2.87863E-06**	***7.68E-03***	***2.91E-03***	***0***	**9.28E-11**	**4.11E-10**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	2.13E-02	8.06E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	9.39E-03	3.55E-03		-	-
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	9.01E-03	3.39E-03		-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	3.27E-05	3.72E-06		-	1.86E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-05		5.30E-10	4.89E-10
	0.000153	**0.007328**	**0.003142**	**0.000423**	**0.000829**	**0.0017**	**0.012979**	**0.000471**	**0.000292**	**0.007487**	**4.11232E-06**	***3.97E-02***	***1.50E-02***	***0***	**5.30E-10**	**2.35E-09**
Hoist/swing/winch	6.39E-04	3.15E-02	1.30E-02	1.81E-03	3.34E-03	7.13E-03	5.53E-02	2.02E-03	1.24E-03	3.14E-02	-	3.19E-03	1.21E-03		-	-
Hoist/swing/winch	3.48E-05	1.71E-03	7.09E-04	9.86E-05	1.82E-04	3.89E-04	3.01E-03	1.10E-04	6.73E-05	1.71E-03	-	1.39E-03	5.17E-04		-	-
Generator Sets	5.46E-05	2.69E-03	1.11E-03	1.55E-04	2.86E-04	6.10E-04	4.73E-03	1.73E-04	1.06E-04	2.68E-03	-	2.18E-03	8.60E-04		-	-
Generator Sets	3.63E-05	1.79E-03	7.40E-04	1.03E-04	1.90E-04	4.06E-04	3.15E-03	1.15E-04	7.03E-05	1.78E-03	-	1.45E-03	6.42E-04		-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	2.82E-03	1.06E-03		-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	1.58E-03	9.84E-04		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	4.72E-04	1.76E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	6.38E-06	7.26E-07		-	3.63E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	7.95E-06		1.03E-10	9.54E-11
	0.00084	**0.041111**	**0.023297**	**0.003324**	**0.026153**	**0.013609**	**0.134694**	**0.002644**	**0.001619**	**0.070599**	**5.34602E-06**	***1.31E-02***	***5.46E-03***	***0***	**1.03E-10**	**4.58E-10**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	3.19E-03	1.21E-03		-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	2.82E-03	1.06E-03		-	-
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	1.65E-03	7.51E-04		-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	2.78E-06	1.65E-06		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-07		1.06E-11	9.79E-12
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	1.58E-03	9.84E-04		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	4.72E-04	1.76E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	6.38E-06	7.26E-07		-	3.63E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	7.95E-06		1.03E-10	9.54E-11
	0.000197	**0.009468**	**0.010207**	**0.001503**	**0.022789**	**0.006432**	**0.079057**	**0.000609**	**0.000377**	**0.039042**	**5.34602E-06**	***9.72E-03***	***4.20E-03***	***0***	**1.14E-10**	**4.68E-10**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	3.19E-03	1.21E-03		-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	2.82E-03	1.06E-03		-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	1.58E-03	9.84E-04		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	4.72E-04	1.76E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	6.38E-06	7.26E-07		-	3.63E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	7.95E-06		1.03E-10	9.54E-11
	0.000155	**0.007399**	**0.009351**	**0.001384**	**0.022569**	**0.005962**	**0.075418**	**0.000476**	**0.000295**	**0.036978**	**5.34602E-06**	***8.07E-03***	***3.44E-03***	***0***	**1.03E-10**	**4.58E-10**
HHDT-DSL	5.83E-06	0.000287	0.000119	1.65E-05	3.05E-05	6.51E-05	0.000505	1.85E-05	1.13E-05	0.000286	-	1.46E-04	8.68E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.28E-05		5.57E-10	5.14E-10

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	9.87E-03	4.47E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	8.38E-03	3.79E-03		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.96E-05	2.23E-06		-	1.12E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.45E-05		3.18E-10	2.94E-10
	0.0001	**0.00478**	**0.002066**	**0.000276**	**0.000548**	**0.001115**	**0.008481**	**0.000307**	**0.000191**	**0.00491**	**3.28986E-06**	***1.84E-02***	***8.42E-03***	***0***	**8.75E-10**	**1.92E-09**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	9.07E-03	4.24E-03		-	-
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	1.72E-02	7.62E-03		-	-
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	1.54E-05	2.25E-06		-	1.12E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.63E-05		2.12E-10	1.96E-10
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	2.62E-05	2.98E-06		-	1.49E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	3.26E-05		4.24E-10	3.92E-10
	0.000103	**0.004849**	**0.002146**	**0.000281**	**0.000578**	**0.001148**	**0.008645**	**0.000312**	**0.000195**	**0.005062**	**5.22987E-06**	***2.63E-02***	***1.19E-02***	***0***	**6.36E-10**	**3.2E-09**
Crushing/Proc. Equipment	6.70E-05	3.30E-03	1.36E-03	1.90E-04	3.50E-04	7.48E-04	5.80E-03	2.12E-04	1.29E-04	3.29E-03	-	1.25E-02	5.72E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	7.79E-03	3.54E-03		-	-
HHDT-DSL	0.000536	0.026378	0.010912	0.001518	0.002804	0.005983	0.04638	0.001697	0.001036	0.026306	-	1.25E-02	5.72E-03		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	7.79E-03	3.54E-03		4.60E-08	4.25E-08
HHDT-DSL	3.33E-06	0.000164	6.78E-05	9.44E-06	1.74E-05	3.72E-05	0.000288	1.05E-05	6.44E-06	0.000164	-	7.77E-05	4.63E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.28E-05		2.97E-10	2.74E-10
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	1.08E-05	1.57E-06		-	7.87E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.14E-05		1.48E-10	1.37E-10
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	2.29E-05	2.61E-06		-	1.30E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.86E-05		3.71E-10	3.43E-10
	0.000653	**0.031894**	**0.013356**	**0.001838**	**0.003463**	**0.00729**	**0.056218**	**0.002051**	**0.001258**	**0.03207**	**6.05233E-06**	***4.07E-02***	***1.86E-02***	***0***	**4.68E-08**	**4.53E-08**
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	3.29E-03	1.49E-03		-	-
Rubber Tired Dozers	1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-	9.20E-03	3.99E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	2.79E-03	1.26E-03		-	-
	-	-	-	-	-	-	-	-	-	-	-	-	1.02E-02		2.44E-07	3.55E-07
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
	0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**	***1.53E-02***	***1.69E-02***	***0***	**2.44E-07**	**3.56E-07**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	2.27E-03	1.06E-03		-	-
Pavers	5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-	3.91E-03	1.74E-03		-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	6.94E-06	4.13E-06		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.04E-06		2.65E-11	2.45E-11
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	3.86E-06	5.62E-07		-	2.81E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-06		5.30E-11	4.89E-11
	-	-	-	-	-	0.002441	-	-	-	0.004221	-	1.31E-03	-		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**	***7.50E-03***	***2.82E-03***	***0***	**1.86E-10**	**8.25E-10**

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	1.29E-02	5.72E-03		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.96E-05	2.23E-06		-	1.12E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.45E-05		3.18E-10	2.94E-10
	6.75E-05	**0.003174**	**0.001401**	**0.000184**	**0.000377**	**0.000751**	**0.005656**	**0.000204**	**0.000128**	**0.003308**	**3.28986E-06**	***1.29E-02***	***5.75E-03***	***0***	**3.18E-10**	**1.41E-09**
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	2.78E-04	1.65E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-05		1.06E-09	9.79E-10
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**	***2.78E-04***	***2.47E-04***	***0.00***	**1.06E-09**	**9.79E-10**
	3.5.E-03	**1.7.E-01**	**8.9.E-02**	**1.3.E-02**	**8.4.E-02**	**5.4.E-02**	**4.8.E-01**	**1.1.E-02**	**6.6.E-03**	**2.6.E-01**	**6.5.E-05**	**4.19E-01**	**1.88E-01**	**1.7.E-01**	**3.2.E-07**	**4.7.E-07**
Cranes	2.74E-05	1.35E-03	5.58E-04	7.76E-05	1.43E-04	3.06E-04	2.37E-03	8.67E-05	5.29E-05	1.34E-03	-	3.65E-03	1.33E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	4.69E-03	1.77E-03		-	-
Concrete/Industrial Saws	3.07E-05	1.51E-03	6.26E-04	8.70E-05	1.61E-04	3.43E-04	2.66E-03	9.73E-05	5.94E-05	1.51E-03	-	4.10E-03	1.02E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	5.56E-03	2.53E-03		-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	1.64E-05	1.86E-06		-	9.30E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.04E-05		2.65E-10	2.45E-10
	0.000139	**0.006649**	**0.002861**	**0.000384**	**0.000756**	**0.001546**	**0.011785**	**0.000428**	**0.000265**	**0.006809**	**4.11232E-06**	***1.80E-02***	***6.68E-03***	***0***	**2.65E-10**	**1.18E-09**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	1.06E-02	4.03E-03		-	-
Hoist/swing/winch	3.48E-05	1.71E-03	7.09E-04	9.86E-05	1.82E-04	3.89E-04	3.01E-03	1.10E-04	6.73E-05	1.71E-03	-	4.64E-03	1.72E-03		-	-
Generator Sets	5.46E-05	2.69E-03	1.11E-03	1.55E-04	2.86E-04	6.10E-04	4.73E-03	1.73E-04	1.06E-04	2.68E-03	-	7.28E-03	2.87E-03		-	-
Generator Sets	3.63E-05	1.79E-03	7.40E-04	1.03E-04	1.90E-04	4.06E-04	3.15E-03	1.15E-04	7.03E-05	1.78E-03	-	4.85E-03	2.14E-03		-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	9.39E-03	3.55E-03		-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	5.26E-03	3.28E-03		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	1.57E-03	5.88E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	2.13E-05	2.42E-06		-	1.21E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.65E-05		3.45E-10	3.18E-10
	0.000281	**0.01359**	**0.011912**	**0.00174**	**0.023227**	**0.007367**	**0.086304**	**0.000874**	**0.000539**	**0.043152**	**5.34602E-06**	***4.37E-02***	***1.82E-02***	***0***	**3.45E-10**	**1.53E-09**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	1.06E-02	4.03E-03		-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	9.39E-03	3.55E-03		-	-
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	5.49E-03	2.50E-03		-	-
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	1.11E-05	6.61E-06		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	3.26E-06		4.24E-11	3.92E-11
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	5.26E-03	3.28E-03		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	1.57E-03	5.88E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	2.13E-05	2.42E-06		-	1.21E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.65E-05		3.45E-10	3.18E-10
	0.000198	**0.009509**	**0.010224**	**0.001505**	**0.022794**	**0.006441**	**0.079129**	**0.000612**	**0.000378**	**0.039083**	**5.34602E-06**	***3.24E-02***	***1.40E-02***	***0***	**3.87E-10**	**1.57E-09**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	1.06E-02	4.03E-03		-	-

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	9.39E-03	3.55E-03		-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	5.26E-03	3.28E-03		-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	1.57E-03	5.88E-04		-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	2.13E-05	2.42E-06		-	1.21E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.65E-05		3.45E-10	3.18E-10
	0.000155	**0.007399**	**0.009351**	**0.001384**	**0.022569**	**0.005962**	**0.075418**	**0.000476**	**0.000295**	**0.036978**	**5.34602E-06**	***2.69E-02***	***1.15E-02***	***0***	**3.45E-10**	**1.53E-09**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	2.13E-02	8.06E-03		-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	9.39E-03	3.55E-03		-	-
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	9.01E-03	3.39E-03		-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	3.27E-05	3.72E-06		-	1.86E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-05		5.30E-10	4.89E-10
	0.000153	**0.007328**	**0.003142**	**0.000423**	**0.000829**	**0.0017**	**0.012979**	**0.000471**	**0.000292**	**0.007487**	**4.11232E-06**	***3.97E-02***	***1.50E-02***	***0***	**5.30E-10**	**2.35E-09**
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	1.65E-02	7.51E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	1.67E-02	7.58E-03		-	-
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	8.33E-05	4.96E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.45E-05		3.18E-10	2.94E-10
	-	-	-	-	-	-	-	-	-	-	-	-	1.50E-04		3.60E-09	5.25E-09
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	3.93E-05	4.47E-06		-	2.23E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.89E-05		6.36E-10	5.87E-10
	8.76E-05	**0.004166**	**0.001812**	**0.000241**	**0.000482**	**0.000976**	**0.0074**	**0.000268**	**0.000167**	**0.004297**	**3.28986E-06**	***3.33E-02***	***1.54E-02***	***0***	**4.55E-09**	**8.36E-09**
HHDT-DSL	7.49E-06	0.000369	0.000153	2.12E-05	3.92E-05	8.37E-05	0.000649	2.37E-05	1.45E-05	0.000368	-	1.87E-04	1.12E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.51E-05		7.16E-10	6.61E-10
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	9.87E-03	4.47E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	8.38E-03	3.79E-03		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.96E-05	2.23E-06		-	1.12E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.45E-05		3.18E-10	2.94E-10
	0.000102	**0.004862**	**0.0021**	**0.000281**	**0.000557**	**0.001133**	**0.008625**	**0.000313**	**0.000194**	**0.004992**	**3.28986E-06**	***1.85E-02***	***8.45E-03***	***0***	**1.03E-09**	**2.07E-09**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	4.54E-03	2.12E-03		-	-
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	8.59E-03	3.81E-03		-	-
LDT2-TOT	6.44E-06	9.62E-07	1.88E-04	2.48E-06	8.42E-05	6.52E-05	1.61E-04	-	6.47E-06	3.03E-04	6.98E-06	2.78E-05	1.65E-05		-	8.27E-09
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.31E-05	1.49E-06		-	7.44E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.63E-05		2.12E-10	1.96E-10
	0.000108	**0.00485**	**0.002282**	**0.000283**	**0.000639**	**0.001196**	**0.008762**	**0.000312**	**0.0002**	**0.005281**	**1.02671E-05**	***1.32E-02***	***5.97E-03***	***0***	**3.18E-10**	**9.31E-09**
Concrete/Industrial Saws	3.74E-05	1.84E-03	7.61E-04	1.06E-04	1.96E-04	4.17E-04	3.24E-03	1.18E-04	7.23E-05	1.84E-03	-	2.49E-03	1.37E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	2.78E-03	1.26E-03		-	-
HHDT-DSL	2.33E-05	0.001148	0.000475	6.61E-05	0.000122	0.00026	0.002018	7.38E-05	4.51E-05	0.001145	-	1.94E-04	1.16E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.71E-05		7.42E-10	6.85E-10
HHDT-DSL	4.63E-07	2.28E-05	9.43E-06	1.31E-06	2.42E-06	5.17E-06	4.01E-05	1.47E-06	8.95E-07	2.27E-05	-	3.86E-06	5.62E-07		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-06		5.30E-11	4.89E-11
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	3.86E-06	5.62E-07		-	2.81E-10

Offroad												Annual				
Equipment	yde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028		tons/yr	tons/yr	9901	7440382	7726956
Dust	-	-	-	-	-	-	-	-	-	-	-		-	4.08E-06		5.30E-11	4.89E-11
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06		8.18E-06	9.30E-07		-	4.65E-10
Dust	-	-	-	-	-	-	-	-	-	-	-		-	1.02E-05		1.33E-10	1.22E-10
	0.000108	**0.005067**	**0.002258**	**0.000294**	**0.000612**	**0.001206**	**0.009047**	**0.000326**	**0.000205**	**0.005315**	**6.05233E-06**		***5.48E-03***	***2.82E-03***	***0***	**9.81E-10**	**1.65E-09**
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-		3.29E-03	1.49E-03		-	-
Rubber Tired Dozers	1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-		9.20E-03	3.99E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-		2.79E-03	1.26E-03		-	-
	-	-	-	-	-	-	-	-	-	-	-		-	1.02E-02		2.44E-07	3.55E-07
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06		6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-		-	8.16E-06		1.06E-10	9.79E-11
	0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**		***1.53E-02***	***1.69E-02***	***0***	**2.44E-07**	**3.56E-07**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-		2.27E-03	1.06E-03		-	-
Pavers	5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-		3.91E-03	1.74E-03		-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-		6.94E-06	4.13E-06		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-		-	2.04E-06		2.65E-11	2.45E-11
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06		3.86E-06	5.62E-07		-	2.81E-10
Dust	-	-	-	-	-	-	-	-	-	-	-		-	4.08E-06		5.30E-11	4.89E-11
	-	-	-	-	-	0.002441	-	-	-	0.004221	-		1.31E-03	-		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06		6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-		-	8.16E-06		1.06E-10	9.79E-11
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**		***7.50E-03***	***2.82E-03***	***0***	**1.86E-10**	**8.25E-10**
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-		1.29E-02	5.72E-03		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06		1.96E-05	2.23E-06		-	1.12E-09
Dust	-	-	-	-	-	-	-	-	-	-	-		-	2.45E-05		3.18E-10	2.94E-10
	6.75E-05	**0.003174**	**0.001401**	**0.000184**	**0.000377**	**0.000751**	**0.005656**	**0.000204**	**0.000128**	**0.003308**	**3.28986E-06**		***1.29E-02***	***5.75E-03***	***0***	**3.18E-10**	**1.41E-09**
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-		1.94E-04	1.16E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-		-	5.71E-05		7.42E-10	6.85E-10
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**		***1.94E-04***	***1.73E-04***	**0.00**	**7.42E-10**	**6.85E-10**
	1.7.E-03	**8.3.E-02**	**5.4.E-02**	**7.6.E-03**	**7.5.E-02**	**3.4.E-02**	**3.3.E-01**	**5.3.E-03**	**3.3.E-03**	**1.8.E-01**	**5.9.E-05**		**2.67E-01**	**1.24E-01**	**1.0.E-01**	**2.5.E-07**	**3.9.E-07**
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-		1.65E-02	7.51E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-		1.67E-02	7.58E-03		-	-
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-		8.33E-05	4.96E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-		-	2.45E-05		3.18E-10	2.94E-10
	-	-	-	-	-	-	-	-	-	-	-		-	1.50E-03		3.60E-08	5.25E-08
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06		4.91E-05	5.58E-06		-	2.79E-09
Dust	-	-	-	-	-	-	-	-	-	-	-		-	6.12E-05		7.95E-10	7.34E-10
	8.84E-05	**0.004166**	**0.001834**	**0.000241**	**0.000492**	**0.000983**	**0.007419**	**0.000268**	**0.000167**	**0.004333**	**4.11232E-06**		***3.33E-02***	***1.67E-02***	**0.02**	**3.71E-08**	**5.63E-08**

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
HHDT-DSL	1.17E-05	0.000574	0.000237	3.3E-05	6.1E-05	0.00013	0.001009	3.69E-05	2.25E-05	0.000572	-	1.94E-04	1.16E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.71E-05		7.42E-10	6.85E-10
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	6.58E-03	2.98E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	5.59E-03	2.53E-03		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.31E-05	1.49E-06		-	7.44E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.63E-05		2.12E-10	1.96E-10
	0.000106	**0.005067**	**0.002185**	**0.000293**	**0.000578**	**0.00118**	**0.008985**	**0.000326**	**0.000202**	**0.005196**	**3.28986E-06**	***1.24E-02***	***5.70E-03***	***0***	**9.54E-10**	**1.63E-09**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	4.54E-03	2.12E-03		-	-
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	8.59E-03	3.81E-03		-	-
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	7.72E-06	1.12E-06		-	5.62E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	1.31E-05	1.49E-06		-	7.44E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.63E-05		2.12E-10	1.96E-10
	0.000103	**0.004849**	**0.002146**	**0.000281**	**0.000578**	**0.001148**	**0.008645**	**0.000312**	**0.000195**	**0.005062**	**5.22987E-06**	***1.32E-02***	***5.96E-03***	***0***	**3.18E-10**	**1.6E-09**
Concrete/Industrial Saws	3.74E-05	1.84E-03	7.61E-04	1.06E-04	1.96E-04	4.17E-04	3.24E-03	1.18E-04	7.23E-05	1.84E-03	-	2.49E-03	1.37E-03		-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	2.78E-03	1.26E-03		-	-
HHDT-DSL	0.000334	0.016438	0.0068	0.000946	0.001747	0.003728	0.028903	0.001057	0.000646	0.016394	-	2.78E-03	1.26E-03		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	2.78E-03	1.26E-03		1.64E-08	1.52E-08
HHDT-DSL	7.49E-06	0.000369	0.000153	2.12E-05	3.92E-05	8.37E-05	0.000649	2.37E-05	1.45E-05	0.000368	-	6.25E-05	3.72E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.84E-05		2.39E-10	2.20E-10
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	3.86E-06	5.62E-07		-	2.81E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-06		5.30E-11	4.89E-11
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	8.18E-06	9.30E-07		-	4.65E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.02E-05		1.33E-10	1.22E-10
	0.000426	**0.020703**	**0.008727**	**0.001194**	**0.002274**	**0.004752**	**0.036541**	**0.001332**	**0.000819**	**0.020909**	**6.05233E-06**	***1.09E-02***	***5.23E-03***	***0***	**1.69E-08**	**1.63E-08**
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	3.29E-03	1.49E-03		-	-
Rubber Tired Dozers	1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-	9.20E-03	3.99E-03		-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	2.79E-03	1.26E-03		-	-
	-	-	-	-	-	-	-	-	-	-	-	-	1.02E-02		2.44E-07	3.55E-07
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
	0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**	***1.53E-02***	***1.69E-02***	***0***	**2.43798E-07**	**3.56E-07**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	2.27E-03	1.06E-03		-	-
Pavers	5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-	3.91E-03	1.74E-03		-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	6.94E-06	4.13E-06		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	2.04E-06		2.65E-11	2.45E-11
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	3.86E-06	5.62E-07		-	2.81E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	4.08E-06		5.30E-11	4.89E-11
	-	-	-	-	-	0.002441	-	-	-	0.004221	-	1.31E-03	-		-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	6.54E-06	7.44E-07		-	3.72E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11

Offroad												Annual				
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**	***7.50E-03***	***2.82E-03***	***0***	**1.86E-10**	**8.25E-10**
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	1.29E-02	5.72E-03		-	-
LDA-TOT	1.90E-06	2.84E-07	5.53E-05	7.32E-07	2.48E-05	1.92E-05	4.75E-05	-	1.91E-06	8.94E-05	2.06E-06	1.23E-05	1.40E-06		-	6.98E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	1.53E-05		1.99E-10	1.84E-10
	6.64E-05	**0.003174**	**0.001368**	**0.000183**	**0.000362**	**0.000739**	**0.005627**	**0.000204**	**0.000127**	**0.003254**	**2.05616E-06**	***1.29E-02***	***5.74E-03***	***0***	**1.99E-10**	**8.81E-10**
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	4.30E-03	1.91E-03		-	-
LDA-TOT	1.90E-06	2.84E-07	5.53E-05	7.32E-07	2.48E-05	1.92E-05	4.75E-05	-	1.91E-06	8.94E-05	2.06E-06	4.09E-06	4.65E-07		-	2.33E-10
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.10E-06		6.63E-11	6.12E-11
	6.64E-05	**0.003174**	**0.001368**	**0.000183**	**0.000362**	**0.000739**	**0.005627**	**0.000204**	**0.000127**	**0.003254**	**2.05616E-06**	***4.30E-03***	***1.91E-03***	***0***	**6.63E-11**	**2.94E-10**
Air Compressors	8.60E-05	4.23E-03	1.75E-03	2.44E-04	4.50E-04	9.60E-04	7.44E-03	2.72E-04	1.66E-04	4.22E-03	-	2.06E-01	1.13E-01		-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	2.78E-05	1.65E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	8.16E-06		1.06E-10	9.79E-11
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	2.50E-05	1.49E-05		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	7.34E-06		9.54E-11	8.81E-11
Off-Highway Trucks	7.11E-05	3.50E-03	1.45E-03	2.01E-04	3.72E-04	7.94E-04	6.15E-03	2.25E-04	1.37E-04	3.49E-03	-	8.53E-02	2.82E-02		-	-
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	8.16E-02	3.81E-02		-	-
Cranes	3.44E-05	1.70E-03	7.01E-04	9.76E-05	1.80E-04	3.84E-04	2.98E-03	1.09E-04	6.66E-05	1.69E-03	-	8.26E-02	3.70E-02		-	-
Forklifts	2.50E-05	1.23E-03	5.10E-04	7.10E-05	1.31E-04	2.80E-04	2.17E-03	7.93E-05	4.84E-05	1.23E-03	-	6.01E-02	2.01E-02		-	-
LDA-TOT	5.69E-06	8.51E-07	1.66E-04	2.20E-06	7.45E-05	5.77E-05	1.43E-04	-	5.72E-06	2.68E-04	6.17E-06	4.42E-04	5.02E-05		-	2.51E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.51E-04		7.16E-09	6.61E-09
	0.000259	**0.012461**	**0.00532**	**0.000719**	**0.001399**	**0.002884**	**0.022051**	**0.000801**	**0.000495**	**0.012694**	**6.16848E-06**	***5.17E-01***	***2.37E-01***	***0***	**7.36E-09**	**3.19E-08**
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	1.94E-04	1.16E-04		-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	5.71E-05		7.42E-10	6.85E-10
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**	***1.94E-04***	***1.73E-04***	***0***	**7.42E-10**	**6.85E-10**
	1.E-03	7.E-02	3.E-02	4.E-03	8.E-03	2.E-02	1.E-01	4.E-03	3.E-03	8.E-02	4.E-05	6.27E-01	2.98E-01	3.E-01	3.E-07	5.E-07

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Cranes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crushing/Proc. Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
LDA-TOT	-	2.61E-07	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09
Dust	1.22E-10	2.17E-08	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-
	1.47E-10	**2.87E-07**	**1.35E-10**	**9.10E-09**	**6.07E-09**	**4.10E-08**	**4.40E-10**	**2.45E-09**	**9.79E-11**	**1.53E-07**	**1.81E-06**	**3.47E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.90E-07**	**3.79E-08**	**5.67E-09**
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.47E-10	2.61E-08	4.16E-11	7.24E-09	6.07E-09	3.92E-08	4.40E-10	5.87E-10	9.79E-11	1.53E-07	1.32E-07	3.47E-09	-	-	-	-	-	-	-
	4.68E-08	5.10E-06	1.57E-08	1.66E-07	8.41E-07	1.38E-06	2.40E-08	9.12E-08	3.60E-09	4.46E-06	7.07E-06	3.97E-07	-	-	-	-	-	-	-
LDA-TOT	-	7.82E-07	2.79E-10	5.58E-09	-	5.58E-09	-	5.58E-09	-	-	5.02E-06	-	5.08E-07	2.60E-07	2.30E-06	9.77E-07	1.47E-06	1.14E-07	1.70E-08
Dust	3.67E-10	6.52E-08	1.04E-10	1.81E-08	1.52E-08	9.79E-08	1.10E-09	1.47E-09	2.45E-10	3.83E-07	3.29E-07	8.69E-09	-	-	-	-	-	-	-
	4.69E-08	**5.91E-06**	**1.60E-08**	**1.78E-07**	**8.47E-07**	**1.42E-06**	**2.44E-08**	**9.74E-08**	**3.70E-09**	**4.61E-06**	**1.22E-05**	**4.01E-07**	**5.08E-07**	**2.60E-07**	**2.30E-06**	**9.77E-07**	**1.47E-06**	**1.14E-07**	**1.70E-08**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.37E-07	4.88E-11	9.77E-10	-	9.77E-10	-	9.77E-10	-	-	8.79E-07	-	8.89E-08	4.55E-08	4.03E-07	1.71E-07	2.57E-07	1.99E-08	2.98E-09
Dust	6.42E-11	1.14E-08	1.82E-11	3.17E-09	2.66E-09	1.71E-08	1.93E-10	2.57E-10	4.28E-11	6.70E-08	5.76E-08	1.52E-09	-	-	-	-	-	-	-
	6.42E-11	**1.48E-07**	**6.7E-11**	**4.15E-09**	**2.66E-09**	**1.81E-08**	**1.93E-10**	**1.23E-09**	**4.28E-11**	**6.70E-08**	**9.37E-07**	**1.52E-09**	**8.89E-08**	**4.55E-08**	**4.03E-07**	**1.71E-07**	**2.57E-07**	**1.99E-08**	**2.98E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air Compressors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	2.61E-07	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09
Dust	1.22E-10	2.17E-08	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-
	0.00E+00	**2.61E-07**	**9.3E-11**	**1.86E-09**	**0.00E+00**	**1.86E-09**	**0.00E+00**	**1.86E-09**	**0.00E+00**	**0.00E+00**	**1.67E-06**	**0.00E+00**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.90E-07**	**3.79E-08**	**5.67E-09**

