APPENDIX 5B

Locations and Details of Worksites for Fugitive Dust Assessment

Location and Details of Worksites for Fugitive Dust Assessment

Parameters for 1 hr and 24 hr TSP Concentration Calculation

Source ID	Source Type	Emission Rate (g/s/sq.m)						Dimension (m)		Coordinates of centroid		Height	Angle
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
1	Area	0.000008981	-	0.000000101	0.000000809	-	-	1170	784	813232	819610	0	-16.0
2	Area	0.000008981	-	0.000000101	0.000000809	-	-	395	140	812345	819417	0	12.0
3	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	195	812102	819394	0	12.0
4	Area	0.000008981	-	0.000000101	0.000000809	-	-	120	410	811903	819167	0	-39.0
5	Area	0.000008981	-	0.000000101	0.000000809	-	-	110	210	811777	818864	0	0.0
6	Area	0.000008981	-	0.000000101	0.000000809	-	-	105	360	811843	818572	0	20.0
7	Area	0.000008981	-	0.000000101	0.000000809	-	-	100	180	811921	818300	0	0.0
8	Area	0.000008981	-	0.000000101	0.000000809	-	-	110	150	811832	818146	0	-30.0
9	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	40	811734	818176	0	18.0
10	Area	0.000008981	-	0.000000101	0.000000809	-	-	95	150	811740	818026	0	-30.0
11	Area	0.000008981	-	0.000000101	0.000000809	-	-	160	160	811618	818087	0	-21.0
12	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	360	811626	817791	0	-16.5
13	Area	0.000008981	-	0.000000101	0.000000809	-	-	85	165	811572	817928	0	-18.0
14	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	70	811097	817093	0	26.0
17	Area	0.000008981	-	0.000000101	0.000000809	-	-	1150	535	816385	819272	0	23.0
18	Area	0.000008981	-	0.000000101	0.000000809	-	-	900	200	817452	819582	0	51.5
19	Area	0.000008981	-	0.000000101	0.000000809	-	-	155	360	814055	820311	0	-1.5
20	Area	0.000008981	-	0.000000101	0.000000809	-	-	140	1090	813903	819577	0	-16.0
21	Area	0.000008981	-	0.000000101	0.000000809	-	-	1170	310	813382	820136	0	-16.0
22	Area	0.000008981	-	0.000000101	0.000000809	-	-	275	20	812028	820003	0	39.0
23	Area	0.000008981	-	0.000000101	0.000000809	-	-	275	20	811815	819828	0	33.0

Source ID	Source Type	Emission Rate (g/s)						Dimension (m)		Coordinates		Height	Width
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
15	Point	-	-	-	-	0.021133333	-	0	0	810801	816956	0	0.0
16	Point	-	-	-	-	0.021133333	-	0	0	810873	816932	0	0.0

Source ID	Source Type	Emission Rate (g/s/m)						Coordinates of starting point		Coordinates of ending point		Height	Width
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
24	Line	0.000269431	-	0.000003032	0.000024258	-	-	811747	820050	811897	819624	0	30
25	Line	0.000404147	-	0.000004548	0.000036387	-	-	811897	819624	812037	819480	0	45
26	Line	0.000116753	-	0.000001314	0.000010512	-	-	811897	819624	811850	819423	0	13
27	Line	0.000152678	-	0.000001718	0.000013746	-	-	811850	819423	811663	819129	0	17
28	Line	0.000377204	-	0.000004245	0.000033961	-	-	811663	819129	811578	818752	0	42
29	Line	0.000431090	-	0.000004852	0.000038813	-	-	811578	818752	811358	818064	0	48

Location and Details of Worksites for Fugitive Dust Assessment

Parameters for annual TSP Concentration Calculation

Source ID	Source Type	Emission Rate (g/s/sq.m)						Dimension (m)		Coordinates of centroid		Height	Angle
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
1	Area	0.000002994	-	0.000000034	0.000000270	-	-	1170	784	813232	819610	0	-16.0
2	Area	0.000002994	-	0.000000034	0.000000270	-	-	395	140	812345	819417	0	12.0
3	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	195	812102	819394	0	12.0
4	Area	0.000002994	-	0.000000034	0.000000270	-	-	120	410	811903	819167	0	-39.0
5	Area	0.000002994	-	0.000000034	0.000000270	-	-	110	210	811777	818864	0	0.0
6	Area	0.000002994	-	0.000000034	0.000000270	-	-	105	360	811843	818572	0	20.0
7	Area	0.000002994	-	0.000000034	0.000000270	-	-	100	180	811921	818300	0	0.0
8	Area	0.000002994	-	0.000000034	0.000000270	-	-	110	150	811832	818146	0	-30.0
9	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	40	811734	818176	0	18.0
10	Area	0.000002994	-	0.000000034	0.000000270	-	-	95	150	811740	818026	0	-30.0
11	Area	0.000002994	-	0.000000034	0.000000270	-	-	160	160	811618	818087	0	-21.0
12	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	360	811626	817791	0	-16.5
13	Area	0.000002994	-	0.000000034	0.000000270	-	-	85	165	811572	817928	0	-18.0
14	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	70	811097	817093	0	26.0
17	Area	0.000002994	-	0.000000034	0.000000270	-	-	1150	535	816385	