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	4.56E-08	1.63E-11	3.26E-10	-	3.26E-10	-	3.26E-10	-	-	2.93E-07	-	2.96E-08	1.52E-08	1.34E-07	5.70E-08	8.58E-08	6.64E-09	9.92E-10
Dust	2.14E-11	3.80E-09	6.07E-12	1.06E-09	8.85E-10	5.71E-09	6.42E-11	8.57E-11	1.43E-11	2.23E-08	1.92E-08	5.07E-10	-	-	-	-	-	-	-
	2.14E-11	**4.94E-08**	**2.23E-11**	**1.38E-09**	**8.85E-10**	**6.04E-09**	**6.42E-11**	**4.11E-10**	**1.43E-11**	**2.23E-08**	**3.12E-07**	**5.07E-10**	**2.96E-08**	**1.52E-08**	**1.34E-07**	**5.7E-08**	**8.58E-08**	**6.64E-09**	**9.92E-10**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	2.61E-07	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09
Dust	1.22E-10	2.17E-08	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-
	1.22E-10	**2.82E-07**	**1.28E-10**	**7.9E-09**	**5.06E-09**	**3.45E-08**	**3.67E-10**	**2.35E-09**	**8.16E-11**	**1.28E-07**	**1.78E-06**	**2.9E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.9E-07**	**3.79E-08**	**5.67E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	5.08E-08	1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09
Dust	2.39E-11	4.24E-09	6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-
	2.39E-11	**5.50E-08**	**2.49E-11**	**1.54E-09**	**9.86E-10**	**6.73E-09**	**7.16E-11**	**4.58E-10**	**1.59E-11**	**2.49E-08**	**3.48E-07**	**5.65E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	2.45E-12	4.35E-10	6.93E-13	1.21E-10	1.01E-10	6.53E-10	7.34E-12	9.79E-12	1.63E-12	2.55E-09	2.20E-09	5.79E-11	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	5.08E-08	1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09
Dust	2.39E-11	4.24E-09	6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-
	2.63E-11	**5.55E-08**	**2.56E-11**	**1.66E-09**	**1.09E-09**	**7.38E-09**	**7.89E-11**	**4.68E-10**	**1.75E-11**	**2.75E-08**	**3.5E-07**	**6.23E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	5.08E-08	1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09
Dust	2.39E-11	4.24E-09	6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-
	2.39E-11	**5.5E-08**	**2.49E-11**	**1.54E-09**	**9.86E-10**	**6.73E-09**	**7.16E-11**	**4.58E-10**	**1.59E-11**	**2.49E-08**	**3.48E-07**	**5.65E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.28E-10	2.28E-08	3.64E-11	6.34E-09	5.31E-09	3.43E-08	3.85E-10	5.14E-10	8.57E-11	1.34E-07	1.15E-07	3.04E-09	-	-	-	-	-	-	-

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.56E-07	5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	2.02E-10	**1.92E-07**	**1.13E-10**	**1.11E-08**	**8.34E-09**	**5.5E-08**	**6.06E-10**	**1.92E-09**	**1.35E-10**	**2.11E-07**	**1.19E-06**	**4.78E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT	-	1.57E-07	5.62E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.01E-06	-	7.99E-08	4.09E-08	3.62E-07	1.54E-07	2.31E-07	1.79E-08	2.67E-09
Dust	4.89E-11	8.70E-09	1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-
LDA-TOT	-	2.08E-07	7.44E-11	1.49E-09	-	1.49E-09	-	1.49E-09	-	-	1.34E-06	-	1.35E-07	6.93E-08	6.14E-07	2.60E-07	3.92E-07	3.04E-08	4.54E-09
Dust	9.79E-11	1.74E-08	2.77E-11	4.83E-09	4.05E-09	2.61E-08	2.94E-10	3.92E-10	6.53E-11	1.02E-07	8.78E-08	2.32E-09	-	-	-	-	-	-	-
	1.47E-10	**3.92E-07**	**1.72E-10**	**9.86E-09**	**6.07E-09**	**4.18E-08**	**4.4E-10**	**3.2E-09**	**9.79E-11**	**1.53E-07**	**2.48E-06**	**3.47E-09**	**2.15E-07**	**1.1E-07**	**9.76E-07**	**4.14E-07**	**6.24E-07**	**4.83E-08**	**7.21E-09**
Crushing/Proc. Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.06E-08	1.89E-06	3.01E-09	5.24E-07	4.39E-07	2.83E-06	3.19E-08	4.25E-08	7.08E-09	1.11E-05	9.53E-06	2.51E-07	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	6.85E-11	1.22E-08	1.94E-11	3.38E-09	2.83E-09	1.83E-08	2.06E-10	2.74E-10	4.57E-11	7.15E-08	6.15E-08	1.62E-09	-	-	-	-	-	-	-
LDT2-TOT	-	1.10E-07	3.94E-11	7.87E-10	-	7.87E-10	-	7.87E-10	-	-	7.08E-07	-	5.59E-08	2.86E-08	2.53E-07	1.08E-07	1.62E-07	1.25E-08	1.87E-09
Dust	3.43E-11	6.09E-09	9.71E-12	1.69E-09	1.42E-09	9.14E-09	1.03E-10	1.37E-10	2.28E-11	3.58E-08	3.07E-08	8.11E-10	-	-	-	-	-	-	-
LDA-TOT	-	1.82E-07	6.51E-11	1.30E-09	-	1.30E-09	-	1.30E-09	-	-	1.17E-06	-	1.19E-07	6.07E-08	5.37E-07	2.28E-07	3.43E-07	2.66E-08	3.97E-09
Dust	8.57E-11	1.52E-08	2.43E-11	4.23E-09	3.54E-09	2.28E-08	2.57E-10	3.43E-10	5.71E-11	8.94E-08	7.69E-08	2.03E-09	-	-	-	-	-	-	-
	1.08E-08	**2.21E-06**	**3.17E-09**	**5.35E-07**	**4.47E-07**	**2.88E-06**	**3.24E-08**	**4.53E-08**	**7.2E-09**	**1.13E-05**	**1.16E-05**	**2.56E-07**	**1.74E-07**	**8.93E-08**	**7.91E-07**	**3.35E-07**	**5.05E-07**	**3.91E-08**	**5.84E-09**
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.96E-07	4.32E-05	1.33E-07	1.40E-06	7.12E-06	1.17E-05	2.03E-07	7.72E-07	3.05E-08	3.77E-05	5.99E-05	3.36E-06	-	-	-	-	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
	3.96E-07	**4.32E-05**	**1.33E-07**	**1.4E-06**	**7.12E-06**	**1.17E-05**	**2.03E-07**	**7.72E-07**	**3.05E-08**	**3.77E-05**	**6.02E-05**	**3.36E-06**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	6.12E-12	1.09E-09	1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-
LDT2-TOT	-	3.94E-08	1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
	4.28E-11	**9.91E-08**	**4.48E-11**	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.56E-07	5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	7.34E-11	**1.69E-07**	**7.66E-11**	**4.74E-09**	**3.03E-09**	**2.07E-08**	**2.2E-10**	**1.41E-09**	**4.89E-11**	**7.66E-08**	**1.07E-06**	**1.74E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	2.45E-10	4.35E-08	6.93E-11	1.21E-08	1.01E-08	6.53E-08	7.34E-10	9.79E-10	1.63E-10	2.55E-07	2.20E-07	5.79E-09	-	-	-	-	-	-	-
	2.45E-10	**4.35E-08**	**6.93E-11**	**1.21E-08**	**1.01E-08**	**6.53E-08**	**7.34E-10**	**9.79E-10**	**1.63E-10**	**2.55E-07**	**2.2E-07**	**5.79E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	4.5.E-07	**5.3.E-05**	**1.5.E-07**	**2.2.E-06**	**8.5.E-06**	**1.6.E-05**	**2.6.E-07**	**9.3.E-07**	**4.2.E-08**	**5.5.E-05**	**9.7.E-05**	**4.0.E-06**	**1.9.E-06**	**9.8.E-07**	**8.7.E-06**	**3.4.E-05**	**5.5.E-06**	**4.3.E-07**	**6.4.E-08**
Cranes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.30E-07	4.65E-11	9.30E-10	-	9.30E-10	-	9.30E-10	-	-	8.37E-07	-	8.46E-08	4.33E-08	3.84E-07	1.63E-07	2.45E-07	1.90E-08	2.84E-09
Dust	6.12E-11	1.09E-08	1.73E-11	3.02E-09	2.53E-09	1.63E-08	1.84E-10	2.45E-10	4.08E-11	6.39E-08	5.49E-08	1.45E-09	-	-	-	-	-	-	-
	6.12E-11	**1.41E-07**	**6.39E-11**	**3.95E-09**	**2.53E-09**	**1.72E-08**	**1.84E-10**	**1.18E-09**	**4.08E-11**	**6.39E-08**	**8.92E-07**	**1.45E-09**	**8.46E-08**	**4.33E-08**	**3.84E-07**	**1.63E-07**	**2.45E-07**	**1.9E-08**	**2.84E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.69E-07	6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09
Dust	7.95E-11	1.41E-08	2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-
	7.95E-11	**1.83E-07**	**8.3E-11**	**5.13E-09**	**3.29E-09**	**2.24E-08**	**2.39E-10**	**1.53E-09**	**5.3E-11**	**8.3E-08**	**1.16E-06**	**1.88E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	9.79E-12	1.74E-09	2.77E-12	4.83E-10	4.05E-10	2.61E-09	2.94E-11	3.92E-11	6.53E-12	1.02E-08	8.78E-09	2.32E-10	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.69E-07	6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09
Dust	7.95E-11	1.41E-08	2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-
	8.93E-11	**1.85E-07**	**8.58E-11**	**5.62E-09**	**3.69E-09**	**2.5E-08**	**2.68E-10**	**1.57E-09**	**5.95E-11**	**9.32E-08**	**1.17E-06**	**2.11E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.69E-07	6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09
Dust	7.95E-11	1.41E-08	2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-
	7.95E-11	**1.83E-07**	**8.3E-11**	**5.13E-09**	**3.29E-09**	**2.24E-08**	**2.39E-10**	**1.53E-09**	**5.3E-11**	**8.3E-08**	**1.16E-06**	**1.88E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	2.61E-07	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09
Dust	1.22E-10	2.17E-08	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-
	1.22E-10	**2.82E-07**	**1.28E-10**	**7.9E-09**	**5.06E-09**	**3.45E-08**	**3.67E-10**	**2.35E-09**	**8.16E-11**	**1.28E-07**	**1.78E-06**	**2.9E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.9E-07**	**3.79E-08**	**5.67E-09**
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	5.85E-09	6.38E-07	1.97E-09	2.07E-08	1.05E-07	1.73E-07	3.00E-09	1.14E-08	4.50E-10	5.57E-07	8.84E-07	4.97E-08	-	-	-	-	-	-	-
LDA-TOT	-	3.13E-07	1.12E-10	2.23E-09	-	2.23E-09	-	2.23E-09	-	-	2.01E-06	-	2.03E-07	1.04E-07	9.21E-07	3.91E-07	5.88E-07	4.55E-08	6.80E-09
Dust	1.47E-10	2.61E-08	4.16E-11	7.24E-09	6.07E-09	3.92E-08	4.40E-10	5.87E-10	9.79E-11	1.53E-07	1.32E-07	3.47E-09	-	-	-	-	-	-	-
	6.07E-09	**9.89E-07**	**2.14E-09**	**3.38E-08**	**1.14E-07**	**2.33E-07**	**3.66E-09**	**1.45E-08**	**5.97E-10**	**7.87E-07**	**3.09E-06**	**5.49E-08**	**2.03E-07**	**1.04E-07**	**9.21E-07**	**3.91E-07**	**5.88E-07**	**4.55E-08**	**6.8E-09**
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.65E-10	2.93E-08	4.68E-11	8.15E-09	6.83E-09	4.40E-08	4.96E-10	6.61E-10	1.10E-10	1.72E-07	1.48E-07	3.91E-09	-	-	-	-	-	-	-
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.56E-07	5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	2.39E-10	**1.99E-07**	**1.23E-10**	**1.29E-08**	**9.86E-09**	**6.47E-08**	**7.16E-10**	**2.07E-09**	**1.59E-10**	**2.49E-07**	**1.22E-06**	**5.65E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT	-	1.16E-06	4.13E-10	8.27E-09	-	8.27E-09	-	8.27E-09	-	-	7.44E-06	-	1.44E-07	7.35E-08	6.51E-07	2.76E-07	4.16E-07	3.22E-08	4.81E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
LDA-TOT	-	1.04E-07	3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09
Dust	4.89E-11	8.70E-09	1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-
	7.34E-11	**1.27E-06**	**4.71E-10**	**1.26E-08**	**3.03E-09**	**2.86E-08**	**2.2E-10**	**9.31E-09**	**4.89E-11**	**7.66E-08**	**8.18E-06**	**1.74E-09**	**2.11E-07**	**1.08E-07**	**9.58E-07**	**4.06E-07**	**6.12E-07**	**4.74E-08**	**7.08E-09**
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.71E-10	3.04E-08	4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
LDT2-TOT	-	3.94E-08	1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
LDA-TOT	-	6.51E-08	2.33E-11	4.65E-10	-	4.65E-10	-	4.65E-10	-	-	4.19E-07	-	4.23E-08	2.17E-08	1.92E-07	8.14E-08	1.23E-07	9.49E-09	1.42E-09
Dust	3.06E-11	5.43E-09	8.67E-12	1.51E-09	1.26E-09	8.16E-09	9.18E-11	1.22E-10	2.04E-11	3.19E-08	2.74E-08	7.24E-10	-	-	-	-	-	-	-
	2.26E-10	**1.45E-07**	**1.01E-10**	**1.19E-08**	**9.36E-09**	**6.11E-08**	**6.79E-10**	**1.65E-09**	**1.51E-10**	**2.36E-07**	**8.75E-07**	**5.36E-09**	**6.23E-08**	**3.19E-08**	**2.82E-07**	**1.2E-07**	**1.8E-07**	**1.4E-08**	**2.09E-09**
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.96E-07	4.32E-05	1.33E-07	1.40E-06	7.12E-06	1.17E-05	2.03E-07	7.72E-07	3.05E-08	3.77E-05	5.99E-05	3.36E-06	-	-	-	-	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
	3.96E-07	**4.32E-05**	**1.33E-07**	**1.4E-06**	**7.12E-06**	**1.17E-05**	**2.03E-07**	**7.72E-07**	**3.05E-08**	**3.77E-05**	**6.02E-05**	**3.36E-06**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	6.12E-12	1.09E-09	1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-
LDT2-TOT	-	3.94E-08	1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
	4.28E-11	**9.91E-08**	**4.48E-11**	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.56E-07	5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	7.34E-11	**1.69E-07**	**7.66E-11**	**4.74E-09**	**3.03E-09**	**2.07E-08**	**2.2E-10**	**1.41E-09**	**4.89E-11**	**7.66E-08**	**1.07E-06**	**1.74E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.71E-10	3.04E-08	4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-
	1.71E-10	**3.04E-08**	**4.85E-11**	**8.45E-09**	**7.08E-09**	**4.57E-08**	**5.14E-10**	**6.85E-10**	**1.14E-10**	**1.79E-07**	**1.54E-07**	**4.05E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	4.0.E-07	**4.7.E-05**	**1.4.E-07**	**1.5.E-06**	**7.3.E-06**	**1.2.E-05**	**2.1.E-07**	**8.1.E-07**	**3.2.E-08**	**4.0.E-05**	**8.2.E-05**	**3.4.E-06**	**1.4.E-06**	**6.9.E-07**	**6.1.E-06**	**3.3.E-05**	**3.9.E-06**	**3.0.E-07**	**4.5.E-08**
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	7.34E-11	1.30E-08	2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-
	5.85E-08	6.38E-06	1.97E-08	2.07E-07	1.05E-06	1.73E-06	3.00E-08	1.14E-07	4.50E-09	5.57E-06	8.84E-06	4.97E-07	-	-	-	-	-	-	-
LDA-TOT	-	3.91E-07	1.40E-10	2.79E-09	-	2.79E-09	-	2.79E-09	-	-	2.51E-06	-	2.54E-07	1.30E-07	1.15E-06	4.88E-07	7.36E-07	5.69E-08	8.51E-09
Dust	1.84E-10	3.26E-08	5.20E-11	9.05E-09	7.59E-09	4.89E-08	5.51E-10	7.34E-10	1.22E-10	1.92E-07	1.65E-07	4.34E-09	-	-	-	-	-	-	-
	5.88E-08	**6.81E-06**	**1.99E-08**	**2.22E-07**	**1.06E-06**	**1.8E-06**	**3.08E-08**	**1.18E-07**	**4.67E-09**	**5.84E-06**	**1.16E-05**	**5.03E-07**	**2.54E-07**	**1.3E-07**	**1.15E-06**	**4.88E-07**	**7.36E-07**	**5.69E-08**	**8.51E-09**

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.71E-10	3.04E-08	4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	1.04E-07	3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09
Dust	4.89E-11	8.70E-09	1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-
	2.2E-10	**1.43E-07**	**9.96E-11**	**1.16E-08**	**9.1E-09**	**5.95E-08**	**6.61E-10**	**1.63E-09**	**1.47E-10**	**2.3E-07**	**8.68E-07**	**5.21E-09**	**6.77E-08**	**3.47E-08**	**3.07E-07**	**1.3E-07**	**1.96E-07**	**1.52E-08**	**2.27E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT	-	7.87E-08	2.81E-11	5.62E-10	-	5.62E-10	-	5.62E-10	-	-	5.06E-07	-	3.99E-08	2.04E-08	1.81E-07	7.68E-08	1.16E-07	8.95E-09	1.34E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
LDA-TOT	-	1.04E-07	3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09
Dust	4.89E-11	8.70E-09	1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-
	7.34E-11	**1.96E-07**	**8.61E-11**	**4.93E-09**	**3.03E-09**	**2.09E-08**	**2.2E-10**	**1.6E-09**	**4.89E-11**	**7.66E-08**	**1.24E-06**	**1.74E-09**	**1.08E-07**	**5.51E-08**	**4.88E-07**	**2.07E-07**	**3.12E-07**	**2.41E-08**	**3.61E-09**
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	3.79E-09	6.74E-07	1.07E-09	1.87E-07	1.57E-07	1.01E-06	1.14E-08	1.52E-08	2.53E-09	3.96E-06	3.40E-06	8.97E-08	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	5.51E-11	9.78E-09	1.56E-11	2.72E-09	2.28E-09	1.47E-08	1.65E-10	2.20E-10	3.67E-11	5.75E-08	4.94E-08	1.30E-09	-	-	-	-	-	-	-
LDT2-TOT	-	3.94E-08	1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
LDA-TOT	-	6.51E-08	2.33E-11	4.65E-10	-	4.65E-10	-	4.65E-10	-	-	4.19E-07	-	4.23E-08	2.17E-08	1.92E-07	8.14E-08	1.23E-07	9.49E-09	1.42E-09
Dust	3.06E-11	5.43E-09	8.67E-12	1.51E-09	1.26E-09	8.16E-09	9.18E-11	1.22E-10	2.04E-11	3.19E-08	2.74E-08	7.24E-10	-	-	-	-	-	-	-
	3.89E-09	**7.96E-07**	**1.14E-09**	**1.93E-07**	**1.61E-07**	**1.04E-06**	**1.17E-08**	**1.63E-08**	**2.59E-09**	**4.06E-06**	**4.16E-06**	**9.21E-08**	**6.23E-08**	**3.19E-08**	**2.82E-07**	**1.2E-07**	**1.8E-07**	**1.4E-08**	**2.09E-09**
Graders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.96E-07	4.32E-05	1.33E-07	1.40E-06	7.12E-06	1.17E-05	2.03E-07	7.72E-07	3.05E-08	3.77E-05	5.99E-05	3.36E-06	-	-	-	-	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
	3.96E-07	**4.32E-05**	**1.33E-07**	**1.4E-06**	**7.12E-06**	**1.17E-05**	**2.03E-07**	**7.72E-07**	**3.05E-08**	**3.77E-05**	**6.02E-05**	**3.36E-06**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	6.12E-12	1.09E-09	1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-
LDT2-TOT	-	3.94E-08	1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10
Dust	1.22E-11	2.17E-09	3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-
LDA-TOT	-	5.21E-08	1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-

Offroad																			
Equipment	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl eth
Category	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933
	4.28E-11	**9.91E-08**	**4.48E-11**	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	9.77E-08	3.49E-11	6.98E-10	-	6.98E-10	-	6.98E-10	-	-	6.28E-07	-	6.35E-08	3.25E-08	2.88E-07	1.22E-07	1.84E-07	1.42E-08	2.13E-09
Dust	4.59E-11	8.15E-09	1.30E-11	2.26E-09	1.90E-09	1.22E-08	1.38E-10	1.84E-10	3.06E-11	4.79E-08	4.12E-08	1.09E-09	-	-	-	-	-	-	-
	4.59E-11	**1.06E-07**	**4.79E-11**	**2.96E-09**	**1.9E-09**	**1.29E-08**	**1.38E-10**	**8.81E-10**	**3.06E-11**	**4.79E-08**	**6.69E-07**	**1.09E-09**	**6.35E-08**	**3.25E-08**	**2.88E-07**	**1.22E-07**	**1.84E-07**	**1.42E-08**	**2.13E-09**
Trenchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	3.26E-08	1.16E-11	2.33E-10	-	2.33E-10	-	2.33E-10	-	-	2.09E-07	-	2.12E-08	1.08E-08	9.59E-08	4.07E-08	6.13E-08	4.74E-09	7.09E-10
Dust	1.53E-11	2.72E-09	4.33E-12	7.55E-10	6.32E-10	4.08E-09	4.59E-11	6.12E-11	1.02E-11	1.60E-08	1.37E-08	3.62E-10	-	-	-	-	-	-	-
	1.53E-11	**3.53E-08**	**1.6E-11**	**9.87E-10**	**6.32E-10**	**4.31E-09**	**4.59E-11**	**2.94E-10**	**1.02E-11**	**1.6E-08**	**2.23E-07**	**3.62E-10**	**2.12E-08**	**1.08E-08**	**9.59E-08**	**4.07E-08**	**6.13E-08**	**4.74E-09**	**7.09E-10**
Air Compressors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	2.45E-11	4.35E-09	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	2.20E-11	3.91E-09	6.24E-12	1.09E-09	9.10E-10	5.87E-09	6.61E-11	8.81E-11	1.47E-11	2.30E-08	1.98E-08	5.21E-10	-	-	-	-	-	-	-
Off-Highway Trucks	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cranes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forklifts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	-	3.52E-06	1.26E-09	2.51E-08	-	2.51E-08	-	2.51E-08	-	-	2.26E-05	-	2.29E-06	1.17E-06	1.04E-05	4.40E-06	6.62E-06	5.12E-07	7.65E-08
Dust	1.65E-09	2.93E-07	4.68E-10	8.15E-08	6.83E-08	4.40E-07	4.96E-09	6.61E-09	1.10E-09	1.72E-06	1.48E-06	3.91E-08	-	-	-	-	-	-	-
	1.7E-09	**3.82E-06**	**1.74E-09**	**1.09E-07**	**7.02E-08**	**4.78E-07**	**5.09E-09**	**3.19E-08**	**1.13E-09**	**1.77E-06**	**2.41E-05**	**4.02E-08**	**2.29E-06**	**1.17E-06**	**1.04E-05**	**4.4E-06**	**6.62E-06**	**5.12E-07**	**7.65E-08**
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	1.71E-10	3.04E-08	4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-
	1.71E-10	**3.04E-08**	**4.85E-11**	**8.45E-09**	**7.08E-09**	**4.57E-08**	**5.14E-10**	**6.85E-10**	**1.14E-10**	**1.79E-07**	**1.54E-07**	**4.05E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	5.E-07	**6.E-05**	**2.E-07**	**2.E-06**	**8.E-06**	**2.E-05**	**3.E-07**	**9.E-07**	**4.E-08**	**5.E-05**	**1.E-04**	**4.E-06**	**3.E-06**	**2.E-06**	**1.E-05**	**4.E-05**	**9.E-06**	**7.E-07**	**1.E-07**

Offroad										
Equipment	**yl ketone (mek) (2-butanone)**	**m-xylene**	**naphthalene**	**n-hexane**	**o-xylene**	**propene**	**p-xylene**	**styrene**	**toluene**	**acrolein (2-propenal)**
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Cranes	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Crushing/Proc. Equipment	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.11E-06	1.46E-08	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.11E-06	**1.46E-08**	**4.96E-07**	**3.84E-07**	**9.51E-07**	**0.00E+00**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Excavators	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	3.32E-06	4.39E-08	1.49E-06	1.15E-06	2.85E-06	-	1.14E-07	5.36E-06	1.23E-07	
Dust	-	-	-	-	-	-	-	-	-	
	3.32E-06	**4.39E-08**	**1.49E-06**	**1.15E-06**	**2.85E-06**	**0.00E+00**	**1.14E-07**	**5.36E-06**	**1.23E-07**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
LDA-TOT	5.81E-07	7.69E-09	2.61E-07	2.02E-07	4.99E-07	-	2.00E-08	9.38E-07	2.16E-08	
Dust	-	-	-	-	-	-	-	-	-	
	5.81E-07	**7.69E-09**	**2.61E-07**	**2.02E-07**	**4.99E-07**	**0.00E+00**	**2.00E-08**	**9.38E-07**	**2.16E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Air Compressors	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.11E-06	1.46E-08	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.11E-06	**1.46E-08**	**4.96E-07**	**3.84E-07**	**9.51E-07**	**0.00E+00**	**3.81E-08**	**1.79E-06**	**4.11E-08**	

Offroad										
Equipment	yl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.94E-07	2.56E-09	8.69E-08	6.73E-08	1.66E-07	-	6.67E-09	3.13E-07	7.20E-09	
Dust	-	-	-	-	-	-	-	-	-	
	1.94E-07	**2.56E-09**	**8.69E-08**	**6.73E-08**	**1.66E-07**	**-**	**6.67E-09**	**3.13E-07**	**7.2E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.11E-06	1.46E-08	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.11E-06	**1.46E-08**	**4.96E-07**	**3.84E-07**	**9.51E-07**	**-**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.16E-07	2.86E-09	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.16E-07	**2.86E-09**	**9.68E-08**	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Excavators	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.16E-07	2.86E-09	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.16E-07	**2.86E-09**	**9.68E-08**	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.16E-07	2.86E-09	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.16E-07	**2.86E-09**	**9.68E-08**	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	

Offroad										
Equipment	yl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Graders	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
LDA-TOT	6.64E-07	8.78E-09	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	-	-	
	6.64E-07	**8.78E-09**	**2.98E-07**	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	-	-	
LDT2-TOT	5.22E-07	6.91E-09	2.34E-07	1.81E-07	4.49E-07	-	1.80E-08	8.43E-07	1.94E-08	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	8.85E-07	1.17E-08	3.97E-07	3.07E-07	7.61E-07	-	3.05E-08	1.43E-06	3.29E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.41E-06	**1.86E-08**	**6.31E-07**	**4.89E-07**	**1.21E-06**	**-**	**4.85E-08**	**2.27E-06**	**5.23E-08**	
Crushing/Proc. Equipment	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	3.65E-07	4.83E-09	1.64E-07	1.27E-07	3.14E-07	-	1.26E-08	5.90E-07	1.36E-08	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	7.74E-07	1.02E-08	3.48E-07	2.69E-07	6.66E-07	-	2.67E-08	1.25E-06	2.88E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.14E-06	**1.51E-08**	**5.11E-07**	**3.96E-07**	**9.79E-07**	**-**	**3.93E-08**	**1.84E-06**	**4.24E-08**	
Graders	-	-	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.21E-07	**2.93E-09**	**9.93E-08**	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	1.30E-07	1.73E-09	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	
	3.52E-07	**4.66E-09**	**1.58E-07**	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	

Offroad										
Equipment	yl ketone (mek) (2-butanone)									
	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Trenchers	-	-	-	-	-	-	-	-	-	
LDA-TOT	6.64E-07	8.78E-09	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	-	-	
	6.64E-07	**8.78E-09**	**2.98E-07**	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
	1.3.E-05	**1.7.E-07**	**5.6.E-06**	**5.3.E-05**	**1.1.E-05**	**0.0.E+00**	**4.3.E-07**	**1.0.E-04**	**4.6.E-07**	
Cranes	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
LDA-TOT	5.53E-07	7.32E-09	2.48E-07	1.92E-07	4.75E-07	-	1.91E-08	8.94E-07	2.06E-08	
Dust	-	-	-	-	-	-	-	-	-	
	5.53E-07	**7.32E-09**	**2.48E-07**	**1.92E-07**	**4.75E-07**	**-**	**1.91E-08**	**8.94E-07**	**2.06E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	7.19E-07	9.52E-09	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	-	-	
	7.19E-07	**9.52E-09**	**3.23E-07**	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Excavators	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	7.19E-07	9.52E-09	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	-	-	
	7.19E-07	**9.52E-09**	**3.23E-07**	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	

Offroad										
Equipment	yl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	-	-	
LDA-TOT	7.19E-07	9.52E-09	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	-	-	
	7.19E-07	**9.52E-09**	**3.23E-07**	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.11E-06	1.46E-08	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.11E-06	**1.46E-08**	**4.96E-07**	**3.84E-07**	**9.51E-07**	**-**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Excavators	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.33E-06	1.76E-08	5.96E-07	4.61E-07	1.14E-06	-	4.58E-08	2.14E-06	4.93E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.33E-06	**1.76E-08**	**5.96E-07**	**4.61E-07**	**1.14E-06**	**-**	**4.58E-08**	**2.14E-06**	**4.93E-08**	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
Graders	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
LDA-TOT	6.64E-07	8.78E-09	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	-	-	
	6.64E-07	**8.78E-09**	**2.98E-07**	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	-	-	
LDT2-TOT	9.38E-07	1.24E-08	4.21E-07	3.26E-07	8.07E-07	-	3.23E-08	1.52E-06	3.49E-08	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	4.42E-07	5.86E-09	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.38E-06	**1.83E-08**	**6.2E-07**	**4.8E-07**	**1.19E-06**	**-**	**4.76E-08**	**2.23E-06**	**5.13E-08**	
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	1.30E-07	1.73E-09	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	

Offroad										
Equipment	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	yl ketone (mek) (2-butanone)
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.77E-07	3.66E-09	1.24E-07	9.61E-08	2.38E-07	-	9.53E-09	4.47E-07	1.03E-08	
Dust	-	-	-	-	-	-	-	-	-	
	4.07E-07	**5.39E-09**	**1.83E-07**	**1.41E-07**	**3.5E-07**	**-**	**1.4E-08**	**6.58E-07**	**1.51E-08**	
Graders	-	-	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.21E-07	**2.93E-09**	**9.93E-08**	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	1.30E-07	1.73E-09	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	
	3.52E-07	**4.66E-09**	**1.58E-07**	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	
Trenchers	-	-	-	-	-	-	-	-	-	
LDA-TOT	6.64E-07	8.78E-09	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	-	-	
	6.64E-07	**8.78E-09**	**2.98E-07**	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
	8.8.E-06	**1.2.E-07**	**4.0.E-06**	**5.2.E-05**	**7.6.E-06**	**0.0.E+00**	**3.0.E-07**	**9.9.E-05**	**3.3.E-07**	
Excavators	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.66E-06	2.20E-08	7.45E-07	5.77E-07	1.43E-06	-	5.72E-08	2.68E-06	6.17E-08	
Dust	-	-	-	-	-	-	-	-	-	
	1.66E-06	**2.2E-08**	**7.45E-07**	**5.77E-07**	**1.43E-06**	**-**	**5.72E-08**	**2.68E-06**	**6.17E-08**	

Offroad										
Equipment	yl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
Graders	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
LDA-TOT	4.42E-07	5.86E-09	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	-	-	
	4.42E-07	**5.86E-09**	**1.99E-07**	**1.54E-07**	**3.8E-07**	**-**	**1.53E-08**	**7.15E-07**	**1.64E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	-	-	
LDT2-TOT	2.61E-07	3.45E-09	1.17E-07	9.07E-08	2.24E-07	-	8.99E-09	4.22E-07	9.70E-09	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	4.42E-07	5.86E-09	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	-	-	
	7.03E-07	**9.31E-09**	**3.16E-07**	**2.44E-07**	**6.05E-07**	**-**	**2.42E-08**	**1.14E-06**	**2.61E-08**	
Concrete/Industrial Saws	-	-	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	1.30E-07	1.73E-09	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.77E-07	3.66E-09	1.24E-07	9.61E-08	2.38E-07	-	9.53E-09	4.47E-07	1.03E-08	
Dust	-	-	-	-	-	-	-	-	-	
	4.07E-07	**5.39E-09**	**1.83E-07**	**1.41E-07**	**3.5E-07**	**-**	**1.4E-08**	**6.58E-07**	**1.51E-08**	
Graders	-	-	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	
	2.21E-07	**2.93E-09**	**9.93E-08**	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
LDT2-TOT	1.30E-07	1.73E-09	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	-	-	
	-	-	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	2.21E-07	2.93E-09	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	-	-	

Offroad										
Equipment	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	
Category	108383	91203	110543	95476	115071	106423	100425	108883	107028	
	3.52E-07	**4.66E-09**	**1.58E-07**	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	
Trenchers	-	-	-	-	-	-	-	-	-	
LDA-TOT	4.15E-07	5.49E-09	1.86E-07	1.44E-07	3.57E-07	-	1.43E-08	6.70E-07	1.54E-08	
Dust	-	-	-	-	-	-	-	-	-	
	4.15E-07	**5.49E-09**	**1.86E-07**	**1.44E-07**	**3.57E-07**	**-**	**1.43E-08**	**6.7E-07**	**1.54E-08**	
Trenchers	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.38E-07	1.83E-09	6.21E-08	4.80E-08	1.19E-07	-	4.77E-09	2.23E-07	5.14E-09	
Dust	-	-	-	-	-	-	-	-	-	
	1.38E-07	**1.83E-09**	**6.21E-08**	**4.8E-08**	**1.19E-07**	**-**	**4.77E-09**	**2.23E-07**	**5.14E-09**	
Air Compressors	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
Off-Highway Trucks	-	-	-	-	-	-	-	-	-	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	-	-	
Cranes	-	-	-	-	-	-	-	-	-	
Forklifts	-	-	-	-	-	-	-	-	-	
LDA-TOT	1.49E-05	1.98E-07	6.70E-06	5.19E-06	1.28E-05	-	5.15E-07	2.41E-05	5.55E-07	
Dust	-	-	-	-	-	-	-	-	-	
	1.49E-05	**1.98E-07**	**6.7E-06**	**5.19E-06**	**1.28E-05**	**-**	**5.15E-07**	**2.41E-05**	**5.55E-07**	
HHDT-DSL	-	-	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	
	2.E-05	**3.E-07**	**9.E-06**	**6.E-05**	**2.E-05**	**0.E+00**	**7.E-07**	**1.E-04**	**7.E-07**	

Al Larson Boat Shop Upgrade															
Construction Toxics After Mitigation															
	Marine Work														
	Site Civil Work														
	Building Demolition														
				Duration	**Number**				**Offroad**	**Offroad**	**Peak Day**				
Item	**Description**	**Quantity**		**Work Days**	**of Workers**	**Major Equipment**	**Equipment #**	**Hours/day or Miles/rountrip**	**Equipment Category**	**HP ***	**ROG lbs/hr**	**PM10 lbs/hr**	**Diesel PM 9901**	**ARSENIC 7440382**	
Phase 1 Construction (2011)															
1			SF	20	10										
	Demolish 200' creosote timber wharf			20		Derrick Barge	1	8.0	Cranes	195	0.09	0.03		1.67E-07	
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07	
				20		Vibratory Hammer	1	8.0	Crushing/Proc. Equipment	175	0.22	0.10		5.11E-07	
				20		Track Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		3.16E-07	
	Added by CDM			20		Haul Trucks - Diesel	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09	
				20		Haul Trucks - Fugitive Dust	1	1.0	Dust		-	0.00		1.06E-08	
				20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-	
				20		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08	
					Subtotal						***1***	***0***	***0***	**1.29E-06**	
2	**Demolish buildings D, C1, & H1**	3	each	60	10										
				60		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		3.13E-07	
				60		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		3.16E-07	
				60		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08	
				60		Dump Trucks (2) - Dust		1.0	Dust		-	0.00		2.12E-08	
				60		*Demolition Dust*		8.0			-	0.01		1.20E-07	
				60		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-	
				60		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08	
					Subtotal						***0***	***0***	***0***	**7.87E-07**	
3	**Install 24" Octagonal Prestressed**	32	each	15	7										
	Concrete Piles			15		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07	
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07	
				15		Flat Barge - Deck Winch	1	8.0	Hoist/swing/winch	120	0.08	0.04		1.77E-07	
				15		Flat Barge - Generator 1	1	8.0	Generator Sets	229	0.14	0.05		2.55E-07	
				15		Flat Barge - Generator 2	1	8.0	Generator Sets	90	0.08	0.04		1.78E-07	
				15		Pile-driving Hammer	1	8.0	Generator Sets	190	0.11	0.04		2.12E-07	
				15		*Workers*	7	0.5	LDA-TOT	NA	0.00	0.00		-	
				15		*Workers - Dust*	7	0.5	Dust		-	0.00		3.71E-08	
					Subtotal						***1***	***0***	***0***	**1.59E-06**	
4	**Construct finger piers**	2	each	20	10										
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07	
				15		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07	
				20		Generator Sets	1	8.0	Generator Sets	500	0.21	0.08		4.15E-07	
				20		Air Compressors	1	8.0	Air Compressors	500	0.18	0.07		3.41E-07	
				20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-	
				20		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08	
					Subtotal						***1***	***0***	***0***	**1.48067E-06**	
5	**Install owner furnished 600 ton travel lift**	1	each	5	7										

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				5		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				5		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07
				5		*Workers*	7	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	7	0.5	Dust		-	0.00		3.71E-08
					Subtotal						***0***	***0***	***0***	**7.62E-07**
6	**F & I steel sheet pile wall (CDF Cell #1)**		LF	20	10									
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07
				20		Pile-driving Hammer	1	8.0	Generator Sets	190	0.11	0.04		2.12E-07
				20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				20		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08
					Subtotal						***0***	***0***	***0***	**9.90E-07**
7	**Dredge to elevation -22**	3,000	CY	3	13									
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	2.13	0.81		4.03E-06
				3		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.12	0.04		2.15E-07
				3		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.18	0.07		3.58E-07
				3		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	0.12	0.05		2.67E-07
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				3		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***4***	***2***	***1***	**9.25E-06**
8	**Stabilize dredge material**	3,000	CY	3	13									
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				3		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		2.89E-07
				2		Cement Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09
				2		Cement Trucks - Dust	1	1.0	Dust	NA	-	0.00		1.06E-08
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				3		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***2***	***1***	***0***	**5.19E-06**
9	**Dispose of Dredge material into CDF #1**	3,000	CY	3	13									
				3		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				3		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				3		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				3		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				3		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				3		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***2***	***1***	***0***	**4.88E-06**
10	**Import clean soil to bring upland elevation to street level**	1	LS	15	8									
				15		Dump Trucks	7	1.0	HHDT-DSL	NA	0.02	0.01		5.79E-08
				15		*Dust*	7	1.0	Dust	NA	-	0.01		7.42E-08

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				15		Motor blade grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				15		Drum roller	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				15		*Workers - Dust*	8	0.5	Dust		-	0.00		4.24E-08
				Subtotal							***0***	***0***	***0***	**7.53E-07**
11	**Storm Water System w/ oil-water separator**	1	LS	20	8									
				20		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				20		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				20		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				20		*Dust*	2	1.0	Dust	NA	-	0.00		2.12E-08
				20		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				20		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
				Subtotal							***0***	***0***	***0***	**6.18E-07**
12	**Soil Export and Asphalt Removals**	1	LS	14	10									
				14		Asphalt breaker	1	8.0	Crushing/Proc. Equipment	175	0.22	0.06		2.89E-07
				14		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		2.89E-07
				14		Dump Trucks - Soil	7	1.0	HHDT-DSL	NA	1.79	0.46		2.31E-06
				14		Dust	7	1.0	Dust	NA	1.11	0.46		6.02E-06
				14		Dump Trucks - Concrete	4	1.0	HHDT-DSL	NA	0.01	0.01		3.31E-08
				14		Dust	4	1.0	Dust	NA	-	0.00		4.24E-08
				14		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				14		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				14		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				14		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08
				Subtotal							***3***	***1***	***1***	**9.06E-06**
13	**Grading**	1	LS	5	8									
				5		Blade grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.12		5.79E-07
				5		Roller (Smooth drum)	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				5		*Grading Fugitive Dust*	0.2	8.0			-	0.05		1.22E-06
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust		-	0.00		4.24E-08
				Subtotal							***1***	***0***	***0***	**2.42E-06**
14	**Paving**	1	LS	5	8									
				5		Small loader (Backhoe loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				5		Asphalt paver	1	8.0	Pavers	175	0.20	0.06		2.89E-07
				5		On-road Asphalt trucks	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09
				5		Dust	1	1.0	Dust	NA	-	0.00		1.06E-08
				5		Pick up trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				5		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				5		*Paving Fugitive VOC*	0.2	8.0			0.07	-		-
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
				Subtotal							***0***	***0***	***0***	**6.37E-07**
15	**Lighting Improvements**	1	LS	15	8									

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**3.32E-07**
16	**Service Truck (Small Deliveries, Port-a-Potties, Utilities)**			100	N/A									
				100		Service trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				100		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
					Subtotal						***0.01***	***0.00***	***0.00***	**3.77E-08**
	Total			323							17	7	4.5.E+00	4.0.E-05
Phase 2 Construction														
1	**Demolish finger piers**	2	each	10	10									
				10		Derrick Barge	1	8.0	Cranes	195	0.09	0.03		1.67E-07
				10		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07
				10		Vibratory Hammer	1	8.0	Concrete/Industrial Saws	45	0.10	0.03		1.28E-07
				10		Track Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		2.89E-07
				10		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08
					Subtotal						***0***	***0***	***0***	**8.59E-07**
2	**Dredge to elevation -22**	16,000	CY	10	13									
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				10		Derrick Barge Deck Winch	1	8.0	Hoist/swing/winch	238	0.12	0.04		2.15E-07
				10		Derrick Barge-Generator 1	1	8.0	Generator Sets	432	0.18	0.07		3.58E-07
				10		Derrick Barge-Generator 2	1	8.0	Generator Sets	135	0.12	0.05		2.67E-07
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***2***	***1***	***0***	**5.73E-06**
3	**Stabilize dredge material**	16,000	CY	10	13									
				10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				10		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		2.89E-07
				4		Cement Trucks	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				4		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***2***	***1***	***0***	**5.21E-06**
4	**Dispose of Dredge material into CDF**	16,000	CY	10	13									
	#1			10		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				10		2 ea Flat Barges or Dump Scows	2	8.0	Hoist/swing/winch	335	0.23	0.09		4.43E-07
				10		Tug Boat - (Main Engine)	1	4.0	NA	702	1.05	0.66		3.28E-06
				10		Tug Boat - (Auxiliary Engine)	1	4.0	NA	50	0.31	0.12		5.88E-07
				10		*Workers*	13	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	13	0.5	Dust		-	0.01		6.89E-08
					Subtotal						***2***	***1***	***0***	**4.88E-06**
5	**F & I steel sheet pile wall (CDF Cell #2)**		LF	20	10									
				20		Derrick Barge Crane Hoist	1	8.0	Hoist/swing/winch	564	0.27	0.10		5.04E-07
				20		Flat Barge - Main Hoist	1	8.0	Hoist/swing/winch	335	0.12	0.04		2.22E-07
				20		Pile Driving Hammer	1	8.0	Generator Sets	190	0.11	0.04		2.12E-07
				20		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				20		*Workers - Dust*	10	0.5	Dust		-	0.00		5.30E-08
					Subtotal						***0***	***0***	***0***	**9.90E-07**
6	**Demolish building H2**	1	each	30	8									
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		2.89E-07
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		3.16E-07
				30		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				30		*Dust*	2	1.0	Dust	NA	-	0.00		2.12E-08
				30		*Demolition Dust*		8.0			-	0.00		3.00E-08
				30		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				30		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**7.16E-07**
7		1	LS	15	8									
	Import clean soil to bring upland elevation to cell elevation and Trench back fill			15		Dump Trucks - Soil	9	1.0	HHDT-DSL	NA	0.02	0.01		7.44E-08
				15		Dust	9	1.0	Dust	NA	-	0.01		9.54E-08
				15		Motor blade grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				15		Drum roller	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**7.91E-07**
8	**Storm Water System w/ oil-water separator**	1	LS	10	8									
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				10		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				10		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.01	0.00		-
				10		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**6.18E-07**
9	**Soil Export and Asphalt Removals**		LS	5	10									
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	0.12	0.06		2.91E-07
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		2.89E-07
				5		Dump Trucks - Soil	28	1.0	HHDT-DSL	NA	0.08	0.05		2.31E-07
				5		Dust	28	1.0	Dust	NA	-	0.02		2.97E-07
				5		Dump Trucks - Concrete	4	1.0	HHDT-DSL	NA	0.00	0.00		1.12E-09
				5		Dust	4	1.0	Dust	NA	-	0.00		2.12E-08
				5		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-

Item	Description	Quantity		Duration Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				5		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				5		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	10	0.5	Dust	NA	-	0.00		5.30E-08
				Subtotal							***0***	***0***	***0***	**1.21E-06**
10	**Grading**	1	LS	5	8									
				5		Blade grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				5		Small dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.12		5.79E-07
				5		Roller (Smooth drum)	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				5		*Grading Fugitive Dust*	0.14	8.0			-	0.05		1.22E-06
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust		-	0.00		4.24E-08
				Subtotal							***1***	***0***	***0***	**2.42E-06**
11	**Paving**	1	LS	5	8									
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				5		Asphalt Paver	1	8.0	Pavers	175	0.20	0.06		2.89E-07
				5		Onroad Asphalt Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09
				5		Dust	1	1.0	Dust	NA	-	0.00		1.06E-08
				5		Pick up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				5		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				5		*Paving Fugitive VOC*	0.14	8.0			0.07	-		-
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust		-	0.00		4.24E-08
				Subtotal							***0***	***0***	***0***	**6.37E-07**
12	**Lighting Improvements**	1	LS	15	8									
				15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				15		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				15		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
				Subtotal							***0***	***0***	***0***	**3.32E-07**
13	**Service Vehicles and Deliveries**	1	LS	70	N/A									
				70		Service Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				70			2	1.0	Dust	NA	-	0.00		2.12E-08
				Subtotal							***0***	***0***	**0.00**	**3.77E-08**
Total				215							10	5	2.1.E+00	2.4.E-05
Phase 3 Construction														
1	**Demolish buildings A2 & A3**	2	each	30	10									
				30		Excavator with Ram-Hoe	1	8.0	Excavators	175	0.14	0.06		2.89E-07
				30		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		2.89E-07
				30		Dump Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				30		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				30		*Demolition Dust*		8.0			-	0.01		3.00E-07
				30		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				30		*Workers - Dust*	10	0.5	Dust	NA	-	0.00		5.30E-08
				Subtotal							***0***	***0***	**0.12**	**9.69E-07**

				Duration	Number				Offroad	Offroad	Peak Day			
Item	Description	Quantity		Work Days	of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Equipment Category	HP *	ROG lbs/hr	PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
2		1	LS	10	8							-		
	Import clean soil to bring upland elevation to street level, trench backfill			10		Dump Trucks	14	1.0	HHDT-DSL	NA	0.04	0.02		1.16E-07
				10		Dust	14	1.0	Dust	NA	-	0.01		1.48E-07
				10		Motor Blade Grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				10		Drum Roller	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**8.85E-07**
3	**Storm Water System w/ oil-water separator**	1	LS	10	8									
				10		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				10		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				10		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				10		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				10		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				10		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***0***	***0***	***0***	**6.18E-07**
4	**Soil Export and Asphalt Removals**		LS	5	10									
				5		Asphalt Breaker	1	8.0	Concrete/Industrial Saws	120	0.12	0.06		2.91E-07
				5		Front End (Wheel) Loader	1	8.0	Rubber Tired Loaders	175	0.14	0.06		2.89E-07
				5		Dump Trucks - Soil	28	1.0	HHDT-DSL	NA	-	0.02		1.14E-07
				5		Dust	28	1.0	Dust	NA	-	0.02		2.97E-07
				5		Dump Trucks - Concrete	9	1.0	HHDT-DSL	NA	0.02	0.01		7.44E-08
				5		Dust	9	1.0	Dust	NA	-	0.01		9.54E-08
				5		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
				5		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				5		*Workers*	10	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	10	0.5	Dust	NA	-	0.00		5.30E-08
					Subtotal						***0***	***0***	***0***	**1.24E-06**
5	**Grading**	1	LS	5	8									
				5		Blade Grader	1	8.0	Graders	175	0.16	0.06		2.89E-07
				5		Small Dozers (2)	2	8.0	Rubber Tired Dozers	175	0.46	0.12		5.79E-07
				5		Roller (Smooth Drum)	1	8.0	Rollers	175	0.14	0.06		2.89E-07
				5		*Grading Fugitive Dust*	0.12	8.0			-	0.05		1.22E-06
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08
					Subtotal						***1***	***0***	***0***	**2.41831E-06**
6	**Paving**	1	LS	5	8									
				5		Small Loader (Backhoe Loader)	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				5		Asphalt Paver	1	8.0	Pavers	175	0.20	0.06		2.89E-07
				5		Onroad Asphalt Trucks	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09
						Dust	1	1.0	Dust	NA	-	0.00		1.06E-08
				5		Pick Up Trucks (2)	2	1.0	LDT2-TOT	NA	0.00	0.00		-
						Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				5		*Paving Fugitive VOC*	0.12	8.0			0.07	-		-
				5		*Workers*	8	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	8	0.5	Dust	NA	-	0.00		4.24E-08

Item	Description	Quantity		Work Days	Number of Workers	Major Equipment	Equipment #	Hours/day or Miles/rountrip	Offroad Equipment Category	Offroad HP *	Peak Day ROG lbs/hr	Peak Day PM10 lbs/hr	Diesel PM 9901	ARSENIC 7440382
				Subtotal							***0***	***0***	***0***	**6.37E-07**
7	**Lighting Improvements**	1	LS	15	5							-		
				15		Trenching Machine	1	8.0	Trenchers	175	0.21	0.06		2.89E-07
				15		*Workers*	5	0.5	LDA-TOT	NA	0.00	0.00		-
				15		*Workers - Dust*	5	0.5	Dust	NA	-	0.00		2.65E-08
				Subtotal							***0***	***0***	***0***	**3.16E-07**
8	**Existing Utility Protection**	1	LS	5	5							-		
				5		Trenching Machine	**1**	8.0	Trenchers	175	0.21	0.06		2.89E-07
				5		*Workers*	5	0.5	LDA-TOT	NA	0.00	0.00		-
				5		*Workers - Dust*	5	0.5	Dust	NA	-	0.00		2.65E-08
				Subtotal							***0***	***0***	***0***	**3.16E-07**
9	**Construct Buildings to replace buildings A2, A3, C1, & D**	1	LS	180	15	Compressor (3)	3	8.0	Air Compressors	120	0.29	0.16		7.85E-07
				20		Flatbed Truck (20 days)	1	1.0	HHDT-DSL	NA	0.00	0.00		8.27E-09
				20		Dust	1	1.0	Dust	NA	-	0.00		1.06E-08
				9		Cement Trucks	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				9		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				90		Boom Truck (90 days)	1	8.0	Off-Highway Trucks	500	0.24	0.08		3.92E-07
				180		Small Loader	1	8.0	Tractors/Loaders/Backhoes	175	0.11	0.05		2.65E-07
				180		Small Crane	1	8.0	Cranes	175	0.11	0.05		2.57E-07
				180		Large Fork Lift	1	8.0	Forklifts	500	0.08	0.03		1.39E-07
				180		*Workers*	15	0.5	LDA-TOT	NA	0.00	0.00		-
				180		*Workers - Dust*	15	0.5	Dust	NA	-	0.01		7.95E-08
				Subtotal							***1***	***0***	***0***	**1.97E-06**
10	**Service Vehicles and Deliveries**	1	LS	70	N/A									
				70		Service Trucks (2)	2	1.0	HHDT-DSL	NA	0.01	0.00		1.65E-08
				70		Dust	2	1.0	Dust	NA	-	0.00		2.12E-08
				Subtotal							***0***	***0***	***0***	**3.77E-08**
	Total			335							4	2	1.E+00	9.E-06

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Cranes	6.01E-07	1.33E-06	1.15E-05	2.00E-08	8.34E-07	1.40E-06	1.33E-06	1.00E-06	6.34E-07	3.34E-07	4.43E-04	5.82E-04	9.68E-07	1.73E-04	6.71E-03	1.83E-03	2.78E-04	1.34E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Crushing/Proc. Equipment	1.84E-06	4.09E-06	3.52E-05	6.13E-08	2.55E-06	4.29E-06	4.09E-06	3.07E-06	1.94E-06	1.02E-06	1.36E-03	1.78E-03	2.96E-06	4.24E-04	1.64E-02	4.47E-03	6.81E-04	3.28E-02
Rubber Tired Loaders	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	2.98E-08	6.61E-08	5.69E-07	9.92E-10	4.13E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	2.04E-04	5.55E-05	8.47E-06	4.08E-04
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	4.65E-06	**9.80E-06**	**1.13E-04**	**1.60E-07**	**7.03E-06**	**1.09E-05**	**1.39E-05**	**7.39E-06**	**4.89E-06**	**2.46E-06**	**3.26E-03**	**4.45E-03**	**7.45E-06**	**1.11E-03**	**4.22E-02**	**1.16E-02**	**1.78E-03**	**8.45E-02**
Excavators	1.13E-06	2.50E-06	2.15E-05	3.76E-08	1.56E-06	2.63E-06	2.50E-06	1.88E-06	1.19E-06	6.26E-07	8.31E-04	1.09E-03	1.82E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	1.75E-07	1.95E-07	2.13E-05	6.55E-08	6.90E-07	3.51E-06	5.75E-06	1.00E-07	3.80E-07	1.50E-08	1.86E-05	2.95E-05	1.66E-06	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	2.70E-06	**5.36E-06**	**9.26E-05**	**1.54E-07**	**4.35E-06**	**9.13E-06**	**1.24E-05**	**3.99E-06**	**3.04E-06**	**1.31E-06**	**1.74E-03**	**2.45E-03**	**5.51E-06**	**5.53E-04**	**2.07E-02**	**5.72E-03**	**8.93E-04**	**4.15E-02**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Hoist/swing/winch	6.38E-07	1.42E-06	1.22E-05	2.13E-08	8.87E-07	1.49E-06	1.42E-06	1.06E-06	6.74E-07	3.55E-07	4.71E-04	6.18E-04	1.03E-06	1.48E-04	5.73E-03	1.56E-03	2.38E-04	1.15E-02
Generator Sets	9.19E-07	2.04E-06	1.76E-05	3.06E-08	1.28E-06	2.14E-06	2.04E-06	1.53E-06	9.70E-07	5.11E-07	6.77E-04	8.90E-04	1.48E-06	2.58E-04	9.98E-03	2.72E-03	4.14E-04	2.00E-02
Generator Sets	6.42E-07	1.43E-06	1.23E-05	2.14E-08	8.91E-07	1.50E-06	1.43E-06	1.07E-06	6.77E-07	3.56E-07	4.73E-04	6.21E-04	1.03E-06	1.53E-04	5.94E-03	1.62E-03	2.46E-04	1.19E-02
Generator Sets	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	1.30E-07	-	1.82E-05	6.51E-09	1.30E-07	-	1.30E-07	-	1.30E-07	-	-	1.17E-04	-	1.19E-05	6.07E-06	5.37E-05	2.28E-05	3.43E-05
Dust	3.43E-08	8.57E-09	1.52E-06	2.43E-09	4.23E-07	3.54E-07	2.28E-06	2.57E-08	3.43E-08	5.71E-09	8.94E-06	7.69E-06	2.03E-07	-	-	-	-	-
	5.74E-06	**1.24E-05**	**1.26E-04**	**1.94693E-07**	**8.29E-06**	**1.34E-05**	**1.48E-05**	**9.31E-06**	**6.05E-06**	**3.1E-06**	**4.12E-03**	**5.52E-03**	**9.18E-06**	**1.51E-03**	**5.81E-02**	**1.59E-02**	**2.43E-03**	**1.16E-01**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	1.49E-06	3.32E-06	2.85E-05	4.98E-08	2.07E-06	3.48E-06	3.32E-06	2.49E-06	1.58E-06	8.29E-07	1.10E-03	1.45E-03	2.40E-06	4.00E-04	1.55E-02	4.22E-03	6.43E-04	3.10E-02
Air Compressors	1.23E-06	2.73E-06	2.34E-05	4.09E-08	1.70E-06	2.86E-06	2.73E-06	2.04E-06	1.29E-06	6.81E-07	9.04E-04	1.19E-03	1.98E-06	3.44E-04	1.33E-02	3.62E-03	5.52E-04	2.66E-02
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	5.52E-06	**1.18E-05**	**1.28E-04**	**1.86985E-07**	**7.59E-06**	**1.24E-05**	**1.20E-05**	**8.88E-06**	**5.81E-06**	**2.96E-06**	**3.93E-03**	**5.33E-03**	**8.59E-06**	**1.49E-03**	**5.70E-02**	**1.56E-02**	**2.40E-03**	**1.14E-01**

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
LDA-TOT	1.30E-07	-	1.82E-05	6.51E-09	1.30E-07	-	1.30E-07	-	1.30E-07	-	-	1.17E-04	-	1.19E-05	6.07E-06	5.37E-05	2.28E-05	3.43E-05
Dust	3.43E-08	8.57E-09	1.52E-06	2.43E-09	4.23E-07	3.54E-07	2.28E-06	2.57E-08	3.43E-08	5.71E-09	8.94E-06	7.69E-06	2.03E-07	-	-	-	-	-
	2.77572E-06	**5.81122E-06**	**6.9661E-05**	**9.59798E-08**	**4.17946E-06**	**6.45E-06**	**8.22E-06**	**4.38E-06**	**2.92E-06**	**1.46E-06**	**0.001934**	**0.002653**	**4.41E-06**	**0.000741**	**0.028207**	**0.007728**	**0.001193**	**0.056466**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	3.60872E-06	**7.50933E-06**	**9.2701E-05**	**1.25228E-07**	**5.4754E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.8E-06**	**1.88E-06**	**0.0025**	**0.003445**	**5.72E-06**	**0.00096**	**0.036488**	**0.010004**	**0.001546**	**0.073048**
Hoist/swing/winch	1.45E-05	3.22E-05	2.77E-04	4.83E-07	2.01E-05	3.38E-05	3.22E-05	2.42E-05	1.53E-05	8.06E-06	1.07E-02	1.40E-02	2.34E-05	4.05E-03	1.57E-01	4.26E-02	6.49E-03	3.13E-01
Hoist/swing/winch	7.75E-07	1.72E-06	1.48E-05	2.58E-08	1.08E-06	1.81E-06	1.72E-06	1.29E-06	8.18E-07	4.31E-07	5.72E-04	7.51E-04	1.25E-06	2.20E-04	8.53E-03	2.32E-03	3.54E-04	1.71E-02
Generator Sets	1.29E-06	2.87E-06	2.46E-05	4.30E-08	1.79E-06	3.01E-06	2.87E-06	2.15E-06	1.36E-06	7.16E-07	9.51E-04	1.25E-03	2.08E-06	3.46E-04	1.34E-02	3.64E-03	5.55E-04	2.68E-02
Generator Sets	9.62E-07	2.14E-06	1.84E-05	3.21E-08	1.34E-06	2.25E-06	2.14E-06	1.60E-06	1.02E-06	5.35E-07	7.09E-04	9.32E-04	1.55E-06	2.30E-04	8.91E-03	2.42E-03	3.69E-04	1.78E-02
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	3.33592E-05	**7.34685E-05**	**6.68E-04**	**1.11839E-06**	**4.69345E-05**	**7.78E-05**	**7.79E-05**	**5.51E-05**	**3.52E-05**	**1.84E-05**	**0.024383**	**0.032237**	**5.36E-05**	**0.00531**	**0.204671**	**0.085299**	**0.009488**	**0.410972**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
Excavators	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
HHDT-DSL	2.97617E-08	6.6137E-08	5.6878E-07	9.92056E-10	4.13357E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	1.87215E-05	**4.09209E-05**	**0.00038889**	**6.30834E-07**	**2.67115E-05**	**4.37E-05**	**4.6E-05**	**3.07E-05**	**1.97E-05**	**1.02E-05**	**0.013588**	**0.018056**	**3.01E-05**	**0.00124**	**0.047144**	**0.04243**	**0.002954**	**0.095746**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	1.76402E-05	**3.85375E-05**	**0.00036798**	**5.94426E-07**	**2.51026E-05**	**4.11E-05**	**4.3E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**0.012795**	**0.017017**	**2.83E-05**	**0.000974**	**0.03684**	**0.039626**	**0.002526**	**0.075128**
HHDT-DSL	2.08332E-07	4.62959E-07	3.9814E-06	6.94439E-09	2.8935E-07	4.86E-07	4.63E-07	3.47E-07	2.2E-07	1.16E-07	0.000154	0.000202	3.36E-07	3.69E-05	0.001429	0.000389	5.93E-05	0.002859
Dust	6.85E-08	1.71E-08	3.04E-06	4.85E-09	8.45E-07	7.08E-07	4.57E-06	5.14E-08	6.85E-08	1.14E-08	1.79E-05	1.54E-05	4.05E-07	-	-	-	-	-

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.54826E-06	**5.11961E-06**	**6.9422E-05**	**9.14609E-08**	**4.65979E-06**	**6.46E-06**	**1.24E-05**	**3.9E-06**	**2.68E-06**	**1.29E-06**	**0.001717**	**0.002377**	**4.33E-06**	**0.000628**	**0.023803**	**0.006537**	**0.001013**	**0.047657**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.31509E-06	**4.44812E-06**	**7.7319E-05**	**8.37272E-08**	**3.75656E-06**	**5.26E-06**	**8.61E-06**	**3.37E-06**	**2.43E-06**	**1.12E-06**	**0.001486**	**0.00218**	**3.56E-06**	**0.000645**	**0.024147**	**0.006666**	**0.001043**	**0.04836**
Crushing/Proc. Equipment	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.24E-04	1.64E-02	4.47E-03	6.81E-04	3.28E-02
Rubber Tired Loaders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	8.33352E-06	1.85189E-05	0.00015926	2.77784E-07	1.15743E-05	1.94E-05	1.85E-05	1.39E-05	8.8E-06	4.63E-06	0.006143	0.008069	1.34E-05	0.003393	0.131317	0.035736	0.005447	0.262776
Dust	5.56E-06	1.39E-06	2.47E-04	3.94E-07	6.85E-05	5.74E-05	3.70E-04	4.17E-06	5.56E-06	9.26E-07	1.45E-03	1.25E-03	3.29E-05	-	-	-	-	-
HHDT-DSL	1.19047E-07	2.64548E-07	2.2751E-06	3.96822E-09	1.65343E-07	2.78E-07	2.65E-07	1.98E-07	1.26E-07	6.61E-08	8.78E-05	0.000115	1.92E-07	2.11E-05	0.000816	0.000222	3.39E-05	0.001634
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	1.64978E-05	**2.4829E-05**	**0.00049469**	**7.67279E-07**	**8.47798E-05**	**8.31E-05**	**0.000401**	**2.18E-05**	**1.71E-05**	**6.8E-06**	**0.009244**	**0.011741**	**5.05E-05**	**0.004128**	**0.15879**	**0.043322**	**0.006634**	**0.317799**
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	2.08E-06	4.63E-06	3.98E-05	6.94E-08	2.89E-06	4.86E-06	4.63E-06	3.47E-06	2.20E-06	1.16E-06	1.54E-03	2.02E-03	3.36E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.78E-06	1.98E-06	2.16E-04	6.65E-07	7.01E-06	3.56E-05	5.84E-05	1.02E-06	3.86E-06	1.52E-07	1.89E-04	2.99E-04	1.68E-05	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	6.13171E-06	**1.12493E-05**	**0.00031798**	**8.14186E-07**	**1.34251E-05**	**4.57E-05**	**7.04E-05**	**7.99E-06**	**8.44E-06**	**2.47E-06**	**0.00327**	**0.004477**	**2.37E-05**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	2.97617E-08	6.6137E-08	5.6878E-07	9.92056E-10	4.13357E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.35464E-06	**4.51671E-06**	**7.8323E-05**	**8.54126E-08**	**3.91862E-06**	**5.43E-06**	**9.33E-06**	**3.43E-06**	**2.47E-06**	**1.14E-06**	**0.001511**	**0.002211**	**3.67E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	1.22972E-06	**2.32465E-06**	**4.2489E-05**	**4.494E-08**	**2.07857E-06**	**2.84E-06**	**5.07E-06**	**1.77E-06**	**1.29E-06**	**5.85E-07**	**0.000778**	**0.001151**	**1.91E-06**	**0.000422**	**0.015805**	**0.004361**	**0.000681**	**0.031653**
HHDT-DSL	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	7.91005E-08	**1.37168E-07**	**2.0071E-06**	**3.37083E-09**	**3.24123E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	1.3.E-04	2.6.E-04	3.1.E-03	5.2.E-06	2.5.E-04	3.7.E-04	7.5.E-04	2.0.E-04	1.3.E-04	6.5.E-05	8.6.E-02	1.2.E-01	2.4.E-04	2.2.E-02	8.3.E-01	3.2.E-01	3.9.E-02	1.7.E+00
Cranes	6.01E-07	1.33E-06	1.15E-05	2.00E-08	8.34E-07	1.40E-06	1.33E-06	1.00E-06	6.34E-07	3.34E-07	4.43E-04	5.82E-04	9.68E-07	1.73E-04	6.71E-03	1.83E-03	2.78E-04	1.34E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Concrete/Industrial Saws	4.60E-07	1.02E-06	8.79E-06	1.53E-08	6.39E-07	1.07E-06	1.02E-06	7.67E-07	4.86E-07	2.56E-07	3.39E-04	4.45E-04	7.41E-07	1.95E-04	7.53E-03	2.05E-03	3.12E-04	1.51E-02
Rubber Tired Loaders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	3.13544E-06	**6.45759E-06**	**8.3657E-05**	**1.09452E-07**	**4.81807E-06**	**7.27E-06**	**9.89E-06**	**4.87E-06**	**3.3E-06**	**1.62E-06**	**0.002151**	**0.002987**	**4.96E-06**	**0.000872**	**0.033106**	**0.009084**	**0.001405**	**0.066279**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.75E-07	1.72E-06	1.48E-05	2.58E-08	1.08E-06	1.81E-06	1.72E-06	1.29E-06	8.18E-07	4.31E-07	5.72E-04	7.51E-04	1.25E-06	2.20E-04	8.53E-03	2.32E-03	3.54E-04	1.71E-02
Generator Sets	1.29E-06	2.87E-06	2.46E-05	4.30E-08	1.79E-06	3.01E-06	2.87E-06	2.15E-06	1.36E-06	7.16E-07	9.51E-04	1.25E-03	2.08E-06	3.46E-04	1.34E-02	3.64E-03	5.55E-04	2.68E-02
Generator Sets	9.62E-07	2.14E-06	1.84E-05	3.21E-08	1.34E-06	2.25E-06	2.14E-06	1.60E-06	1.02E-06	5.35E-07	7.09E-04	9.32E-04	1.55E-06	2.30E-04	8.91E-03	2.42E-03	3.69E-04	1.78E-02
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	2.06675E-05	**4.53E-05**	**0.00042583**	**6.95336E-07**	**2.93072E-05**	**4.82E-05**	**4.97E-05**	**3.4E-05**	**2.18E-05**	**1.13E-05**	**0.015027**	**0.019948**	**3.32E-05**	**0.00177**	**0.067664**	**0.048015**	**0.003805**	**0.136809**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
Excavators	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
HHDT-DSL	5.95E-08	1.32E-07	1.14E-06	1.98E-09	8.27E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	4.08E-04	1.11E-04	1.69E-05	8.17E-04
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	1.8761E-05	**4.10E-05**	**0.00038989**	**6.3252E-07**	**2.68735E-05**	**4.39E-05**	**4.68E-05**	**3.08E-05**	**1.98E-05**	**1.03E-05**	**0.013612**	**0.018087**	**3.02E-05**	**0.001245**	**0.047348**	**0.042486**	**0.002962**	**0.096155**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Hoist/swing/winch	1.60E-06	3.55E-06	3.05E-05	5.32E-08	2.22E-06	3.72E-06	3.55E-06	2.66E-06	1.68E-06	8.87E-07	1.18E-03	1.55E-03	2.57E-06	4.46E-04	1.73E-02	4.70E-03	7.16E-04	3.45E-02
NA	1.18E-05	2.62E-05	2.26E-04	3.94E-07	1.64E-05	2.76E-05	2.62E-05	1.97E-05	1.25E-05	6.56E-06	8.71E-03	1.14E-02	1.90E-05	-	-	2.27E-02	7.36E-04	1.05E-03
NA	2.12E-06	4.70E-06	4.04E-05	7.05E-08	2.94E-06	4.94E-06	4.70E-06	3.53E-06	2.23E-06	1.18E-06	1.56E-03	2.05E-03	3.41E-06	-	-	6.79E-03	2.20E-04	3.14E-04
LDA-TOT	2.42E-07	-	3.39E-05	1.21E-08	2.42E-07	-	2.42E-07	-	2.42E-07	-	-	2.18E-04	-	2.20E-05	1.13E-05	9.98E-05	4.23E-05	6.37E-05
Dust	6.36E-08	1.59E-08	2.83E-06	4.51E-09	7.85E-07	6.57E-07	4.24E-06	4.77E-08	6.36E-08	1.06E-08	1.66E-05	1.43E-05	3.76E-07	-	-	-	-	-
	1.76402E-05	**3.85E-05**	**0.00036798**	**5.94426E-07**	**2.51026E-05**	**4.11E-05**	**4.3E-05**	**2.89E-05**	**1.86E-05**	**9.64E-06**	**0.012795**	**0.017017**	**2.83E-05**	**0.000974**	**0.03684**	**0.039626**	**0.002526**	**0.075128**
Hoist/swing/winch	1.81E-06	4.03E-06	3.47E-05	6.04E-08	2.52E-06	4.23E-06	4.03E-06	3.02E-06	1.91E-06	1.01E-06	1.34E-03	1.76E-03	2.92E-06	5.06E-04	1.96E-02	5.33E-03	8.12E-04	3.92E-02
Hoist/swing/winch	7.98E-07	1.77E-06	1.53E-05	2.66E-08	1.11E-06	1.86E-06	1.77E-06	1.33E-06	8.42E-07	4.43E-07	5.88E-04	7.73E-04	1.29E-06	2.23E-04	8.63E-03	2.35E-03	3.58E-04	1.73E-02
Generator Sets	7.62E-07	1.69E-06	1.46E-05	2.54E-08	1.06E-06	1.78E-06	1.69E-06	1.27E-06	8.05E-07	4.24E-07	5.62E-04	7.38E-04	1.23E-06	2.14E-04	8.28E-03	2.25E-03	3.43E-04	1.66E-02
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	3.61E-06	**7.50933E-06**	**9.2701E-05**	**1.25228E-07**	**5.4754E-06**	**8.38E-06**	**1.09E-05**	**5.66E-06**	**3.8E-06**	**1.88E-06**	**0.0025**	**0.003445**	**5.72E-06**	**0.00096**	**0.036488**	**0.010004**	**0.001546**	**0.073048**
Excavators	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	1.14E-06	2.53E-06	2.17E-05	3.79E-08	1.58E-06	2.65E-06	2.53E-06	1.90E-06	1.20E-06	6.32E-07	8.39E-04	1.10E-03	1.83E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	5.95233E-08	1.32274E-07	1.1376E-06	1.98411E-09	8.26713E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	4.38E-08	4.88E-08	5.31E-06	1.64E-08	1.73E-07	8.76E-07	1.44E-06	2.50E-08	9.50E-08	3.75E-09	4.64E-06	7.37E-06	4.14E-07	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.49013E-06	**5.0385E-06**	**7.1549E-05**	**1.02605E-07**	**4.15514E-06**	**6.71E-06**	**1.05E-05**	**3.8E-06**	**2.67E-06**	**1.26E-06**	**0.00167**	**0.002322**	**4.37E-06**	**0.000549**	**0.020744**	**0.005705**	**0.000886**	**0.041536**
HHDT-DSL	2.67855E-07	5.95233E-07	5.119E-06	8.9285E-09	3.72021E-07	6.25E-07	5.95E-07	4.46E-07	2.83E-07	1.49E-07	0.000197	0.000259	4.32E-07	4.75E-05	0.001837	0.0005	7.62E-05	0.003676
Dust	8.81E-08	2.20E-08	3.91E-06	6.24E-09	1.09E-06	9.10E-07	5.87E-06	6.61E-08	8.81E-08	1.47E-08	2.30E-05	1.98E-05	5.21E-07	-	-	-	-	-
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.62736E-06	**5.25678E-06**	**7.1429E-05**	**9.48317E-08**	**4.98391E-06**	**6.8E-06**	**1.39E-05**	**4.01E-06**	**2.76E-06**	**1.33E-06**	**0.001766**	**0.002439**	**4.54E-06**	**0.000639**	**0.024211**	**0.006648**	**0.00103**	**0.048474**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	1.65E-06	-	2.31E-04	8.27E-08	1.65E-06	-	1.65E-06	-	1.65E-06	-	-	1.49E-03	-	2.87E-05	1.47E-05	1.30E-04	5.52E-05	8.32E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	3.85608E-06	**4.44812E-06**	**0.00029306**	**1.60777E-07**	**5.29755E-06**	**5.26E-06**	**1.02E-05**	**3.37E-06**	**3.97E-06**	**1.12E-06**	**0.001486**	**0.003567**	**3.56E-06**	**0.000666**	**0.024157**	**0.00676**	**0.001082**	**0.04842**
Concrete/Industrial Saws	1.05E-06	2.33E-06	2.00E-05	3.49E-08	1.46E-06	2.44E-06	2.33E-06	1.75E-06	1.11E-06	5.82E-07	7.72E-04	1.01E-03	1.69E-06	2.37E-04	9.16E-03	2.49E-03	3.80E-04	1.83E-02
Rubber Tired Loaders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	8.33327E-07	1.85184E-06	1.5926E-05	2.77776E-08	1.1574E-06	1.94E-06	1.85E-06	1.39E-06	8.8E-07	4.63E-07	0.000614	0.000807	1.34E-06	0.000148	0.005714	0.001555	0.000237	0.011435
Dust	2.74E-07	6.85E-08	1.22E-05	1.94E-08	3.38E-06	2.83E-06	1.83E-05	2.06E-07	2.74E-07	4.57E-08	7.15E-05	6.15E-05	1.62E-06	-	-	-	-	-
HHDT-DSL	4.04772E-09	8.99493E-09	7.7356E-08	1.34924E-10	5.62183E-09	9.44E-09	8.99E-09	6.75E-09	4.27E-09	2.25E-09	2.98E-06	3.92E-06	6.52E-09	2.93E-06	0.000113	3.09E-05	4.71E-06	0.000227
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	3.58741E-06	**6.59434E-06**	**0.00011381**	**1.38137E-07**	**8.83025E-06**	**1.06E-05**	**3.09E-05**	**5.15E-06**	**3.75E-06**	**1.69E-06**	**0.002252**	**0.003184**	**6.86E-06**	**0.000677**	**0.025233**	**0.006976**	**0.001094**	**0.05054**
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	2.08E-06	4.63E-06	3.98E-05	6.94E-08	2.89E-06	4.86E-06	4.63E-06	3.47E-06	2.20E-06	1.16E-06	1.54E-03	2.02E-03	3.36E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.78E-06	1.98E-06	2.16E-04	6.65E-07	7.01E-06	3.56E-05	5.84E-05	1.02E-06	3.86E-06	1.52E-07	1.89E-04	2.99E-04	1.68E-05	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	6.13171E-06	**1.12493E-05**	**0.00031798**	**8.14186E-07**	**1.34251E-05**	**4.57E-05**	**7.04E-05**	**7.99E-06**	**8.44E-06**	**2.47E-06**	**0.00327**	**0.004477**	**2.37E-05**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	2.97617E-08	6.6137E-08	5.6878E-07	9.92056E-10	4.13357E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.35464E-06	**4.51671E-06**	**7.8323E-05**	**8.54126E-08**	**3.91862E-06**	**5.43E-06**	**9.33E-06**	**3.43E-06**	**2.47E-06**	**1.14E-06**	**0.001511**	**2.21E-03**	**3.67E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	1.22972E-06	**2.32465E-06**	**4.2489E-05**	**4.494E-08**	**2.07857E-06**	**2.84E-06**	**5.07E-06**	**1.77E-06**	**1.29E-06**	**5.85E-07**	**0.000778**	**0.001151**	**1.91E-06**	**0.000422**	**0.015805**	**0.004361**	**0.000681**	**0.031653**
HHDT-DSL	5.95233E-08	1.32274E-07	1.1376E-06	1.98411E-09	8.26713E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	7.91005E-08	**1.37168E-07**	**2.0071E-06**	**3.37083E-09**	**3.24123E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	8.6.E-05	1.8.E-04	2.4.E-03	3.6.E-06	1.3.E-04	2.3.E-04	3.1.E-04	1.3.E-04	9.3.E-05	4.4.E-05	5.9.E-02	8.1.E-02	1.5.E-04	1.1.E-02	4.1.E-01	2.0.E-01	2.2.E-02	8.3.E-01
Excavators	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.61E-04	1.01E-02	2.75E-03	4.19E-04	2.02E-02
Rubber Tired Loaders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	5.95233E-08	1.32274E-07	1.1376E-06	1.98411E-09	8.26713E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	4.38E-07	4.88E-07	5.31E-05	1.64E-07	1.73E-06	8.76E-06	1.44E-05	2.50E-07	9.50E-07	3.75E-08	4.64E-05	7.37E-05	4.14E-06	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	2.84E-06	**5.26664E-06**	**1.23E-04**	**2.49338E-07**	**5.73242E-06**	**1.45E-05**	**2.39E-05**	**3.87E-06**	**3.47E-06**	**1.24E-06**	**0.001644**	**0.002331**	**8E-06**	**0.000553**	**0.020746**	**0.00572**	**0.000893**	**0.041546**

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
HHDT-DSL	4.16663E-07	9.25919E-07	7.9629E-06	1.38888E-08	5.78699E-07	9.72E-07	9.26E-07	6.94E-07	4.4E-07	2.31E-07	0.000307	0.000403	6.71E-07	7.38E-05	0.002857	0.000778	0.000119	0.005718
Dust	1.37E-07	3.43E-08	6.09E-06	9.71E-09	1.69E-06	1.42E-06	9.14E-06	1.03E-07	1.37E-07	2.28E-08	3.58E-05	3.07E-05	8.11E-07	-	-	-	-	-
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.82511E-06	**5.5997E-06**	**7.6447E-05**	**1.03259E-07**	**5.79422E-06**	**7.65E-06**	**1.75E-05**	**4.3E-06**	**2.96E-06**	**1.42E-06**	**0.001889**	**0.002594**	**5.07E-06**	**0.000665**	**0.025232**	**0.006926**	**0.001072**	**0.050516**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	2.31509E-06	**4.45E-06**	**7.7319E-05**	**8.37272E-08**	**3.75656E-06**	**5.26E-06**	**8.61E-06**	**3.37E-06**	**2.43E-06**	**1.12E-06**	**0.001486**	**0.00218**	**3.56E-06**	**0.000645**	**0.024147**	**0.006666**	**0.001043**	**0.04836**
Concrete/Industrial Saws	1.05E-06	2.33E-06	2.00E-05	3.49E-08	1.46E-06	2.44E-06	2.33E-06	1.75E-06	1.11E-06	5.82E-07	7.72E-04	1.01E-03	1.69E-06	2.37E-04	9.16E-03	2.49E-03	3.80E-04	1.83E-02
Rubber Tired Loaders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.64E-04	1.02E-02	2.78E-03	4.24E-04	2.05E-02
HHDT-DSL	4.1112E-07	9.136E-07	7.857E-06	1.3704E-08	5.71E-07	9.59E-07	9.14E-07	6.85E-07	4.34E-07	2.28E-07	0.000303	0.000398	6.62E-07	-	-	-	-	-
Dust	2.74E-07	6.85E-08	1.22E-05	1.94E-08	3.38E-06	2.83E-06	1.83E-05	2.06E-07	2.74E-07	4.57E-08	7.15E-05	6.15E-05	1.62E-06	-	-	-	-	-
HHDT-DSL	2.67855E-07	5.95233E-07	5.119E-06	8.9285E-09	3.72021E-07	6.25E-07	5.95E-07	4.46E-07	2.83E-07	1.49E-07	0.000197	0.000259	4.32E-07	4.75E-05	0.001837	0.0005	7.62E-05	0.003676
Dust	8.81E-08	2.20E-08	3.91E-06	6.24E-09	1.09E-06	9.10E-07	5.87E-06	6.61E-08	8.81E-08	1.47E-08	2.30E-05	1.98E-05	5.21E-07	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
LDA-TOT	1.86E-07	-	2.61E-05	9.30E-09	1.86E-07	-	1.86E-07	-	1.86E-07	-	-	1.67E-04	-	1.69E-05	8.67E-06	7.68E-05	3.26E-05	4.90E-05
Dust	4.89E-08	1.22E-08	2.17E-06	3.47E-09	6.04E-07	5.06E-07	3.26E-06	3.67E-08	4.89E-08	8.16E-09	1.28E-05	1.10E-05	2.90E-07	-	-	-	-	-
	3.49753E-06	**6.25947E-06**	**0.00011383**	**1.37711E-07**	**9.45533E-06**	**1.09E-05**	**3.52E-05**	**4.94E-06**	**3.65E-06**	**1.61E-06**	**0.002153**	**0.003046**	**7.01E-06**	**0.000573**	**0.021242**	**0.00589**	**0.000928**	**0.042553**
Graders	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.13E-04	1.21E-02	3.29E-03	5.02E-04	2.42E-02
Rubber Tired Dozers	2.08E-06	4.63E-06	3.98E-05	6.94E-08	2.89E-06	4.86E-06	4.63E-06	3.47E-06	2.20E-06	1.16E-06	1.54E-03	2.02E-03	3.36E-06	8.74E-04	3.38E-02	9.21E-03	1.40E-03	6.77E-02
Rollers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	2.65E-04	1.03E-02	2.79E-03	4.26E-04	2.05E-02
	1.78E-06	1.98E-06	2.16E-04	6.65E-07	7.01E-06	3.56E-05	5.84E-05	1.02E-06	3.86E-06	1.52E-07	1.89E-04	2.99E-04	1.68E-05	-	-	-	-	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-
	6.13171E-06	**1.12493E-05**	**0.00031798**	**8.14186E-07**	**1.34251E-05**	**4.57E-05**	**7.04E-05**	**7.99E-06**	**8.44E-06**	**2.47E-06**	**0.00327**	**0.004477**	**2.37E-05**	**0.001466**	**0.056202**	**0.015354**	**0.002357**	**0.112491**
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Pavers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	3.71E-04	1.44E-02	3.91E-03	5.96E-04	2.87E-02
HHDT-DSL	2.97617E-08	6.6137E-08	5.6878E-07	9.92056E-10	4.13357E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
LDT2-TOT	1.12E-07	-	1.57E-05	5.62E-09	1.12E-07	-	1.12E-07	-	1.12E-07	-	-	1.01E-04	-	7.99E-06	4.09E-06	3.62E-05	1.54E-05	2.31E-05
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001517	-
LDA-TOT	1.49E-07	-	2.08E-05	7.44E-09	1.49E-07	-	1.49E-07	-	1.49E-07	-	-	1.34E-04	-	1.35E-05	6.93E-06	6.14E-05	2.60E-05	3.92E-05
Dust	3.92E-08	9.79E-09	1.74E-06	2.77E-09	4.83E-07	4.05E-07	2.61E-06	2.94E-08	3.92E-08	6.53E-09	1.02E-05	8.78E-06	2.32E-07	-	-	-	-	-

Offroad																		
Equipment	BROMINE	CADMIUM	CHLORINE	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldeh
Category	7726956	7440439	7782505	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000
	2.35464E-06	**4.51671E-06**	**7.8323E-05**	**8.54126E-08**	**3.91862E-06**	**5.43E-06**	**9.33E-06**	**3.43E-06**	**2.47E-06**	**1.14E-06**	**0.001511**	**0.002211**	**3.67E-06**	**0.000613**	**0.022914**	**0.00633**	**0.002508**	**0.045894**
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	9.30E-08	-	1.30E-05	4.65E-09	9.30E-08	-	9.30E-08	-	9.30E-08	-	-	8.37E-05	-	8.46E-06	4.33E-06	3.84E-05	1.63E-05	2.45E-05
Dust	2.45E-08	6.12E-09	1.09E-06	1.73E-09	3.02E-07	2.53E-07	1.63E-06	1.84E-08	2.45E-08	4.08E-09	6.39E-06	5.49E-06	1.45E-07	-	-	-	-	-
	1.15921E-06	**2.32098E-06**	**3.4021E-05**	**4.11086E-08**	**1.84165E-06**	**2.68E-06**	**4.04E-06**	**1.75E-06**	**1.22E-06**	**5.83E-07**	**0.000774**	**0.001098**	**1.82E-06**	**0.000417**	**0.015802**	**0.004338**	**0.000672**	**0.031638**
Trenchers	1.04E-06	2.31E-06	1.99E-05	3.47E-08	1.45E-06	2.43E-06	2.31E-06	1.74E-06	1.10E-06	5.79E-07	7.68E-04	1.01E-03	1.68E-06	4.08E-04	1.58E-02	4.30E-03	6.55E-04	3.16E-02
LDA-TOT	9.30E-08	-	1.30E-05	4.65E-09	9.30E-08	-	9.30E-08	-	9.30E-08	-	-	8.37E-05	-	8.46E-06	4.33E-06	3.84E-05	1.63E-05	2.45E-05
Dust	2.45E-08	6.12E-09	1.09E-06	1.73E-09	3.02E-07	2.53E-07	1.63E-06	1.84E-08	2.45E-08	4.08E-09	6.39E-06	5.49E-06	1.45E-07	-	-	-	-	-
	1.15921E-06	**2.32098E-06**	**3.4021E-05**	**4.11086E-08**	**1.84165E-06**	**2.68E-06**	**4.04E-06**	**1.75E-06**	**1.22E-06**	**5.83E-07**	**0.000774**	**0.001098**	**1.82E-06**	**0.000417**	**0.015802**	**0.004338**	**0.000672**	**0.031638**
Air Compressors	2.83E-06	6.28E-06	5.40E-05	9.42E-08	3.93E-06	6.60E-06	6.28E-06	4.71E-06	2.98E-06	1.57E-06	2.08E-03	2.74E-03	4.55E-06	5.45E-04	2.11E-02	5.74E-03	8.74E-04	4.22E-02
HHDT-DSL	2.97617E-08	6.6137E-08	5.6878E-07	9.92056E-10	4.13357E-08	6.94E-08	6.61E-08	4.96E-08	3.14E-08	1.65E-08	2.19E-05	2.88E-05	4.79E-08	5.27E-06	0.000204	5.55E-05	8.47E-06	0.000408
Dust	9.79E-09	2.45E-09	4.35E-07	6.93E-10	1.21E-07	1.01E-07	6.53E-07	7.34E-09	9.79E-09	1.63E-09	2.55E-06	2.20E-06	5.79E-08	-	-	-	-	-
HHDT-DSL	5.95233E-08	1.32274E-07	1.1376E-06	1.98411E-09	8.26713E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
Off-Highway Trucks	1.41E-06	3.14E-06	2.70E-05	4.71E-08	1.96E-06	3.30E-06	3.14E-06	2.35E-06	1.49E-06	7.85E-07	1.04E-03	1.37E-03	2.28E-06	4.50E-04	1.74E-02	4.74E-03	7.23E-04	3.49E-02
Tractors/Loaders/Backhoes	9.53E-07	2.12E-06	1.82E-05	3.18E-08	1.32E-06	2.22E-06	2.12E-06	1.59E-06	1.01E-06	5.30E-07	7.03E-04	9.23E-04	1.54E-06	2.15E-04	8.34E-03	2.27E-03	3.46E-04	1.67E-02
Cranes	9.25E-07	2.06E-06	1.77E-05	3.08E-08	1.29E-06	2.16E-06	2.06E-06	1.54E-06	9.77E-07	5.14E-07	6.82E-04	8.96E-04	1.49E-06	2.18E-04	8.44E-03	2.30E-03	3.50E-04	1.69E-02
Forklifts	5.01E-07	1.11E-06	9.58E-06	1.67E-08	6.96E-07	1.17E-06	1.11E-06	8.36E-07	5.29E-07	2.79E-07	3.70E-04	4.85E-04	8.08E-07	1.59E-04	6.14E-03	1.67E-03	2.55E-04	1.23E-02
LDA-TOT	2.79E-07	-	3.91E-05	1.40E-08	2.79E-07	-	2.79E-07	-	2.79E-07	-	-	2.51E-04	-	2.54E-05	1.30E-05	1.15E-04	4.88E-05	7.36E-05
Dust	7.34E-08	1.84E-08	3.26E-06	5.20E-09	9.05E-07	7.59E-07	4.89E-06	5.51E-08	7.34E-08	1.22E-08	1.92E-05	1.65E-05	4.34E-07	-	-	-	-	-
	7.09004E-06	**1.49326E-05**	**0.00017184**	**2.44841E-07**	**1.08636E-05**	**1.67E-05**	**2.2E-05**	**1.13E-05**	**7.46E-06**	**3.74E-06**	**0.004972**	**0.00677**	**1.14E-05**	**0.001628**	**0.062042**	**0.016995**	**0.002622**	**0.124199**
HHDT-DSL	5.95233E-08	1.32274E-07	1.1376E-06	1.98411E-09	8.26713E-08	1.39E-07	1.32E-07	9.92E-08	6.28E-08	3.31E-08	4.39E-05	5.76E-05	9.59E-08	1.05E-05	0.000408	0.000111	1.69E-05	0.000817
Dust	1.96E-08	4.89E-09	8.70E-07	1.39E-09	2.41E-07	2.02E-07	1.31E-06	1.47E-08	1.96E-08	3.26E-09	5.11E-06	4.39E-06	1.16E-07	-	-	-	-	-
	7.91005E-08	**1.37168E-07**	**2.0071E-06**	**3.37083E-09**	**3.24123E-07**	**3.41E-07**	**1.44E-06**	**1.14E-07**	**8.24E-08**	**3.63E-08**	**4.9E-05**	**6.2E-05**	**2.12E-07**	**1.05E-05**	**0.000408**	**0.000111**	**1.69E-05**	**0.000817**
	3.E-05	6.E-05	1.E-03	2.E-06	6.E-05	1.E-04	2.E-04	4.E-05	3.E-05	1.E-05	2.E-02	3.E-02	7.E-05	7.E-03	3.E-01	7.E-02	1.E-02	5.E-01

Offroad												Annual						
Equipment	yde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505	
Cranes	2.74E-05	1.35E-03	5.58E-04	7.76E-05	1.43E-04	3.06E-04	2.37E-03	8.67E-05	5.29E-05	1.34E-03	-	0.01	0.00		-	-	-	-	
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.01	0.00		-	-	-	-	
Crushing/Proc. Equipment	6.70E-05	3.30E-03	1.36E-03	1.90E-04	3.50E-04	7.48E-04	5.80E-03	2.12E-04	1.29E-04	3.29E-03	-	0.02	0.01		-	-	-	-	
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.01	0.01		-	-	-	-	
HHDT-DSL	8.33E-07	4.10E-05	1.70E-05	2.36E-06	4.36E-06	9.30E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09	
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	1.86E-09	-	2.61E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-10	4.89E-10	1.22E-10	2.17E-08	
	1.76E-04	**8.47E-03**	**3.62E-03**	**4.89E-04**	**9.50E-04**	**1.96E-03**	**1.50E-02**	**5.45E-04**	**3.37E-04**	**8.63E-03**	**4.11E-06**	**4.57E-02**	**1.95E-02**	***0***	**6.36E-10**	**2.45E-09**	**1.47E-10**	**2.87E-07**	
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	0.03	0.02		-	-	-	-	
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.03	0.02		-	-	-	-	
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		6.36E-10	5.87E-10	1.47E-10	2.61E-08	
	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.88E-08	4.20E-08	4.68E-08	5.10E-06	
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	5.58E-09	-	7.82E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.59E-09	1.47E-09	3.67E-10	6.52E-08	
	8.84E-05	**4.17E-03**	**1.83E-03**	**2.41E-04**	**4.92E-04**	**9.83E-04**	**7.42E-03**	**2.68E-04**	**1.67E-04**	**4.33E-03**	**4.11E-06**	***6.66E-02***	***3.17E-02***	***0***	**2.94E-08**	**4.82E-08**	**4.69E-08**	**5.91E-06**	
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.02	0.01		-	-	-	-	
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.01	0.00		-	-	-	-	
Hoist/swing/winch	2.34E-05	1.15E-03	4.76E-04	6.63E-05	1.22E-04	2.61E-04	2.02E-03	7.41E-05	4.52E-05	1.15E-03	-	0.00	0.00		-	-	-	-	
Generator Sets	4.07E-05	2.00E-03	8.29E-04	1.15E-04	2.13E-04	4.55E-04	3.52E-03	1.29E-04	7.87E-05	2.00E-03	-	0.01	0.00		-	-	-	-	
Generator Sets	2.42E-05	1.19E-03	4.93E-04	6.86E-05	1.27E-04	2.71E-04	2.10E-03	7.67E-05	4.68E-05	1.19E-03	-	0.00	0.00		-	-	-	-	
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	0.01	0.00		-	-	-	-	
LDA-TOT	2.66E-06	3.97E-07	7.74E-05	1.02E-06	3.48E-05	2.69E-05	6.66E-05	-	2.67E-06	1.25E-04	2.88E-06	0.00	0.00		-	9.77E-10	-	1.37E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.78E-10	2.57E-10	6.42E-11	1.14E-08	
	2.40E-04	**1.17E-02**	**4.91E-03**	**6.73E-04**	**1.28E-03**	**2.68E-03**	**2.06E-02**	**7.51E-04**	**4.61E-04**	**1.18E-02**	**2.88E-06**	***4.74E-02***	***1.86E-02***	***0***	**2.78E-10**	**1.23E-09**	**6.42E-11**	**1.48E-07**	
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.02	0.01		-	-	-	-	
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.01	0.00		-	-	-	-	
Generator Sets	6.32E-05	3.11E-03	1.29E-03	1.79E-04	3.31E-04	7.06E-04	5.47E-03	2.00E-04	1.22E-04	3.10E-03	-	0.02	0.01		-	-	-	-	
Air Compressors	5.43E-05	2.67E-03	1.11E-03	1.54E-04	2.84E-04	6.06E-04	4.70E-03	1.72E-04	1.05E-04	2.67E-03	-	0.01	0.01		-	-	-	-	
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	1.86E-09	-	2.61E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-10	4.89E-10	1.22E-10	2.17E-08	
	2.36E-04	**1.15E-02**	**4.85E-03**	**6.60E-04**	**1.27E-03**	**2.64E-03**	**2.02E-02**	**7.36E-04**	**4.53E-04**	**1.16E-02**	**4.11E-06**	***5.97E-02***	***2.28E-02***	***0***	**0**	**1.86E-09**	**0.00E+00**	**2.61E-07**	

Offroad												Annual						
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.01	0.00		-	-	-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	2.66E-06	3.97E-07	7.74E-05	1.02E-06	3.48E-05	2.69E-05	6.66E-05	-	2.67E-06	1.25E-04	2.88E-06	0.00	0.00		-	3.26E-10	-	4.56E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		9.28E-11	8.57E-11	2.14E-11	3.80E-09
	0.000118	**0.005665**	**0.002421**	**0.000327**	**0.000637**	**0.001312**	**0.010027**	**0.000364**	**0.000225**	**0.005774**	**2.87863E-06**	***7.68E-03***	***2.91E-03***	***0***	**9.28E-11**	**4.11E-10**	**2.14E-11**	**4.94E-08**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.02	0.01		-	-	-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.01	0.00		-	-	-	-
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	1.86E-09	-	2.61E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-10	4.89E-10	1.22E-10	2.17E-08
	0.000153	**0.007328**	**0.003142**	**0.000423**	**0.000829**	**0.0017**	**0.012979**	**0.000471**	**0.000292**	**0.007487**	**4.11232E-06**	***3.97E-02***	***1.50E-02***	***0***	**5.30E-10**	**2.35E-09**	**1.22E-10**	**2.82E-07**
Hoist/swing/winch	6.39E-04	3.15E-02	1.30E-02	1.81E-03	3.34E-03	7.13E-03	5.53E-02	2.02E-03	1.24E-03	3.14E-02	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	3.48E-05	1.71E-03	7.09E-04	9.86E-05	1.82E-04	3.89E-04	3.01E-03	1.10E-04	6.73E-05	1.71E-03	-	0.00	0.00		-	-	-	-
Generator Sets	5.46E-05	2.69E-03	1.11E-03	1.55E-04	2.86E-04	6.10E-04	4.73E-03	1.73E-04	1.06E-04	2.68E-03	-	0.00	0.00		-	-	-	-
Generator Sets	3.63E-05	1.79E-03	7.40E-04	1.03E-04	1.90E-04	4.06E-04	3.15E-03	1.15E-04	7.03E-05	1.78E-03	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.00	0.00		-	-	-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.00	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	3.63E-10	-	5.08E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.03E-10	9.54E-11	2.39E-11	4.24E-09
	0.00084	**0.041111**	**0.023297**	**0.003324**	**0.026153**	**0.013609**	**0.134694**	**0.002644**	**0.001619**	**0.070599**	**5.34602E-06**	***1.31E-02***	***5.46E-03***	***0***	**1.03E-10**	**4.58E-10**	**2.39E-11**	**5.50E-08**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.00	0.00		-	-	-	-
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	0.00	0.00		-	-	-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-11	9.79E-12	2.45E-12	4.35E-10
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.00	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	3.63E-10	-	5.08E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.03E-10	9.54E-11	2.39E-11	4.24E-09
	0.000197	**0.009468**	**0.010207**	**0.001503**	**0.022789**	**0.006432**	**0.079057**	**0.000609**	**0.000377**	**0.039042**	**5.34602E-06**	***9.72E-03***	***4.14E-03***	***0***	**1.14E-10**	**4.68E-10**	**2.63E-11**	**5.55E-08**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.00	0.00		-	-	-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.00	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	3.63E-10	-	5.08E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.03E-10	9.54E-11	2.39E-11	4.24E-09
	0.000155	**0.007399**	**0.009351**	**0.001384**	**0.022569**	**0.005962**	**0.075418**	**0.000476**	**0.000295**	**0.036978**	**5.34602E-06**	***8.07E-03***	***3.44E-03***	***0***	**1.03E-10**	**4.58E-10**	**2.39E-11**	**5.5E-08**
HHDT-DSL	5.83E-06	0.000287	0.000119	1.65E-05	3.05E-05	6.51E-05	0.000505	1.85E-05	1.13E-05	0.000286	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.57E-10	5.14E-10	1.28E-10	2.28E-08

Offroad												Annual						
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.01	0.00		-	-	-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	1.12E-09	-	1.56E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08
	0.0001	**0.00478**	**0.002066**	**0.000276**	**0.000548**	**0.001115**	**0.008481**	**0.000307**	**0.000191**	**0.00491**	**3.28986E-06**	***1.84E-02***	***7.10E-03***	***0***	**8.75E-10**	**1.92E-09**	**2.02E-10**	**1.92E-07**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.01	0.00		-	-	-	-
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.02	0.00		-	-	-	-
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	1.12E-09	-	1.57E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.12E-10	1.96E-10	4.89E-11	8.70E-09
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	1.49E-09	-	2.08E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		4.24E-10	3.92E-10	9.79E-11	1.74E-08
	0.000103	**0.004849**	**0.002146**	**0.000281**	**0.000578**	**0.001148**	**0.008645**	**0.000312**	**0.000195**	**0.005062**	**5.22987E-06**	***2.63E-02***	***8.92E-03***	***0***	**6.36E-10**	**3.2E-09**	**1.47E-10**	**3.92E-07**
Crushing/Proc. Equipment	6.70E-05	3.30E-03	1.36E-03	1.90E-04	3.50E-04	7.48E-04	5.80E-03	2.12E-04	1.29E-04	3.29E-03	-	0.01	0.00		-	-	-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.01	0.00		-	-	-	-
HHDT-DSL	0.000536	0.026378	0.010912	0.001518	0.002804	0.005983	0.04638	0.001697	0.001036	0.026306	-	0.01	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	0.01	0.00		4.21E-08	3.89E-08	9.72E-09	1.73E-06
HHDT-DSL	3.33E-06	0.000164	6.78E-05	9.44E-06	1.74E-05	3.72E-05	0.000288	1.05E-05	6.44E-06	0.000164	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.97E-10	2.74E-10	6.85E-11	1.22E-08
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	7.87E-10	-	1.10E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.48E-10	1.37E-10	3.43E-11	6.09E-09
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	1.30E-09	-	1.82E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.71E-10	3.43E-10	8.57E-11	1.52E-08
	0.000653	**0.031894**	**0.013356**	**0.001838**	**0.003463**	**0.00729**	**0.056218**	**0.002051**	**0.001258**	**0.03207**	**6.05233E-06**	***4.07E-02***	***1.31E-02***	***0***	**4.29E-08**	**4.17E-08**	**9.91E-09**	**2.05E-06**
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.00	0.00		-	-	-	-
Rubber Tired Dozers	1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-	0.01	0.00		-	-	-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.00	0.00		-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.44E-08	3.55E-08	3.96E-08	4.32E-06
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
	0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**	***1.53E-02***	***5.65E-03***	***0***	**2.45E-08**	**3.6E-08**	**3.96E-08**	**4.37E-06**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.00	0.00		-	-	-	-
Pavers	5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-	0.00	0.00		-	-	-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.65E-11	2.45E-11	6.12E-12	1.09E-09
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	2.81E-10	-	3.94E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09
	-	-	-	-	-	0.002441	-	-	-	0.004221	-	0.00	-		-	-	-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**	***7.50E-03***	***2.24E-03***	***0***	**1.86E-10**	**8.25E-10**	**4.28E-11**	**9.91E-08**

Offroad												Annual						
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	1.12E-09	-	1.56E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08
	6.75E-05	**0.003174**	**0.001401**	**0.000184**	**0.000377**	**0.000751**	**0.005656**	**0.000204**	**0.000128**	**0.003308**	**3.28986E-06**	***1.29E-02***	***3.50E-03***	***0***	**3.18E-10**	**1.41E-09**	**7.34E-11**	**1.69E-07**
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-09	9.79E-10	2.45E-10	4.35E-08
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**	***2.78E-04***	***2.47E-04***	***0.00***	**1.06E-09**	**9.79E-10**	**2.45E-10**	**4.35E-08**
	3.5.E-03	**1.7.E-01**	**8.9.E-02**	**1.3.E-02**	**8.4.E-02**	**5.4.E-02**	**4.8.E-01**	**1.1.E-02**	**6.6.E-03**	**2.6.E-01**	**6.5.E-05**	**4.19E-01**	**1.64E-01**	**1.6.E-01**	**1.0.E-07**	**1.4.E-07**	**9.8.E-08**	**1.4.E-05**
Cranes	2.74E-05	1.35E-03	5.58E-04	7.76E-05	1.43E-04	3.06E-04	2.37E-03	8.67E-05	5.29E-05	1.34E-03	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.00	0.00		-	-	-	-
Concrete/Industrial Saws	3.07E-05	1.51E-03	6.26E-04	8.70E-05	1.61E-04	3.43E-04	2.66E-03	9.73E-05	5.94E-05	1.51E-03	-	0.00	0.00		-	-	-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	9.30E-10	-	1.30E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.65E-10	2.45E-10	6.12E-11	1.09E-08
	0.000139	**0.006649**	**0.002861**	**0.000384**	**0.000756**	**0.001546**	**0.011785**	**0.000428**	**0.000265**	**0.006809**	**4.11232E-06**	***1.80E-02***	***6.47E-03***	***0***	**2.65E-10**	**1.18E-09**	**6.12E-11**	**1.41E-07**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.01	0.00		-	-	-	-
Hoist/swing/winch	3.48E-05	1.71E-03	7.09E-04	9.86E-05	1.82E-04	3.89E-04	3.01E-03	1.10E-04	6.73E-05	1.71E-03	-	0.00	0.00		-	-	-	-
Generator Sets	5.46E-05	2.69E-03	1.11E-03	1.55E-04	2.86E-04	6.10E-04	4.73E-03	1.73E-04	1.06E-04	2.68E-03	-	0.01	0.00		-	-	-	-
Generator Sets	3.63E-05	1.79E-03	7.40E-04	1.03E-04	1.90E-04	4.06E-04	3.15E-03	1.15E-04	7.03E-05	1.78E-03	-	0.00	0.00		-	-	-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.01	0.00		-	-	-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.01	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	1.21E-09	-	1.69E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.45E-10	3.18E-10	7.95E-11	1.41E-08
	0.000281	**0.01359**	**0.011912**	**0.00174**	**0.023227**	**0.007367**	**0.086304**	**0.000874**	**0.000539**	**0.043152**	**5.34602E-06**	***4.37E-02***	***1.82E-02***	***0***	**3.45E-10**	**1.53E-09**	**7.95E-11**	**1.83E-07**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.01	0.00		-	-	-	-
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.01	0.00		-	-	-	-
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	0.01	0.00		-	-	-	-
HHDT-DSL	1.67E-06	8.20E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	1.44E-04	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		4.24E-11	3.92E-11	9.79E-12	1.74E-09
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.01	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	1.21E-09	-	1.69E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.45E-10	3.18E-10	7.95E-11	1.41E-08
	0.000198	**0.009509**	**0.010224**	**0.001505**	**0.022794**	**0.006441**	**0.079129**	**0.000612**	**0.000378**	**0.039083**	**5.34602E-06**	***3.24E-02***	***1.38E-02***	***0***	**3.87E-10**	**1.57E-09**	**8.93E-11**	**1.85E-07**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.01	0.00		-	-	-	-

Offroad												Annual						
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
Hoist/swing/winch	7.04E-05	3.47E-03	1.43E-03	1.99E-04	3.68E-04	7.86E-04	6.09E-03	2.23E-04	1.36E-04	3.46E-03	-	0.01	0.00		-	-	-	-
NA	-	-	4.73E-03	7.36E-04	1.67E-02	3.26E-03	4.79E-02	-	-	2.26E-02	-	0.01	0.00		-	-	-	-
NA	-	-	1.42E-03	2.20E-04	5.00E-03	9.75E-04	1.43E-02	-	-	6.76E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	4.93E-06	7.37E-07	1.44E-04	1.90E-06	6.45E-05	5.00E-05	1.24E-04	-	4.96E-06	2.32E-04	5.35E-06	0.00	0.00		-	1.21E-09	-	1.69E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.45E-10	3.18E-10	7.95E-11	1.41E-08
	0.000155	**0.007399**	**0.009351**	**0.001384**	**0.022569**	**0.005962**	**0.075418**	**0.000476**	**0.000295**	**0.036978**	**5.34602E-06**	***2.69E-02***	***1.15E-02***	***0***	**3.45E-10**	**1.53E-09**	**7.95E-11**	**1.83E-07**
Hoist/swing/winch	7.99E-05	3.93E-03	1.63E-03	2.26E-04	4.18E-04	8.92E-04	6.91E-03	2.53E-04	1.54E-04	3.92E-03	-	0.02	0.01		-	-	-	-
Hoist/swing/winch	3.52E-05	1.73E-03	7.17E-04	9.97E-05	1.84E-04	3.93E-04	3.05E-03	1.11E-04	6.81E-05	1.73E-03	-	0.01	0.00		-	-	-	-
Generator Sets	3.38E-05	1.66E-03	6.88E-04	9.57E-05	1.77E-04	3.77E-04	2.92E-03	1.07E-04	6.53E-05	1.66E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	1.86E-09	-	2.61E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-10	4.89E-10	1.22E-10	2.17E-08
	0.000153	**0.007328**	**0.003142**	**0.000423**	**0.000829**	**0.0017**	**0.012979**	**0.000471**	**0.000292**	**0.007487**	**4.11232E-06**	***3.97E-02***	***1.50E-02***	***0***	**5.30E-10**	**2.35E-09**	**1.22E-10**	**2.82E-07**
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	0.02	0.01		-	-	-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.02	0.01		-	-	-	-
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08
	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.60E-09	5.25E-09	5.85E-09	6.38E-07
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	2.23E-09	-	3.13E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		6.36E-10	5.87E-10	1.47E-10	2.61E-08
	8.76E-05	**0.004166**	**0.001812**	**0.000241**	**0.000482**	**0.000976**	**0.0074**	**0.000268**	**0.000167**	**0.004297**	**3.28986E-06**	***3.33E-02***	***1.48E-02***	***0***	**4.55E-09**	**8.36E-09**	**6.07E-09**	**9.89E-07**
HHDT-DSL	7.49E-06	0.000369	0.000153	2.12E-05	3.92E-05	8.37E-05	0.000649	2.37E-05	1.45E-05	0.000368	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.16E-10	6.61E-10	1.65E-10	2.93E-08
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.01	0.00		-	-	-	-
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	1.12E-09	-	1.56E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08
	0.000102	**0.004862**	**0.0021**	**0.000281**	**0.000557**	**0.001133**	**0.008625**	**0.000313**	**0.000194**	**0.004992**	**3.28986E-06**	***1.85E-02***	***7.14E-03***	***0***	**1.03E-09**	**2.07E-09**	**2.39E-10**	**1.99E-07**
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.00	0.00		-	-	-	-
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.01	0.00		-	-	-	-
LDT2-TOT	6.44E-06	9.62E-07	1.88E-04	2.48E-06	8.42E-05	6.52E-05	1.61E-04	-	6.47E-06	3.03E-04	6.98E-06	0.00	0.00		-	8.27E-09	-	1.16E-06
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	7.44E-10	-	1.04E-07
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.12E-10	1.96E-10	4.89E-11	8.70E-09
	0.000108	**0.00485**	**0.002282**	**0.000283**	**0.000639**	**0.001196**	**0.008762**	**0.000312**	**0.0002**	**0.005281**	**1.02671E-05**	***1.32E-02***	***4.48E-03***	***0***	**3.18E-10**	**9.31E-09**	**7.34E-11**	**1.27E-06**
Concrete/Industrial Saws	3.74E-05	1.84E-03	7.61E-04	1.06E-04	1.96E-04	4.17E-04	3.24E-03	1.18E-04	7.23E-05	1.84E-03	-	0.00	0.00		-	-	-	-
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.00	0.00		-	-	-	-
HHDT-DSL	2.33E-05	0.001148	0.000475	6.61E-05	0.000122	0.00026	0.002018	7.38E-05	4.51E-05	0.001145	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.42E-10	6.85E-10	1.71E-10	3.04E-08
HHDT-DSL	4.63E-07	2.28E-05	9.43E-06	1.31E-06	2.42E-06	5.17E-06	4.01E-05	1.47E-06	8.95E-07	2.27E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	2.81E-10	-	3.94E-08

Offroad												Annual						
Equipment	yde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09	
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	4.65E-10	-	6.51E-08	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.33E-10	1.22E-10	3.06E-11	5.43E-09	
	0.000108	**0.005067**	**0.002258**	**0.000294**	**0.000612**	**0.001206**	**0.009047**	**0.000326**	**0.000205**	**0.005315**	**6.05233E-06**	***5.48E-03***	***2.51E-03***	***0***	**9.81E-10**	**1.65E-09**	**2.26E-10**	**1.45E-07**	
Graders	4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.00	0.00		-	-	-	-	
Rubber Tired Dozers	1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-	0.01	0.00		-	-	-	-	
Rollers	4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.00	0.00		-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.44E-08	3.55E-08	3.96E-08	4.32E-06	
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09	
	0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**	***1.53E-02***	***5.65E-03***	***0***	**2.45E-08**	**3.6E-08**	**3.96E-08**	**4.37E-06**	
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.00	0.00		-	-	-	-	
Pavers	5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-	0.00	0.00		-	-	-	-	
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.65E-11	2.45E-11	6.12E-12	1.09E-09	
LDT2-TOT	1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	2.81E-10	-	3.94E-08	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09	
	-	-	-	-	-	0.002441	-	-	-	0.004221	-	0.00	-		-	-	-	-	
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09	
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**	***7.50E-03***	***2.24E-03***	***0***	**1.86E-10**	**8.25E-10**	**4.28E-11**	**9.91E-08**	
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.01	0.00		-	-	-	-	
LDA-TOT	3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	1.12E-09	-	1.56E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08	
	6.75E-05	**0.003174**	**0.001401**	**0.000184**	**0.000377**	**0.000751**	**0.005656**	**0.000204**	**0.000128**	**0.003308**	**3.28986E-06**	***1.29E-02***	***3.50E-03***	***0***	**3.18E-10**	**1.41E-09**	**7.34E-11**	**1.69E-07**	
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.42E-10	6.85E-10	1.71E-10	3.04E-08	
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**	***1.94E-04***	***1.73E-04***	**0.00**	**7.42E-10**	**6.85E-10**	**1.71E-10**	**3.04E-08**	
	1.7.E-03	**8.3.E-02**	**5.4.E-02**	**7.6.E-03**	**7.5.E-02**	**3.4.E-02**	**3.3.E-01**	**5.3.E-03**	**3.3.E-03**	**1.8.E-01**	**5.9.E-05**	**2.67E-01**	**1.05E-01**	**9.2.E-02**	**3.4.E-08**	**6.8.E-08**	**4.7.E-08**	**8.3.E-06**	
Excavators	4.12E-05	2.03E-03	8.39E-04	1.17E-04	2.16E-04	4.60E-04	3.57E-03	1.30E-04	7.97E-05	2.02E-03	-	0.02	0.01		-	-	-	-	
Rubber Tired Loaders	4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.02	0.01		-	-	-	-	
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.18E-10	2.94E-10	7.34E-11	1.30E-08	
	-	-	-	-	-	-	-	-	-	-	-	-	0.00		3.60E-08	5.25E-08	5.85E-08	6.38E-06	
LDA-TOT	3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	2.79E-09	-	3.91E-07	
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.95E-10	7.34E-10	1.84E-10	3.26E-08	
	8.84E-05	**0.004166**	**0.001834**	**0.000241**	**0.000492**	**0.000983**	**0.007419**	**0.000268**	**0.000167**	**0.004333**	**4.11232E-06**	***3.33E-02***	***1.55E-02***	**0.01**	**3.71E-08**	**5.63E-08**	**5.88E-08**	**6.81E-06**	

Offroad												Annual						
Equipment	yde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category		67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
HHDT-DSL		1.17E-05	0.000574	0.000237	3.3E-05	6.1E-05	0.00013	0.001009	3.69E-05	2.25E-05	0.000572	-	0.00	0.00		-	-	-	-
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.42E-10	6.85E-10	1.71E-10	3.04E-08
Graders		4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.01	0.00		-	-	-	-
Rollers		4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.01	0.00		-	-	-	-
LDA-TOT		3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	7.44E-10	-	1.04E-07
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.12E-10	1.96E-10	4.89E-11	8.70E-09
		0.000106	**0.005067**	**0.002185**	**0.000293**	**0.000578**	**0.00118**	**0.008985**	**0.000326**	**0.000202**	**0.005196**	**3.28986E-06**	***1.24E-02***	***4.82E-03***	***0***	**9.54E-10**	**1.63E-09**	**2.2E-10**	**1.43E-07**
Tractors/Loaders/Backhoes		3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.00	0.00		-	-	-	-
Trenchers		6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.01	0.00		-	-	-	-
LDT2-TOT		1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	5.62E-10	-	7.87E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
LDA-TOT		3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	7.44E-10	-	1.04E-07
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.12E-10	1.96E-10	4.89E-11	8.70E-09
		0.000103	**0.004849**	**0.002146**	**0.000281**	**0.000578**	**0.001148**	**0.008645**	**0.000312**	**0.000195**	**0.005062**	**5.22987E-06**	***1.32E-02***	***4.46E-03***	***0***	**3.18E-10**	**1.6E-09**	**7.34E-11**	**1.96E-07**
Concrete/Industrial Saws		3.74E-05	1.84E-03	7.61E-04	1.06E-04	1.96E-04	4.17E-04	3.24E-03	1.18E-04	7.23E-05	1.84E-03	-	0.00	0.00		-	-	-	-
Rubber Tired Loaders		4.17E-05	2.05E-03	8.50E-04	1.18E-04	2.18E-04	4.66E-04	3.61E-03	1.32E-04	8.07E-05	2.05E-03	-	0.00	0.00		-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	0.00		-	-	-	-
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.42E-10	6.85E-10	1.71E-10	3.04E-08
HHDT-DSL		7.49E-06	0.000369	0.000153	2.12E-05	3.92E-05	8.37E-05	0.000649	2.37E-05	1.45E-05	0.000368	-	0.00	0.00		-	-	-	-
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.39E-10	2.20E-10	5.51E-11	9.78E-09
LDT2-TOT		1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	2.81E-10	-	3.94E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09
LDA-TOT		3.79E-06	5.67E-07	1.11E-04	1.46E-06	4.96E-05	3.84E-05	9.51E-05	-	3.81E-06	1.79E-04	4.11E-06	0.00	0.00		-	4.65E-10	-	6.51E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.33E-10	1.22E-10	3.06E-11	5.43E-09
		9.22E-05	**0.004265**	**0.001927**	**0.000248**	**0.000526**	**0.001024**	**0.007638**	**0.000274**	**0.000173**	**0.004516**	**6.05233E-06**	***5.35E-03***	***2.51E-03***	***0***	**1.17E-09**	**1.82E-09**	**2.69E-10**	**1.52E-07**
Graders		4.94E-05	2.43E-03	1.01E-03	1.40E-04	2.58E-04	5.51E-04	4.27E-03	1.56E-04	9.54E-05	2.42E-03	-	0.00	0.00		-	-	-	-
Rubber Tired Dozers		1.38E-04	6.80E-03	2.81E-03	3.91E-04	7.22E-04	1.54E-03	1.19E-02	4.37E-04	2.67E-04	6.78E-03	-	0.01	0.00		-	-	-	-
Rollers		4.19E-05	2.06E-03	8.53E-04	1.19E-04	2.19E-04	4.68E-04	3.63E-03	1.33E-04	8.10E-05	2.06E-03	-	0.00	0.00		-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.44E-08	3.55E-08	3.96E-08	4.32E-06
LDA-TOT		3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
		0.000232	**0.011288**	**0.004758**	**0.000651**	**0.00124**	**0.002591**	**0.019924**	**0.000726**	**0.000446**	**0.0114**	**3.28986E-06**	***1.53E-02***	***5.65E-03***	***0***	**2.44753E-08**	**3.6E-08**	**3.96E-08**	**4.37E-06**
Tractors/Loaders/Backhoes		3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.00	0.00		-	-	-	-
Pavers		5.86E-05	2.88E-03	1.19E-03	1.66E-04	3.07E-04	6.54E-04	5.07E-03	1.86E-04	1.13E-04	2.88E-03	-	0.00	0.00		-	-	-	-
HHDT-DSL		8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		2.65E-11	2.45E-11	6.12E-12	1.09E-09
LDT2-TOT		1.79E-06	2.67E-07	5.22E-05	6.91E-07	2.34E-05	1.81E-05	4.49E-05	-	1.80E-06	8.43E-05	1.94E-06	0.00	0.00		-	2.81E-10	-	3.94E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		5.30E-11	4.89E-11	1.22E-11	2.17E-09
		-	-	-	-	-	0.002441	-	-	-	0.004221	-	0.00	-		-	-	-	-
LDA-TOT		3.04E-06	4.54E-07	8.85E-05	1.17E-06	3.97E-05	3.07E-05	7.61E-05	-	3.05E-06	1.43E-04	3.29E-06	0.00	0.00		-	3.72E-10	-	5.21E-08
Dust		-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09

Offroad												Annual					
Equipment	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthalene	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	ROG	PM10	Diesel PM	ARSENIC	BROMINE	CADMIUM	CHLORINE
Category	67561	78933	108383	91203	110543	95476	115071	106423	100425	108883	107028	tons/yr	tons/yr	9901	7440382	7726956	7440439	7782505
	9.83E-05	**0.004601**	**0.002044**	**0.000267**	**0.000552**	**0.003533**	**0.00821**	**0.000296**	**0.000186**	**0.009037**	**5.22987E-06**	***7.50E-03***	***2.24E-03***	***0***	**1.86E-10**	**8.25E-10**	**4.28E-11**	**9.91E-08**
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.01	0.00		-	-	-	-
LDA-TOT	1.90E-06	2.84E-07	5.53E-05	7.32E-07	2.48E-05	1.92E-05	4.75E-05	-	1.91E-06	8.94E-05	2.06E-06	0.00	0.00		-	6.98E-10	-	9.77E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.99E-10	1.84E-10	4.59E-11	8.15E-09
	6.64E-05	**0.003174**	**0.001368**	**0.000183**	**0.000362**	**0.000739**	**0.005627**	**0.000204**	**0.000127**	**0.003254**	**2.05616E-06**	***1.29E-02***	***3.49E-03***	***0***	**1.99E-10**	**8.81E-10**	**4.59E-11**	**1.06E-07**
Trenchers	6.45E-05	3.17E-03	1.31E-03	1.83E-04	3.37E-04	7.20E-04	5.58E-03	2.04E-04	1.25E-04	3.16E-03	-	0.00	0.00		-	-	-	-
LDA-TOT	1.90E-06	2.84E-07	5.53E-05	7.32E-07	2.48E-05	1.92E-05	4.75E-05	-	1.91E-06	8.94E-05	2.06E-06	0.00	0.00		-	2.33E-10	-	3.26E-08
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		6.63E-11	6.12E-11	1.53E-11	2.72E-09
	6.64E-05	**0.003174**	**0.001368**	**0.000183**	**0.000362**	**0.000739**	**0.005627**	**0.000204**	**0.000127**	**0.003254**	**2.05616E-06**	***4.30E-03***	***1.16E-03***	***0***	**6.63E-11**	**2.94E-10**	**1.53E-11**	**3.53E-08**
Air Compressors	8.60E-05	4.23E-03	1.75E-03	2.44E-04	4.50E-04	9.60E-04	7.44E-03	2.72E-04	1.66E-04	4.22E-03	-	0.21	0.11		-	-	-	-
HHDT-DSL	8.33E-07	4.1E-05	1.7E-05	2.36E-06	4.36E-06	9.3E-06	7.21E-05	2.64E-06	1.61E-06	4.09E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		1.06E-10	9.79E-11	2.45E-11	4.35E-09
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		9.54E-11	8.81E-11	2.20E-11	3.91E-09
Off-Highway Trucks	7.11E-05	3.50E-03	1.45E-03	2.01E-04	3.72E-04	7.94E-04	6.15E-03	2.25E-04	1.37E-04	3.49E-03	-	0.09	0.03		-	-	-	-
Tractors/Loaders/Backhoes	3.40E-05	1.67E-03	6.93E-04	9.64E-05	1.78E-04	3.80E-04	2.94E-03	1.08E-04	6.58E-05	1.67E-03	-	0.08	0.04		-	-	-	-
Cranes	3.44E-05	1.70E-03	7.01E-04	9.76E-05	1.80E-04	3.84E-04	2.98E-03	1.09E-04	6.66E-05	1.69E-03	-	0.08	0.04		-	-	-	-
Forklifts	2.50E-05	1.23E-03	5.10E-04	7.10E-05	1.31E-04	2.80E-04	2.17E-03	7.93E-05	4.84E-05	1.23E-03	-	0.06	0.02		-	-	-	-
LDA-TOT	5.69E-06	8.51E-07	1.66E-04	2.20E-06	7.45E-05	5.77E-05	1.43E-04	-	5.72E-06	2.68E-04	6.17E-06	0.00	0.00		-	2.51E-08	-	3.52E-06
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.16E-09	6.61E-09	1.65E-09	2.93E-07
	0.000259	**0.012461**	**0.00532**	**0.000719**	**0.001399**	**0.002884**	**0.022051**	**0.000801**	**0.000495**	**0.012694**	**6.16848E-06**	***5.17E-01***	***2.37E-01***	***0***	**7.36E-09**	**3.19E-08**	**1.7E-09**	**3.82E-06**
HHDT-DSL	1.67E-06	8.2E-05	3.39E-05	4.72E-06	8.72E-06	1.86E-05	0.000144	5.27E-06	3.22E-06	8.18E-05	-	0.00	0.00		-	-	-	-
Dust	-	-	-	-	-	-	-	-	-	-	-	-	0.00		7.42E-10	6.85E-10	1.71E-10	3.04E-08
	1.67E-06	**8.2E-05**	**3.39E-05**	**4.72E-06**	**8.72E-06**	**1.86E-05**	**0.000144**	**5.27E-06**	**3.22E-06**	**8.18E-05**	**-**	***1.94E-04***	***1.73E-04***	***0***	**7.42E-10**	**6.85E-10**	**1.71E-10**	**3.04E-08**
	1.E-03	**5.E-02**	**2.E-02**	**3.E-03**	**6.E-03**	**1.E-02**	**9.E-02**	**3.E-03**	**2.E-03**	**6.E-02**	**4.E-05**	**6.21E-01**	**2.77E-01**	**3.E-01**	**7.E-08**	**1.E-07**	**1.E-07**	**2.E-05**

Offroad																			
Equipment		CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category	18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Cranes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crushing/Proc. Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
LDA-TOT	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09	1.11E-06	1.46E-08
Dust	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-	-	-
	1.35E-10	**9.10E-09**	**6.07E-09**	**4.10E-08**	**4.40E-10**	**2.45E-09**	**9.79E-11**	**1.53E-07**	**1.81E-06**	**3.47E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.90E-07**	**3.79E-08**	**5.67E-09**	**1.11E-06**	**1.46E-08**
Excavators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust	4.16E-11	7.24E-09	6.07E-09	3.92E-08	4.40E-10	5.87E-10	9.79E-11	1.53E-07	1.32E-07	3.47E-09	-	-	-	-	-	-	-	-	-
	1.57E-08	1.66E-07	8.41E-07	1.38E-06	2.40E-08	9.12E-08	3.60E-09	4.46E-06	7.07E-06	3.97E-07	-	-	-	-	-	-	-	-	-
LDA-TOT	2.79E-10	5.58E-09	-	5.58E-09	-	5.58E-09	-	-	5.02E-06	-	5.08E-07	2.60E-07	2.30E-06	9.77E-07	1.47E-06	1.14E-07	1.70E-08	3.32E-06	4.39E-08
Dust	1.04E-10	1.81E-08	1.52E-08	9.79E-08	1.10E-09	1.47E-09	2.45E-10	3.83E-07	3.29E-07	8.69E-09	-	-	-	-	-	-	-	-	-
	1.60E-08	**1.78E-07**	**8.47E-07**	**1.42E-06**	**2.44E-08**	**9.74E-08**	**3.70E-09**	**4.61E-06**	**1.22E-05**	**4.01E-07**	**5.08E-07**	**2.60E-07**	**2.30E-06**	**9.77E-07**	**1.47E-06**	**1.14E-07**	**1.70E-08**	**3.32E-06**	**4.39E-08**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	4.88E-11	9.77E-10	-	9.77E-10	-	9.77E-10	-	-	8.79E-07	-	8.89E-08	4.55E-08	4.03E-07	1.71E-07	2.57E-07	1.99E-08	2.98E-09	5.81E-07	7.69E-09
Dust	1.82E-11	3.17E-09	2.66E-09	1.71E-08	1.93E-10	2.57E-10	4.28E-11	6.70E-08	5.76E-08	1.52E-09	-	-	-	-	-	-	-	-	-
	6.7E-11	**4.15E-09**	**2.66E-09**	**1.81E-08**	**1.93E-10**	**1.23E-09**	**4.28E-11**	**6.70E-08**	**9.37E-07**	**1.52E-09**	**8.89E-08**	**4.55E-08**	**4.03E-07**	**1.71E-07**	**2.57E-07**	**1.99E-08**	**2.98E-09**	**5.81E-07**	**7.69E-09**
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air Compressors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT	9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09	1.11E-06	1.46E-08
Dust	3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-	-	-
	9.3E-11	**1.86E-09**	**0.00E+00**	**1.86E-09**	**0.00E+00**	**1.86E-09**	**0.00E+00**	**0.00E+00**	**1.67E-06**	**0.00E+00**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.90E-07**	**3.79E-08**	**5.67E-09**	**1.11E-06**	**1.46E-08**

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.63E-11	3.26E-10	-	3.26E-10	-	3.26E-10	-	-	2.93E-07	-	2.96E-08	1.52E-08	1.34E-07	5.70E-08	8.58E-08	6.64E-09	9.92E-10	1.94E-07	2.56E-09
Dust		6.07E-12	1.06E-09	8.85E-10	5.71E-09	6.42E-11	8.57E-11	1.43E-11	2.23E-08	1.92E-08	5.07E-10	-	-	-	-	-	-	-	-	-
		2.23E-11	**1.38E-09**	**8.85E-10**	**6.04E-09**	**6.42E-11**	**4.11E-10**	**1.43E-11**	**2.23E-08**	**3.12E-07**	**5.07E-10**	**2.96E-08**	**1.52E-08**	**1.34E-07**	**5.7E-08**	**8.58E-08**	**6.64E-09**	**9.92E-10**	**1.94E-07**	**2.56E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09	1.11E-06	1.46E-08
Dust		3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-	-	-
		1.28E-10	**7.9E-09**	**5.06E-09**	**3.45E-08**	**3.67E-10**	**2.35E-09**	**8.16E-11**	**1.28E-07**	**1.78E-06**	**2.9E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.9E-07**	**3.79E-08**	**5.67E-09**	**1.11E-06**	**1.46E-08**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09	2.16E-07	2.86E-09
Dust		6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-	-	-
		2.49E-11	**1.54E-09**	**9.86E-10**	**6.73E-09**	**7.16E-11**	**4.58E-10**	**1.59E-11**	**2.49E-08**	**3.48E-07**	**5.65E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**	**2.16E-07**	**2.86E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavators		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		6.93E-13	1.21E-10	1.01E-10	6.53E-10	7.34E-12	9.79E-12	1.63E-12	2.55E-09	2.20E-09	5.79E-11	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09	2.16E-07	2.86E-09
Dust		6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-	-	-
		2.56E-11	**1.66E-09**	**1.09E-09**	**7.38E-09**	**7.89E-11**	**4.68E-10**	**1.75E-11**	**2.75E-08**	**3.5E-07**	**6.23E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**	**2.16E-07**	**2.86E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.81E-11	3.63E-10	-	3.63E-10	-	3.63E-10	-	-	3.27E-07	-	3.30E-08	1.69E-08	1.50E-07	6.35E-08	9.56E-08	7.40E-09	1.11E-09	2.16E-07	2.86E-09
Dust		6.76E-12	1.18E-09	9.86E-10	6.36E-09	7.16E-11	9.54E-11	1.59E-11	2.49E-08	2.14E-08	5.65E-10	-	-	-	-	-	-	-	-	-
		2.49E-11	**1.54E-09**	**9.86E-10**	**6.73E-09**	**7.16E-11**	**4.58E-10**	**1.59E-11**	**2.49E-08**	**3.48E-07**	**5.65E-10**	**3.3E-08**	**1.69E-08**	**1.5E-07**	**6.35E-08**	**9.56E-08**	**7.4E-09**	**1.11E-09**	**2.16E-07**	**2.86E-09**
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		3.64E-11	6.34E-09	5.31E-09	3.43E-08	3.85E-10	5.14E-10	8.57E-11	1.34E-07	1.15E-07	3.04E-09	-	-	-	-	-	-	-	-	-

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09	6.64E-07	8.78E-09
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		1.13E-10	**1.11E-08**	**8.34E-09**	**5.5E-08**	**6.06E-10**	**1.92E-09**	**1.35E-10**	**2.11E-07**	**1.19E-06**	**4.78E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**	**6.64E-07**	**8.78E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT		5.62E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.01E-06	-	7.99E-08	4.09E-08	3.62E-07	1.54E-07	2.31E-07	1.79E-08	2.67E-09	5.22E-07	6.91E-09
Dust		1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-	-	-
LDA-TOT		7.44E-11	1.49E-09	-	1.49E-09	-	1.49E-09	-	-	1.34E-06	-	1.35E-07	6.93E-08	6.14E-07	2.60E-07	3.92E-07	3.04E-08	4.54E-09	8.85E-07	1.17E-08
Dust		2.77E-11	4.83E-09	4.05E-09	2.61E-08	2.94E-10	3.92E-10	6.53E-11	1.02E-07	8.78E-08	2.32E-09	-	-	-	-	-	-	-	-	-
		1.72E-10	**9.86E-09**	**6.07E-09**	**4.18E-08**	**4.4E-10**	**3.2E-09**	**9.79E-11**	**1.53E-07**	**2.48E-06**	**3.47E-09**	**2.15E-07**	**1.1E-07**	**9.76E-07**	**4.14E-07**	**6.24E-07**	**4.83E-08**	**7.21E-09**	**1.41E-06**	**1.86E-08**
Crushing/Proc. Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		2.75E-09	4.80E-07	4.02E-07	2.59E-06	2.92E-08	3.89E-08	6.48E-09	1.01E-05	8.72E-06	2.30E-07	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		1.94E-11	3.38E-09	2.83E-09	1.83E-08	2.06E-10	2.74E-10	4.57E-11	7.15E-08	6.15E-08	1.62E-09	-	-	-	-	-	-	-	-	-
LDT2-TOT		3.94E-11	7.87E-10	-	7.87E-10	-	7.87E-10	-	-	7.08E-07	-	5.59E-08	2.86E-08	2.53E-07	1.08E-07	1.62E-07	1.25E-08	1.87E-09	3.65E-07	4.83E-09
Dust		9.71E-12	1.69E-09	1.42E-09	9.14E-09	1.03E-10	1.37E-10	2.28E-11	3.58E-08	3.07E-08	8.11E-10	-	-	-	-	-	-	-	-	-
LDA-TOT		6.51E-11	1.30E-09	-	1.30E-09	-	1.30E-09	-	-	1.17E-06	-	1.19E-07	6.07E-08	5.37E-07	2.28E-07	3.43E-07	2.66E-08	3.97E-09	7.74E-07	1.02E-08
Dust		2.43E-11	4.23E-09	3.54E-09	2.28E-08	2.57E-10	3.43E-10	5.71E-11	8.94E-08	7.69E-08	2.03E-09	-	-	-	-	-	-	-	-	-
		2.91E-09	**4.91E-07**	**4.1E-07**	**2.64E-06**	**2.97E-08**	**4.17E-08**	**6.61E-09**	**1.03E-05**	**1.08E-05**	**2.35E-07**	**1.74E-07**	**8.93E-08**	**7.91E-07**	**3.35E-07**	**5.05E-07**	**3.91E-08**	**5.84E-09**	**1.14E-06**	**1.51E-08**
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1.33E-08	1.40E-07	7.12E-07	1.17E-06	2.03E-08	7.72E-08	3.05E-09	3.77E-06	5.99E-06	3.36E-07	-	-	-	-	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
		1.33E-08	**1.42E-07**	**7.13E-07**	**1.17E-06**	**2.04E-08**	**7.76E-08**	**3.06E-09**	**3.8E-06**	**6.34E-06**	**3.37E-07**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**	**2.21E-07**	**2.93E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-	-	-
LDT2-TOT		1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10	1.30E-07	1.73E-09
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
		4.48E-11	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**	**3.52E-07**	**4.66E-09**

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09	6.64E-07	8.78E-09
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		7.66E-11	**4.74E-09**	**3.03E-09**	**2.07E-08**	**2.2E-10**	**1.41E-09**	**4.89E-11**	**7.66E-08**	**1.07E-06**	**1.74E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**	**6.64E-07**	**8.78E-09**
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		6.93E-11	1.21E-08	1.01E-08	6.53E-08	7.34E-10	9.79E-10	1.63E-10	2.55E-07	2.20E-07	5.79E-09	-	-	-	-	-	-	-	-	-
		6.93E-11	**1.21E-08**	**1.01E-08**	**6.53E-08**	**7.34E-10**	**9.79E-10**	**1.63E-10**	**2.55E-07**	**2.2E-07**	**5.79E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		3.3.E-08	**8.8.E-07**	**2.0.E-06**	**5.6.E-06**	**7.8.E-08**	**2.3.E-07**	**1.4.E-08**	**2.0.E-05**	**4.2.E-05**	**1.0.E-06**	**1.9.E-06**	**9.8.E-07**	**8.7.E-06**	**3.4.E-05**	**5.5.E-06**	**4.3.E-07**	**6.4.E-08**	**1.3.E-05**	**1.7.E-07**
Cranes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Concrete/Industrial Saws		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		4.65E-11	9.30E-10	-	9.30E-10	-	9.30E-10	-	-	8.37E-07	-	8.46E-08	4.33E-08	3.84E-07	1.63E-07	2.45E-07	1.90E-08	2.84E-09	5.53E-07	7.32E-09
Dust		1.73E-11	3.02E-09	2.53E-09	1.63E-08	1.84E-10	2.45E-10	4.08E-11	6.39E-08	5.49E-08	1.45E-09	-	-	-	-	-	-	-	-	-
		6.39E-11	**3.95E-09**	**2.53E-09**	**1.72E-08**	**1.84E-10**	**1.18E-09**	**4.08E-11**	**6.39E-08**	**8.92E-07**	**1.45E-09**	**8.46E-08**	**4.33E-08**	**3.84E-07**	**1.63E-07**	**2.45E-07**	**1.9E-08**	**2.84E-09**	**5.53E-07**	**7.32E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09	7.19E-07	9.52E-09
Dust		2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-	-	-
		8.3E-11	**5.13E-09**	**3.29E-09**	**2.24E-08**	**2.39E-10**	**1.53E-09**	**5.3E-11**	**8.3E-08**	**1.16E-06**	**1.88E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**	**7.19E-07**	**9.52E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excavators		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		2.77E-12	4.83E-10	4.05E-10	2.61E-09	2.94E-11	3.92E-11	6.53E-12	1.02E-08	8.78E-09	2.32E-10	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09	7.19E-07	9.52E-09
Dust		2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-	-	-
		8.58E-11	**5.62E-09**	**3.69E-09**	**2.5E-08**	**2.68E-10**	**1.57E-09**	**5.95E-11**	**9.32E-08**	**1.17E-06**	**2.11E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**	**7.19E-07**	**9.52E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		6.05E-11	1.21E-09	-	1.21E-09	-	1.21E-09	-	-	1.09E-06	-	1.10E-07	5.63E-08	4.99E-07	2.12E-07	3.19E-07	2.47E-08	3.69E-09	7.19E-07	9.52E-09
Dust		2.25E-11	3.92E-09	3.29E-09	2.12E-08	2.39E-10	3.18E-10	5.30E-11	8.30E-08	7.14E-08	1.88E-09	-	-	-	-	-	-	-	-	-
		8.3E-11	**5.13E-09**	**3.29E-09**	**2.24E-08**	**2.39E-10**	**1.53E-09**	**5.3E-11**	**8.3E-08**	**1.16E-06**	**1.88E-09**	**1.1E-07**	**5.63E-08**	**4.99E-07**	**2.12E-07**	**3.19E-07**	**2.47E-08**	**3.69E-09**	**7.19E-07**	**9.52E-09**
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoist/swing/winch		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator Sets		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		9.30E-11	1.86E-09	-	1.86E-09	-	1.86E-09	-	-	1.67E-06	-	1.69E-07	8.67E-08	7.68E-07	3.26E-07	4.90E-07	3.79E-08	5.67E-09	1.11E-06	1.46E-08
Dust		3.47E-11	6.04E-09	5.06E-09	3.26E-08	3.67E-10	4.89E-10	8.16E-11	1.28E-07	1.10E-07	2.90E-09	-	-	-	-	-	-	-	-	-
		1.28E-10	**7.9E-09**	**5.06E-09**	**3.45E-08**	**3.67E-10**	**2.35E-09**	**8.16E-11**	**1.28E-07**	**1.78E-06**	**2.9E-09**	**1.69E-07**	**8.67E-08**	**7.68E-07**	**3.26E-07**	**4.9E-07**	**3.79E-08**	**5.67E-09**	**1.11E-06**	**1.46E-08**
Excavators		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		1.97E-09	2.07E-08	1.05E-07	1.73E-07	3.00E-09	1.14E-08	4.50E-10	5.57E-07	8.84E-07	4.97E-08	-	-	-	-	-	-	-	-	-
LDA-TOT		1.12E-10	2.23E-09	-	2.23E-09	-	2.23E-09	-	-	2.01E-06	-	2.03E-07	1.04E-07	9.21E-07	3.91E-07	5.88E-07	4.55E-08	6.80E-09	1.33E-06	1.76E-08
Dust		4.16E-11	7.24E-09	6.07E-09	3.92E-08	4.40E-10	5.87E-10	9.79E-11	1.53E-07	1.32E-07	3.47E-09	-	-	-	-	-	-	-	-	-
		2.14E-09	**3.38E-08**	**1.14E-07**	**2.33E-07**	**3.66E-09**	**1.45E-08**	**5.97E-10**	**7.87E-07**	**3.09E-06**	**5.49E-08**	**2.03E-07**	**1.04E-07**	**9.21E-07**	**3.91E-07**	**5.88E-07**	**4.55E-08**	**6.8E-09**	**1.33E-06**	**1.76E-08**
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.68E-11	8.15E-09	6.83E-09	4.40E-08	4.96E-10	6.61E-10	1.10E-10	1.72E-07	1.48E-07	3.91E-09	-	-	-	-	-	-	-	-	-
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09	6.64E-07	8.78E-09
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		1.23E-10	**1.29E-08**	**9.86E-09**	**6.47E-08**	**7.16E-10**	**2.07E-09**	**1.59E-10**	**2.49E-07**	**1.22E-06**	**5.65E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**	**6.64E-07**	**8.78E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT		4.13E-10	8.27E-09	-	8.27E-09	-	8.27E-09	-	-	7.44E-06	-	1.44E-07	7.35E-08	6.51E-07	2.76E-07	4.16E-07	3.22E-08	4.81E-09	9.38E-07	1.24E-08
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
LDA-TOT		3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09	4.42E-07	5.86E-09
Dust		1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-	-	-
		4.71E-10	**1.26E-08**	**3.03E-09**	**2.86E-08**	**2.2E-10**	**9.31E-09**	**4.89E-11**	**7.66E-08**	**8.18E-06**	**1.74E-09**	**2.11E-07**	**1.08E-07**	**9.58E-07**	**4.06E-07**	**6.12E-07**	**4.74E-08**	**7.08E-09**	**1.38E-06**	**1.83E-08**
Concrete/Industrial Saws		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
LDT2-TOT		1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10	1.30E-07	1.73E-09

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
LDA-TOT		2.33E-11	4.65E-10	-	4.65E-10	-	4.65E-10	-	-	4.19E-07	-	4.23E-08	2.17E-08	1.92E-07	8.14E-08	1.23E-07	9.49E-09	1.42E-09	2.77E-07	3.66E-09
Dust		8.67E-12	1.51E-09	1.26E-09	8.16E-09	9.18E-11	1.22E-10	2.04E-11	3.19E-08	2.74E-08	7.24E-10	-	-	-	-	-	-	-	-	-
		1.01E-10	**1.19E-08**	**9.36E-09**	**6.11E-08**	**6.79E-10**	**1.65E-09**	**1.51E-10**	**2.36E-07**	**8.75E-07**	**5.36E-09**	**6.23E-08**	**3.19E-08**	**2.82E-07**	**1.2E-07**	**1.8E-07**	**1.4E-08**	**2.09E-09**	**4.07E-07**	**5.39E-09**
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1.33E-08	1.40E-07	7.12E-07	1.17E-06	2.03E-08	7.72E-08	3.05E-09	3.77E-06	5.99E-06	3.36E-07	-	-	-	-	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
		1.33E-08	**1.42E-07**	**7.13E-07**	**1.17E-06**	**2.04E-08**	**7.76E-08**	**3.06E-09**	**3.8E-06**	**6.34E-06**	**3.37E-07**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**	**2.21E-07**	**2.93E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-	-	-
LDT2-TOT		1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10	1.30E-07	1.73E-09
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
		4.48E-11	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**	**3.52E-07**	**4.66E-09**
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		5.58E-11	1.12E-09	-	1.12E-09	-	1.12E-09	-	-	1.00E-06	-	1.02E-07	5.20E-08	4.61E-07	1.95E-07	2.94E-07	2.28E-08	3.40E-09	6.64E-07	8.78E-09
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		7.66E-11	**4.74E-09**	**3.03E-09**	**2.07E-08**	**2.2E-10**	**1.41E-09**	**4.89E-11**	**7.66E-08**	**1.07E-06**	**1.74E-09**	**1.02E-07**	**5.2E-08**	**4.61E-07**	**1.95E-07**	**2.94E-07**	**2.28E-08**	**3.4E-09**	**6.64E-07**	**8.78E-09**
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-	-	-
		4.85E-11	**8.45E-09**	**7.08E-09**	**4.57E-08**	**5.14E-10**	**6.85E-10**	**1.14E-10**	**1.79E-07**	**1.54E-07**	**4.05E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		1.7.E-08	**2.6.E-07**	**8.8.E-07**	**1.8.E-06**	**2.8.E-08**	**1.2.E-07**	**4.5.E-09**	**5.9.E-06**	**2.8.E-05**	**4.2.E-07**	**1.4.E-06**	**6.9.E-07**	**6.1.E-06**	**3.3.E-05**	**3.9.E-06**	**3.0.E-07**	**4.5.E-08**	**8.8.E-06**	**1.2.E-07**
Excavators		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		2.08E-11	3.62E-09	3.03E-09	1.96E-08	2.20E-10	2.94E-10	4.89E-11	7.66E-08	6.59E-08	1.74E-09	-	-	-	-	-	-	-	-	-
		1.97E-08	2.07E-07	1.05E-06	1.73E-06	3.00E-08	1.14E-07	4.50E-09	5.57E-06	8.84E-06	4.97E-07	-	-	-	-	-	-	-	-	-
LDA-TOT		1.40E-10	2.79E-09	-	2.79E-09	-	2.79E-09	-	-	2.51E-06	-	2.54E-07	1.30E-07	1.15E-06	4.88E-07	7.36E-07	5.69E-08	8.51E-09	1.66E-06	2.20E-08
Dust		5.20E-11	9.05E-09	7.59E-09	4.89E-08	5.51E-10	7.34E-10	1.22E-10	1.92E-07	1.65E-07	4.34E-09	-	-	-	-	-	-	-	-	-
		1.99E-08	**2.22E-07**	**1.06E-06**	**1.8E-06**	**3.08E-08**	**1.18E-07**	**4.67E-09**	**5.84E-06**	**1.16E-05**	**5.03E-07**	**2.54E-07**	**1.3E-07**	**1.15E-06**	**4.88E-07**	**7.36E-07**	**5.69E-08**	**8.51E-09**	**1.66E-06**	**2.2E-08**

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-	-	-
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09	4.42E-07	5.86E-09
Dust		1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-	-	-
		9.96E-11	**1.16E-08**	**9.1E-09**	**5.95E-08**	**6.61E-10**	**1.63E-09**	**1.47E-10**	**2.3E-07**	**8.68E-07**	**5.21E-09**	**6.77E-08**	**3.47E-08**	**3.07E-07**	**1.3E-07**	**1.96E-07**	**1.52E-08**	**2.27E-09**	**4.42E-07**	**5.86E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDT2-TOT		2.81E-11	5.62E-10	-	5.62E-10	-	5.62E-10	-	-	5.06E-07	-	3.99E-08	2.04E-08	1.81E-07	7.68E-08	1.16E-07	8.95E-09	1.34E-09	2.61E-07	3.45E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
LDA-TOT		3.72E-11	7.44E-10	-	7.44E-10	-	7.44E-10	-	-	6.70E-07	-	6.77E-08	3.47E-08	3.07E-07	1.30E-07	1.96E-07	1.52E-08	2.27E-09	4.42E-07	5.86E-09
Dust		1.39E-11	2.41E-09	2.02E-09	1.31E-08	1.47E-10	1.96E-10	3.26E-11	5.11E-08	4.39E-08	1.16E-09	-	-	-	-	-	-	-	-	-
		8.61E-11	**4.93E-09**	**3.03E-09**	**2.09E-08**	**2.2E-10**	**1.6E-09**	**4.89E-11**	**7.66E-08**	**1.24E-06**	**1.74E-09**	**1.08E-07**	**5.51E-08**	**4.88E-07**	**2.07E-07**	**3.12E-07**	**2.41E-08**	**3.61E-09**	**7.03E-07**	**9.31E-09**
Concrete/Industrial Saws		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Loaders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		1.56E-11	2.72E-09	2.28E-09	1.47E-08	1.65E-10	2.20E-10	3.67E-11	5.75E-08	4.94E-08	1.30E-09	-	-	-	-	-	-	-	-	-
LDT2-TOT		1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10	1.30E-07	1.73E-09
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
LDA-TOT		2.33E-11	4.65E-10	-	4.65E-10	-	4.65E-10	-	-	4.19E-07	-	4.23E-08	2.17E-08	1.92E-07	8.14E-08	1.23E-07	9.49E-09	1.42E-09	2.77E-07	3.66E-09
Dust		8.67E-12	1.51E-09	1.26E-09	8.16E-09	9.18E-11	1.22E-10	2.04E-11	3.19E-08	2.74E-08	7.24E-10	-	-	-	-	-	-	-	-	-
		1.14E-10	**1.4E-08**	**1.11E-08**	**7.25E-08**	**8.08E-10**	**1.82E-09**	**1.79E-10**	**2.81E-07**	**9.13E-07**	**6.37E-09**	**6.23E-08**	**3.19E-08**	**2.82E-07**	**1.2E-07**	**1.8E-07**	**1.4E-08**	**2.09E-09**	**4.07E-07**	**5.39E-09**
Graders		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubber Tired Dozers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rollers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1.33E-08	1.40E-07	7.12E-07	1.17E-06	2.03E-08	7.72E-08	3.05E-09	3.77E-06	5.99E-06	3.36E-07	-	-	-	-	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
		1.33E-08	**1.42E-07**	**7.13E-07**	**1.17E-06**	**2.04E-08**	**7.76E-08**	**3.06E-09**	**3.8E-06**	**6.34E-06**	**3.37E-07**	**3.39E-08**	**1.73E-08**	**1.54E-07**	**6.51E-08**	**9.81E-08**	**7.59E-09**	**1.13E-09**	**2.21E-07**	**2.93E-09**
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pavers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		1.73E-12	3.02E-10	2.53E-10	1.63E-09	1.84E-11	2.45E-11	4.08E-12	6.39E-09	5.49E-09	1.45E-10	-	-	-	-	-	-	-	-	-
LDT2-TOT		1.41E-11	2.81E-10	-	2.81E-10	-	2.81E-10	-	-	2.53E-07	-	2.00E-08	1.02E-08	9.05E-08	3.84E-08	5.78E-08	4.48E-09	6.69E-10	1.30E-07	1.73E-09
Dust		3.47E-12	6.04E-10	5.06E-10	3.26E-09	3.67E-11	4.89E-11	8.16E-12	1.28E-08	1.10E-08	2.90E-10	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-	3.03E-05	-	-	-	-	-
LDA-TOT		1.86E-11	3.72E-10	-	3.72E-10	-	3.72E-10	-	-	3.35E-07	-	3.39E-08	1.73E-08	1.54E-07	6.51E-08	9.81E-08	7.59E-09	1.13E-09	2.21E-07	2.93E-09
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-

Offroad																			
Equipment	e	CHROMIUM VI	COPPER	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SULFUR	SULFATES	VANADIUM	1,3-butadiene	acetaldehyde	benzene	ethylbenzene	formaldehyde	methanol	methyl ethyl ketone (mek) (2-butanone)	m-xylene	naphthale
Category		18540299	7440508	7439921	7439965	7439976	7440020	7782492	7704349	9960	7440622	106990	75070	71432	100414	50000	67561	78933	108383	91203
		4.48E-11	**2.77E-09**	**1.77E-09**	**1.21E-08**	**1.28E-10**	**8.25E-10**	**2.86E-11**	**4.47E-08**	**6.26E-07**	**1.01E-09**	**5.38E-08**	**2.76E-08**	**2.44E-07**	**3.04E-05**	**1.56E-07**	**1.21E-08**	**1.8E-09**	**3.52E-07**	**4.66E-09**
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		3.49E-11	6.98E-10	-	6.98E-10	-	6.98E-10	-	-	6.28E-07	-	6.35E-08	3.25E-08	2.88E-07	1.22E-07	1.84E-07	1.42E-08	2.13E-09	4.15E-07	5.49E-09
Dust		1.30E-11	2.26E-09	1.90E-09	1.22E-08	1.38E-10	1.84E-10	3.06E-11	4.79E-08	4.12E-08	1.09E-09	-	-	-	-	-	-	-	-	-
		4.79E-11	**2.96E-09**	**1.9E-09**	**1.29E-08**	**1.38E-10**	**8.81E-10**	**3.06E-11**	**4.79E-08**	**6.69E-07**	**1.09E-09**	**6.35E-08**	**3.25E-08**	**2.88E-07**	**1.22E-07**	**1.84E-07**	**1.42E-08**	**2.13E-09**	**4.15E-07**	**5.49E-09**
Trenchers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.16E-11	2.33E-10	-	2.33E-10	-	2.33E-10	-	-	2.09E-07	-	2.12E-08	1.08E-08	9.59E-08	4.07E-08	6.13E-08	4.74E-09	7.09E-10	1.38E-07	1.83E-09
Dust		4.33E-12	7.55E-10	6.32E-10	4.08E-09	4.59E-11	6.12E-11	1.02E-11	1.60E-08	1.37E-08	3.62E-10	-	-	-	-	-	-	-	-	-
		1.6E-11	**9.87E-10**	**6.32E-10**	**4.31E-09**	**4.59E-11**	**2.94E-10**	**1.02E-11**	**1.6E-08**	**2.23E-07**	**3.62E-10**	**2.12E-08**	**1.08E-08**	**9.59E-08**	**4.07E-08**	**6.13E-08**	**4.74E-09**	**7.09E-10**	**1.38E-07**	**1.83E-09**
Air Compressors		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		6.93E-12	1.21E-09	1.01E-09	6.53E-09	7.34E-11	9.79E-11	1.63E-11	2.55E-08	2.20E-08	5.79E-10	-	-	-	-	-	-	-	-	-
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		6.24E-12	1.09E-09	9.10E-10	5.87E-09	6.61E-11	8.81E-11	1.47E-11	2.30E-08	1.98E-08	5.21E-10	-	-	-	-	-	-	-	-	-
Off-Highway Trucks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tractors/Loaders/Backhoes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cranes		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forklifts		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDA-TOT		1.26E-09	2.51E-08	-	2.51E-08	-	2.51E-08	-	-	2.26E-05	-	2.29E-06	1.17E-06	1.04E-05	4.40E-06	6.62E-06	5.12E-07	7.65E-08	1.49E-05	1.98E-07
Dust		4.68E-10	8.15E-08	6.83E-08	4.40E-07	4.96E-09	6.61E-09	1.10E-09	1.72E-06	1.48E-06	3.91E-08	-	-	-	-	-	-	-	-	-
		1.74E-09	**1.09E-07**	**7.02E-08**	**4.78E-07**	**5.09E-09**	**3.19E-08**	**1.13E-09**	**1.77E-06**	**2.41E-05**	**4.02E-08**	**2.29E-06**	**1.17E-06**	**1.04E-05**	**4.4E-06**	**6.62E-06**	**5.12E-07**	**7.65E-08**	**1.49E-05**	**1.98E-07**
HHDT-DSL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dust		4.85E-11	8.45E-09	7.08E-09	4.57E-08	5.14E-10	6.85E-10	1.14E-10	1.79E-07	1.54E-07	4.05E-09	-	-	-	-	-	-	-	-	-
		4.85E-11	**8.45E-09**	**7.08E-09**	**4.57E-08**	**5.14E-10**	**6.85E-10**	**1.14E-10**	**1.79E-07**	**1.54E-07**	**4.05E-09**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		4.E-08	5.E-07	2.E-06	4.E-06	6.E-08	2.E-07	9.E-09	1.E-05	5.E-05	9.E-07	3.E-06	2.E-06	1.E-05	4.E-05	9.E-06	7.E-07	1.E-07	2.E-05	3.E-07

Offroad								
Equipment	**n-hexane**	**o-xylene**	**propene**	**p-xylene**	**styrene**	**toluene**	**acrolein (2-propenal)**	
Category	110543	95476	115071	106423	100425	108883	107028	
Cranes	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Crushing/Proc. Equipment	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDA-TOT	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	
	4.96E-07	**3.84E-07**	**9.51E-07**	**0.00E+00**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Excavators	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	1.49E-06	1.15E-06	2.85E-06	-	1.14E-07	5.36E-06	1.23E-07	
Dust	-	-	-	-	-	-	-	
	1.49E-06	**1.15E-06**	**2.85E-06**	**0.00E+00**	**1.14E-07**	**5.36E-06**	**1.23E-07**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
LDA-TOT	2.61E-07	2.02E-07	4.99E-07	-	2.00E-08	9.38E-07	2.16E-08	
Dust	-	-	-	-	-	-	-	
	2.61E-07	**2.02E-07**	**4.99E-07**	**0.00E+00**	**2.00E-08**	**9.38E-07**	**2.16E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Air Compressors	-	-	-	-	-	-	-	
LDA-TOT	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	
	4.96E-07	**3.84E-07**	**9.51E-07**	**0.00E+00**	**3.81E-08**	**1.79E-06**	**4.11E-08**	

Offroad								
Equipment	ne	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	110543	95476	115071	106423	100425	108883	107028	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
LDA-TOT	8.69E-08	6.73E-08	1.66E-07	-	6.67E-09	3.13E-07	7.20E-09	
Dust	-	-	-	-	-	-	-	
	8.69E-08	**6.73E-08**	**1.66E-07**	**-**	**6.67E-09**	**3.13E-07**	**7.2E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
LDA-TOT	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	
	4.96E-07	**3.84E-07**	**9.51E-07**	**-**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	
	9.68E-08	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Excavators	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	
	9.68E-08	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	9.68E-08	7.50E-08	1.85E-07	-	7.44E-09	3.48E-07	8.02E-09	
Dust	-	-	-	-	-	-	-	
	9.68E-08	**7.5E-08**	**1.85E-07**	**-**	**7.44E-09**	**3.48E-07**	**8.02E-09**	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	

Offroad								
Equipment	ne n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	
Category	110543	95476	115071	106423	100425	108883	107028	
Graders	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
LDA-TOT	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	
	2.98E-07	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	
LDT2-TOT	2.34E-07	1.81E-07	4.49E-07	-	1.80E-08	8.43E-07	1.94E-08	
Dust	-	-	-	-	-	-	-	
LDA-TOT	3.97E-07	3.07E-07	7.61E-07	-	3.05E-08	1.43E-06	3.29E-08	
Dust	-	-	-	-	-	-	-	
	6.31E-07	**4.89E-07**	**1.21E-06**	**-**	**4.85E-08**	**2.27E-06**	**5.23E-08**	
Crushing/Proc. Equipment	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	1.64E-07	1.27E-07	3.14E-07	-	1.26E-08	5.90E-07	1.36E-08	
Dust	-	-	-	-	-	-	-	
LDA-TOT	3.48E-07	2.69E-07	6.66E-07	-	2.67E-08	1.25E-06	2.88E-08	
Dust	-	-	-	-	-	-	-	
	5.11E-07	**3.96E-07**	**9.79E-07**	**-**	**3.93E-08**	**1.84E-06**	**4.24E-08**	
Graders	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	
	9.93E-08	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	
	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	
	1.58E-07	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	

Offroad								
Equipment	ne n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)	
Category	110543	95476	115071	106423	100425	108883	107028	
Trenchers	-	-	-	-	-	-	-	
LDA-TOT	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	
	2.98E-07	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	
	5.6.E-06	**5.3.E-05**	**1.1.E-05**	**0.0.E+00**	**4.3.E-07**	**1.0.E-04**	**4.6.E-07**	
Cranes	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Concrete/Industrial Saws	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
LDA-TOT	2.48E-07	1.92E-07	4.75E-07	-	1.91E-08	8.94E-07	2.06E-08	
Dust	-	-	-	-	-	-	-	
	2.48E-07	**1.92E-07**	**4.75E-07**	**-**	**1.91E-08**	**8.94E-07**	**2.06E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	
	3.23E-07	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Excavators	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	
	3.23E-07	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	

Offroad								
Equipment	ne	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	110543	95476	115071	106423	100425	108883	107028	
Hoist/swing/winch	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
NA	-	-	-	-	-	-	-	
LDA-TOT	3.23E-07	2.50E-07	6.18E-07	-	2.48E-08	1.16E-06	2.67E-08	
Dust	-	-	-	-	-	-	-	
	3.23E-07	**2.5E-07**	**6.18E-07**	**-**	**2.48E-08**	**1.16E-06**	**2.67E-08**	
Hoist/swing/winch	-	-	-	-	-	-	-	
Hoist/swing/winch	-	-	-	-	-	-	-	
Generator Sets	-	-	-	-	-	-	-	
LDA-TOT	4.96E-07	3.84E-07	9.51E-07	-	3.81E-08	1.79E-06	4.11E-08	
Dust	-	-	-	-	-	-	-	
	4.96E-07	**3.84E-07**	**9.51E-07**	**-**	**3.81E-08**	**1.79E-06**	**4.11E-08**	
Excavators	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	5.96E-07	4.61E-07	1.14E-06	-	4.58E-08	2.14E-06	4.93E-08	
Dust	-	-	-	-	-	-	-	
	5.96E-07	**4.61E-07**	**1.14E-06**	**-**	**4.58E-08**	**2.14E-06**	**4.93E-08**	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
Graders	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
LDA-TOT	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	
	2.98E-07	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	
LDT2-TOT	4.21E-07	3.26E-07	8.07E-07	-	3.23E-08	1.52E-06	3.49E-08	
Dust	-	-	-	-	-	-	-	
LDA-TOT	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	
	6.2E-07	**4.8E-07**	**1.19E-06**	**-**	**4.76E-08**	**2.23E-06**	**5.13E-08**	
Concrete/Industrial Saws	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	

Offroad								
Equipment	ne	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	110543	95476	115071	106423	100425	108883	107028	
Dust	-	-	-	-	-	-	-	
LDA-TOT	1.24E-07	9.61E-08	2.38E-07	-	9.53E-09	4.47E-07	1.03E-08	
Dust	-	-	-	-	-	-	-	
	1.83E-07	**1.41E-07**	**3.5E-07**	**-**	**1.4E-08**	**6.58E-07**	**1.51E-08**	
Graders	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	
	9.93E-08	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	
	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	
	1.58E-07	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	
Trenchers	-	-	-	-	-	-	-	
LDA-TOT	2.98E-07	2.31E-07	5.70E-07	-	2.29E-08	1.07E-06	2.47E-08	
Dust	-	-	-	-	-	-	-	
	2.98E-07	**2.31E-07**	**5.7E-07**	**-**	**2.29E-08**	**1.07E-06**	**2.47E-08**	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	
	4.0.E-06	**5.2.E-05**	**7.6.E-06**	**0.0.E+00**	**3.0.E-07**	**9.9.E-05**	**3.3.E-07**	
Excavators	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	7.45E-07	5.77E-07	1.43E-06	-	5.72E-08	2.68E-06	6.17E-08	
Dust	-	-	-	-	-	-	-	
	7.45E-07	**5.77E-07**	**1.43E-06**	**-**	**5.72E-08**	**2.68E-06**	**6.17E-08**	

Offroad								
Equipment	ne	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	110543	95476	115071	106423	100425	108883	107028	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
Graders	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
LDA-TOT	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	
	1.99E-07	**1.54E-07**	**3.8E-07**	**-**	**1.53E-08**	**7.15E-07**	**1.64E-08**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Trenchers	-	-	-	-	-	-	-	
LDT2-TOT	1.17E-07	9.07E-08	2.24E-07	-	8.99E-09	4.22E-07	9.70E-09	
Dust	-	-	-	-	-	-	-	
LDA-TOT	1.99E-07	1.54E-07	3.80E-07	-	1.53E-08	7.15E-07	1.64E-08	
Dust	-	-	-	-	-	-	-	
	3.16E-07	**2.44E-07**	**6.05E-07**	**-**	**2.42E-08**	**1.14E-06**	**2.61E-08**	
Concrete/Industrial Saws	-	-	-	-	-	-	-	
Rubber Tired Loaders	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	
LDA-TOT	1.24E-07	9.61E-08	2.38E-07	-	9.53E-09	4.47E-07	1.03E-08	
Dust	-	-	-	-	-	-	-	
	1.83E-07	**1.41E-07**	**3.5E-07**	**-**	**1.4E-08**	**6.58E-07**	**1.51E-08**	
Graders	-	-	-	-	-	-	-	
Rubber Tired Dozers	-	-	-	-	-	-	-	
Rollers	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	
	9.93E-08	**7.69E-08**	**1.9E-07**	**-**	**7.63E-09**	**3.57E-07**	**8.22E-09**	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Pavers	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
LDT2-TOT	5.86E-08	4.53E-08	1.12E-07	-	4.50E-09	2.11E-07	4.85E-09	
Dust	-	-	-	-	-	-	-	
	-	4.88E-05	-	-	-	8.44E-05	-	
LDA-TOT	9.93E-08	7.69E-08	1.90E-07	-	7.63E-09	3.57E-07	8.22E-09	
Dust	-	-	-	-	-	-	-	

Offroad								
Equipment	ne	n-hexane	o-xylene	propene	p-xylene	styrene	toluene	acrolein (2-propenal)
Category	110543	95476	115071	106423	100425	108883	107028	
	1.58E-07	**4.89E-05**	**3.02E-07**	**-**	**1.21E-08**	**8.5E-05**	**1.31E-08**	
Trenchers	-	-	-	-	-	-	-	
LDA-TOT	1.86E-07	1.44E-07	3.57E-07	-	1.43E-08	6.70E-07	1.54E-08	
Dust	-	-	-	-	-	-	-	
	1.86E-07	**1.44E-07**	**3.57E-07**	**-**	**1.43E-08**	**6.7E-07**	**1.54E-08**	
Trenchers	-	-	-	-	-	-	-	
LDA-TOT	6.21E-08	4.80E-08	1.19E-07	-	4.77E-09	2.23E-07	5.14E-09	
Dust	-	-	-	-	-	-	-	
	6.21E-08	**4.8E-08**	**1.19E-07**	**-**	**4.77E-09**	**2.23E-07**	**5.14E-09**	
Air Compressors	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
Off-Highway Trucks	-	-	-	-	-	-	-	
Tractors/Loaders/Backhoes	-	-	-	-	-	-	-	
Cranes	-	-	-	-	-	-	-	
Forklifts	-	-	-	-	-	-	-	
LDA-TOT	6.70E-06	5.19E-06	1.28E-05	-	5.15E-07	2.41E-05	5.55E-07	
Dust	-	-	-	-	-	-	-	
	6.7E-06	**5.19E-06**	**1.28E-05**	**-**	**5.15E-07**	**2.41E-05**	**5.55E-07**	
HHDT-DSL	-	-	-	-	-	-	-	
Dust	-	-	-	-	-	-	-	
	-	**-**	**-**	**-**	**-**	**-**	**-**	
	9.E-06	**6.E-05**	**2.E-05**	**0.E+00**	**7.E-07**	**1.E-04**	**7.E-07**	

Appendix C4

Greenhouse Gas Analysis

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Calculation Methodology for GHG

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Calculation Methodology for GHG

1 Stationary Source Combustion

1.1 Description

Stationary combustion includes the following sources operated at the project location.

Category Assumptions:

- Boat hoists used at ALBS.[1]
- The fuel used for this equipment will be diesel.

Diesel emission factors for CO_2, CH_4, and N_2O were provided directly by The Climate Registry (TCR) January 2011 emission factor update in units of pounds per gallon (lbs/gal). The fuel usage for the boat hoist was obtained CARB Executive Order U-R-004-0376, John Deere Power Systems for a 400 hp engine (Model HF6090, 2010 Model Year, Engine Family AJFXL09.0102).

1.2 Equations

1.2.1 Mass Emissions Estimates

General Equation:

Total Emissions = Emission Factor (lbs/gal)

x Fuel Usage (gal)

x 0.000001 (metric tons per gram)

Example:

Given: Equipment fuel usage of 8.3 gal/day

Total Emissions CO_2 = 22.3 lb/gal [from TCR]

x 8.3 (gal/day)

[1] Although most sources are mobile, they are classified as stationary for the purposes of GHG reporting because they remain onsite.

x 260 (days per year)

x 1/2204.64 (lbs/metric ton)

Total Emissions CO_2 = 22 metric tons

1.2.2 Converting Mass Estimates to Carbon Dioxide Equivalent (CO_2e)

General Equation

Metric Tons of CO_2e = Metric Tons of GHG x GWP

Global warming potentials (GWPs) are listed in Table E1.3-1.

Example:

Given: GHG Emission Rate = 0.014 metric tons of CH_4;

GWP = 21 (from Table E1.3-1)

Metric Tons of CO_2e = Metric Tons of GHG x GWP

Metric Tons of CO_2e = 0.014 Metric Tons of Methane x 21

Metric Tons of CO_2e = 0.29

1.2.2.1 Data Requirements – Construction Equipment and Off-road On-site Equipment

Fuel Usage:

Gas _____ miles driven (for on-road construction worker trips)

OR

Diesel _____ hp-hr

1.3 Emission Factors

OFFROAD2007 for Diesel CO_2 and CH_4 emission factors (g/hp-hr)

Table 2-1 for original CH_4 and N_2O emission factors (kg/gal)

Table 2-5 for converted CH_4 and N_2O emission factors (g/hp-hr)

2 Mobile Source Combustion

2.1 Description

This source category includes mobile sources that travel both on- and off-site.

Category Assumptions:

- Primarily consists of trucks and worker commute vehicles.
- The fuel used will be diesel/distillate/residual fuel or gasoline.

For diesel trucks, CO_2 emission factors in units of grams per mile (g/mi) were obtained directly from the EMFAC2007 emission factor program. Emission factors from the TCR GRP (g/mi), Table 13.4, for diesel heavy-duty vehicles were used for CH_4. Emissions of N_2O were assumed to be negligible and were not calculated.

For worker commute vehicles, CO_2 and CH_4 emission factors were obtained from EMFAC2007 in g/mi. Emissions of N_2O were assumed to be negligible and were not calculated.

2.2 Equations

2.2.1 Mass Emissions Estimates

General Equations:

GHGs of Source Category CO_2, CH_4, N_2O

Total Emissions = Emission Factor (g GHG/hp-hr)

x Work Produced (hp-hr)

x 0.000001 (metric tons per gram)

OR

Total Emissions = Emission Factor (g GHG/mile)

x Miles driven (miles)

x 0.000001 (metric tons per gram)

Example:

Given: 1,000 truck trips and an average trip length of 15 miles.

Total VMT = 1,000 trips x 15 miles/trip = 15,000 miles

Total Emissions N_2O = 0.05 (g/mile) [from Table 2-3, 1994 vehicle year example]

x 20,000 miles

x 0.000001 (metric tons per gram)

2.3 Data Requirements – Truck and Worker Commute Vehicles

Miles traveled by fuel type:

Diesel _____ miles

Gasoline _____ miles

2.4 Data Requirements – Tugboats

Main and Auxiliary Engines and Boilers:

Residual Fuel _____ kWh engine/boiler output

Distillate Fuel _____ kWh engine/boiler output

2.5 Emission Factors

Trucks:

EMFAC2007 for CO_2 and CH_4 emission factors (g/mile); shown in Table 2-1

Worker Commute Vehicles:

See Table 2-1. GHG Emission Factors for U.S. Transport Fuels and

Table 2-3. CH4 and N2O Emission Factors for Mobile Sources

Tugboat Main and Auxiliary Engines and Boilers:

Emission factors for CO_2, CH_4, and N_2O were determined using the CARB *Emissions Estimation Methodology for Commercial Harbor Craft Operating in California, Appendix B.*

3 Electricity Usage

3.1 Description

Electrical usage directly related to boat shop operations.

Category Summary:

- Includes on-site electricity consumption.
- Assumes all electricity consumed is provided by the Los Angeles Department of Water and Power (LADWP).

Emission factors for CO, CH_4 and N_2O were obtained from the TCR GRP (Table 14.1).

3.2 Equations

3.2.1 Mass Emissions Estimates

General Equation:

GHGs of Source Category CO_2, CH_4, N_2O

Total Emissions = Emission Factor (lbs GHG/Megawatt-hour [MWh])

x Electricity Used (kWh)

x 0.001MWh per kWh

÷ 2,204.62 lbs/metric ton

Example:

Given: Electricity Usage = 1,000,000 kWh

Total Emissions CO_2 = 724.12 (lbs CO_2/MWh) [from Table E1.3-3]

x 1,000,000 kWh

x 0.001 MWh per kWh

÷ 2,204.62 lbs/metric ton

Total Emissions CO_2 = 328.46 metric tons

3.3 Data Requirements – Electricity Usage

Electricity Usage _____ kilowatt-hours (kWh)

Attachment 1
Global Warming Potentials

Table 1-1 Global Warming Potentials

Greenhouse Gas	Global Warming Potential
CO_2	1
CH_4	21
N_2O	310
SF_6	23,900
HFC-23	11,700
HFC-32	650
HFC-41	150
HFC-43-10mee	1,300
HFC-125	2,800
HFC-134	1,000
HFC-134a	1,300
HFC-143	300
HFC-143a	3,800
HFC-152	43*
HFC-152a	140
HFC-161	12*
HFC-227ea	2,900
HFC-236cb	1,300*
HFC-236ea	1,200*
HFC-236fa	6,300
HFC-245ca	560
HFC-245fa	950*
HFC-365mfc	890*
Perfluoromethane	6,500
Perfluoroethane	9,200
Perfluoropropane	7,000
Perfluorobutane	7,000
Perfluorocyclobutane	8,700
Perfluoropentane	7,500
Perfluorohexane	7,400

Source: Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report published in 1995, unless no value was assigned in the document. In that case, the GWP values are from the IPCC Third Assessment Report published in 2001 (those marked with *). GWP values are from the Second Assessment Report (unless otherwise noted) to be consistent with international practices. Values are 100-year GWP values.

Note: This information is found in Table B.1 of the TCR GRP.

Attachment 2
Emission Factors

Table 2-1. GHG Emission Factors for U.S. Transport Fuels

Fuel	Carbon Content	Emission Factor		
		CO_2	CH_4	N_2O
Gasoline	19.33 kg C/ MMBtu	8.81 kg/gal	0.0172 g/mi[1]	0.0038 g/mi[1]
Diesel Fuel	19.95 kg C/ MMBtu	10.15 kg/gal	0.0051 g/mi[2]	0.0048 g/mi[2]
Residual Fuel Oil (#5,6)	21.49 kg C/ MMBtu	11.80 kg/gal	0.74 g/gal[3]	0.30 g/gal[3]

Source: The Climate Registry, *General Reporting Protocol v.1.1*, May 2008; *GRP Updates and Clarifications*, August 2010

1. Emission factor given for 2008 model-year passenger cars.
2. Emission factor given for heavy-duty vehicles.
3. Emission factor given for ships and boats.
4. Emission factor given for heavy-duty vehicles.

Table 2-2. GHG Indirect Emission Factors for Electricity Consumption

Region	Emission Factor		
	CO2 (lb/MWh)	CH4 (lb/GWh)	N2O (lb/GWh)
CAMX – WECC California	878.71	36.0	8.0

Source: The Climate Registry, *General Reporting Protocol v.1.1*, May 2008; *January 2011 Update* Table 14.1

Table 2-3. CH4 and N2O Emission Factors for Mobile Sources

Vehicle Type and Year	N2O (g/mile)	CH4 (g/mile)
Gasoline Passenger Cars		
Model Years 1984-1993	0.0647	0.0704
Model Year 1994	0.056	0.0531
Model Year 1995	0.0473	0.0358
Model Year 1996	0.0426	0.0272
Model Year 1997	0.0422	0.0268
Model Year 1998	0.0393	0.0249
Model Year 1999	0.0337	0.0216
Model Year 2000	0.0273	0.0178
Model Year 2001	0.0158	0.011
Model Year 2002	0.0153	0.0107
Model Year 2003	0.0135	0.0114
Model Year 2004	0.0083	0.0145
Model Year 2005	0.0079	0.0147

Table 2-3. CH4 and N2O Emission Factors for Mobile Sources

Vehicle Type and Year	N2O (g/mile)	CH4 (g/mile)
Diesel Heavy-Duty Vehicles		
All Model Years	0.0048	0.0051

Source: The Climate Registry, *General Reporting Protocol v.1.1*, May 2008; *GRP Updates and Clarifications*, August 2010

1

Table 2-4. GHG Emission Factors for Marine Vessels

Source	Engine Type	Fuel	Emission Factor		
			CO2 (g/kWh)	CH4 (g/kWh)	N2O (g/kWh)
Harbor Craft	Main	Diesel[1]	486	0.015	0.023
Harbor Craft	Auxiliary	Diesel[1]	486	0.013	0.023
Tugboat	Main	Diesel[1]	486	0.015	0.023
Tugboat	Auxiliary	Diesel[1]	486	0.013	0.023

[1] High speed diesel engines (15ppm sulfur content)

Source: Starcrest, Port of Los Angeles Emissions Inventory, 2009

2

Table 2-5. GHG Emission Factors for Offroad Equipment

Source	Fuel	Emission Factor		
		lbs CO2/gal	lbs CH4/gal	lbs N2O/gal
All Equipment	Diesel	22.33	0.00128	0.00057

3

Attachment 3
GHG Descriptions

Water Vapor (H2O). Overall, the most abundant and dominant greenhouse gas in the atmosphere is water vapor. Water vapor is neither long-lived nor well mixed in the atmosphere, varying spatially from 0 to 2 percent. In addition, atmospheric water can exist in several physical states including gaseous, liquid, and solid. Human activities are not believed to affect directly the average global concentration of water vapor, but, the radiative forcing produced by the increased concentrations of other greenhouse gases may indirectly affect the hydrologic cycle. While a warmer atmosphere has increased water holding capacity, increased concentrations of water vapor affects the formation of clouds, which can both absorb and reflect solar and terrestrial radiation. Aircraft contrails, which consist of water vapor and other aircraft emittants, are similar to clouds in their radiative forcing effects .

Carbon Dioxide (CO_2). In nature, carbon is cycled between various atmospheric, oceanic, land biotic, marine biotic and mineral reservoirs. The largest fluxes occur between the atmosphere and terrestrial biota, and between the atmosphere and surface water of the oceans. In the atmosphere, carbon predominantly exists in its oxidized form as CO2. Atmospheric CO2 is part of this global carbon cycle, and therefore its fate is a complex function of geochemical and biological processes. CO2 concentrations in the atmosphere increased from approximately 280 parts per million by volume (ppmv) in pre-industrial times to 385 ppmv in 2008, a 37.5 percent increase. The IPCC definitively states that “the present atmospheric CO2 increase is caused by anthropogenic emissions of CO2”. The predominant source of anthropogenic CO2 emissions is the combustion of fossil fuels. Forest clearing, other biomass burning, and some non-energy production processes (e.g., cement production) also emit notable quantities of CO2. In it’s fourth assessment, the IPCC stated “most of the observed increase in global average temperatures since the mid-20th century is very likely due to the observed increased in anthropogenic greenhouse gas concentrations,” of which CO2 is the most important.

Methane (CH_4). CH4 is primarily produced through anaerobic decomposition of organic matter in biological systems. Agricultural processes such as wetland rice cultivation, enteric fermentation in animals, and the decomposition of animal wastes emit CH4, as does the decomposition of municipal solid wastes. CH4 is also emitted during the production and distribution of natural gas and petroleum, and is released as a by-product of coal mining and incomplete fossil fuel combustion. Atmospheric concentrations of CH4 have increased by about 143 percent since 1750, from a pre-industrial value of about 722 ppb to 1,741-1,865 ppb in 2007, although the rate of increase has been declining. The IPCC has estimated that slightly more than half of the current CH4 flux to the atmosphere is anthropogenic, from human activities such as agriculture, fossil fuel use, and waste disposal.

CH4 is removed from the atmosphere through a reaction with the hydroxyl radical (OH) and is ultimately converted to CO2. Minor removal processes also include reaction with chlorine in the marine boundary layer, a soil sink, and stratospheric reactions. Increasing emissions of CH4 reduce the concentration of OH, a feedback that may increase the atmospheric lifetime of CH4.

Nitrous Oxide (N_2O). Anthropogenic sources of N2O emissions include agricultural soils, especially production of nitrogen-fixing crops and forages, the use of synthetic and manure fertilizers, and manure deposition by livestock; fossil fuel combustion, especially from mobile combustion; adipic (nylon) and nitric acid production; wastewater treatment and waste incineration; and biomass burning. The atmospheric concentration of N2O has increased by 18 percent since 1750, from a pre-industrial value of about 270 ppb to 321-322 ppb in 2007, a concentration that has not been exceeded during the last thousand years. N2O is primarily removed from the atmosphere by the photolytic action of sunlight in the stratosphere.

Ozone (O_3). Ozone is present in both the upper stratosphere, where it shields the Earth from harmful levels of ultraviolet radiation, and at lower concentrations in the troposphere, where it is the main component of anthropogenic photochemical "smog." During the last two decades, emissions of anthropogenic chlorine and bromine-containing halocarbons, such as CFCs, have depleted stratospheric ozone concentrations. This loss of ozone in the stratosphere has resulted in negative radiative forcing, representing an indirect effect of anthropogenic emissions of chlorine and bromine compounds. The depletion of stratospheric ozone and its radiative forcing was expected to reach a maximum in about 2000 before starting to recover. As of IPCC's fourth assessment,"whether or not recently observed changes in ozone trends are already indicative of recovery of the global ozone layer is not yet clear."

The past increase in tropospheric ozone, which is also a greenhouse gas, is estimated to provide the third largest increase in direct radiative forcing since the pre-industrial era, behind CO2 and CH4. Tropospheric ozone is produced from complex chemical reactions of volatile organic compounds mixing with NOx in the presence of sunlight. The tropospheric concentrations of ozone and these other pollutants are short-lived and, therefore, spatially variable.

Halocarbons, Perfluorocarbons, and Sulfur Hexafluoride. Halocarbons are, for the most part, man-made chemicals that have both direct and indirect radiative forcing effects. Halocarbons that contain chlorine (CFCs, HCFCs, methyl chloroform, and carbon tetrachloride) and bromine (halons, methyl bromide, and hydrobromofluorocarbons [HFCs]) result in stratospheric ozone depletion and are therefore controlled under the Montreal Protocol on Substances that Deplete the Ozone Layer. Although CFCs and HCFCs include potent global warming gases, their net radiative forcing effect on the atmosphere is reduced because they cause stratospheric ozone depletion, which itself is an important greenhouse gas in addition to shielding the Earth from harmful levels of ultraviolet radiation. Under the Montreal Protocol, the United States phased out the production and importation of halons by 1994 and of CFCs by 1996. Under the Copenhagen Amendments to the Protocol, a cap was placed on the production and importation of HCFCs by non-Article 530 countries beginning in 1996, and then followed by a complete phase-out by the year 2030. While ozone depleting gases covered under the Montreal Protocol and its Amendments are not covered by the UNFCCC; they are reported in this inventory under Annex 6.2 of this report for informational purposes.

HFCs, PFCs, and SF6 are not ozone depleting substances, and therefore are not covered under the Montreal Protocol. They are, however, powerful greenhouse gases. HFCs are primarily used as replacements for ozone depleting substances but also emitted as a by-product of the HCFC-22 manufacturing process. Currently, they have a small aggregate radiative forcing impact, but it is anticipated that their contribution to overall radiative forcing will increase. PFCs and SF6 are predominantly emitted from various industrial processes including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. Currently, the radiative forcing impact of PFCs and SF6 is also small, but they have a significant growth rate, extremely long atmospheric lifetimes, and are strong absorbers of infrared radiation, and therefore have the potential to influence climate far into the future.

Aerosols. Aerosols are extremely small particles or liquid droplets found in the atmosphere. They can be produced by natural events such as dust storms and volcanic activity, or by anthropogenic processes such as fuel combustion and biomass burning. Aerosols affect radiative forcing differently than greenhouse gases, and their radiative effects occur through direct and indirect mechanisms: directly by scattering and absorbing solar radiation; and indirectly by increasing droplet counts that modify the formation, precipitation efficiency, and radiative properties of clouds. Aerosols are removed from the atmosphere relatively rapidly by precipitation. Because aerosols generally have short atmospheric lifetimes, and have concentrations and compositions that vary regionally, spatially, and temporally, their contributions to radiative forcing are difficult to quantify.

Source: *USEPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2008*, April 2010

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Draft General Conformity Determination

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Al Larson Boat Shop Improvement Project

Draft General Conformity Applicability Analysis

Section 176 (c) of the Clean Air Act (42 U.S.C. § 7506(c)) requires any entity of the Federal government that engages in, supports, or in any way provides financial support for, licenses or permits, or approves any activity to demonstrate that the action conforms to the applicable State Implementation Plan (SIP) required under Section 110 (a) of the Clean Air Act (42 U.S.C. § 7410(a)) before the action is otherwise approved. In this context, conformity means that such Federal actions must be consistent with a SIP's purpose of eliminating or reducing the severity and number of violations of national ambient air quality standards (NAAQS) and achieving expeditious attainment of those standards. Each Federal agency (including the U.S. Army Corps of Engineers [USACE]) must determine that any action that is proposed by the agency and that is subject to the regulations implementing the conformity requirements will, in fact, conform to the applicable SIP before the action is taken.

The Port of Los Angeles Al Larson Boat Shop Improvement Project (hereinafter the Project) will require the issuance of a USACE permit, pursuant to Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and Section 103 of the Marine Protection, Research, and Sanctuaries Act. This Federal action includes the construction of in-water and over-water structures and the disposal of up to 19,000 cubic yards (cy) of dredge and excavated material associated with the Project; beneficial reuse of clean dredge material by constructing two confined disposal facilities resulting in approximately 0.9 acre of new land; removal of historical sediment and soil contamination; constructing new wharves; and installing two boat hoists. This analysis documents the applicability of the Section 176 (c) requirements of the Clean Air Act to the Federal action.

The U.S. Environmental Protection Agency (EPA) promulgated general conformity regulations at 40 C.F.R. Part 93 Subpart B. The South Coast Air Quality Management District (SCAQMD) adopted the general conformity regulations by reference as part of Rule 1901, and EPA approved this rule as part of the California SIP. In a recent revision to the general conformity regulations, EPA removed the obligation for states to include general conformity requirements in their SIPs.

The general conformity regulations apply to a Federal action in a nonattainment or maintenance area if the total of direct and indirect emissions of the relevant criteria pollutants and precursor pollutants caused by the Federal action equal or exceed certain de minimis rates, thus requiring the Federal agency to make a determination of general conformity. By requiring an analysis of direct and indirect emissions, EPA intended the regulating Federal agency to make sure that only those emissions that are reasonably foreseeable and that the Federal agency can practicably control subject to that agency's continuing program responsibility will be addressed.

The general conformity regulations incorporate a stepwise process, beginning with an applicability analysis. According to EPA guidance (EPA 1994), before any approval is given for

a Federal action to go forward, the regulating Federal agency must apply the applicability requirements found at 40 C.F.R. § 93.153(b) to the Federal action to evaluate whether, on a pollutant-by-pollutant basis, a determination of general conformity is required. The guidance states that the applicability analysis can be (but is not required to be) completed concurrently with any analysis required under the National Environmental Policy Act (NEPA). It should be noted that USACE has made a preliminary determination that this Federal action does not require an environmental impact statement under NEPA. If the regulating Federal agency determines that the general conformity regulations do not apply to the Federal action, no further analysis or documentation is required. If the general conformity regulations do apply to the Federal action, the regulating Federal agency must next conduct a conformity evaluation in accord with the criteria and procedures in the implementing regulations, publish a draft determination of general conformity for public review, and then publish the final determination of general conformity.

Based on the general conformity regulations and the attainment status of the South Coast Air Basin, a Federal action would conform to the SIP if its annual emissions remain below 100 tons of carbon monoxide, 100 tons of fine particulate matter and its precursor compounds, 100 tons of nitrogen dioxide and its precursor compounds, 70 tons of coarse particulate matter, 10 tons of oxides of nitrogen, 10 tons of volatile organic compounds. These de minimis thresholds apply to the total of direct and indirect emissions of the relevant criteria pollutants and precursor pollutants caused by the Federal action (i.e., the net change in emissions attributable to the Federal action).

Table 1 summarizes the maximum annual unmitigated emissions for the Federal action. As one can see, these emissions levels are below the de minimis thresholds noted above for the applicability of general conformity. These emissions are based solely on construction emissions associated with the Federal action. It is the determination of the USACE that any change in future emissions at the Port of Los Angeles following the implementation of the Federal action are not subject to the continuing program responsibility of the USACE and therefore are not required to be addressed in this analysis. Once construction activities in and over the water are completed, the USACE will retain no authority over other construction and operational activities, particularly those occurring in the upland portions of the project area. This finding and approach to the analysis are fully consistent with the general conformity regulations and USACE guidance on this subject (USACE 1994). Therefore, the general conformity regulations do not apply to the Project and a general conformity determination is not required for the pollutants caused by the Project.

Table 1: Maximum Annual Unmitigated Emissions (tons per year)

Construction Phase[a]	CO	ROG	NOx	SOx	PM_{10}	$PM_{2.5}$
Phase 1	2.0	0.5	4.3	<0.1	0.2	0.2
Phase 2	1.9	0.5	4.7	<0.1	0.3	0.2
Phase 3	2.9	0.7	5.4	<0.1	0.4	0.3
Threshold	100	10	10	100[b]	70	100
Exceed Threshold?	No	No	No	No	No	No

Notes:

[a] Construction would occur over a three-year period and it was assumed that each phase of construction would occur during a different year. As a result, each individual phase was compared to the general conformity de minimis threshold to assess applicability.

[b] Although the South Coast Air Basin is designated attainment of the sulfur dioxide (SO_2) national ambient air quality standard, SO_2 is a precursor to $PM_{2.5}$ formation. Since the region is designated nonattainment for $PM_{2.5}$, then the general conformity de minimis threshold for SO_2 applies to this analysis.

Key:

CO = carbon monoxide
NOx = nitrogen oxides
PM_{10} = inhalable particulate matter
$PM_{2.5}$ = fine particulate matter
ROG = reactive organic gases
SOx = sulfur oxides

References

U.S. Army Corps of Engineers. 1994. Memorandum For All Major Subordinate Commanders, and District Commanders, Subject: EPA's Clean Air Act (CAA) General Conformity Rule, from Lester Edelman, Chief Counsel, USACE (CECC-E). April 20.

U.S. Environmental Protection Agency. 1994. General Conformity Guidance: Questions and Answers. July 13. Available online at: http://www.epa.gov/ttn/oarpg/conform/gcgqa_71394.pdf [Accessed on July 29, 2011].

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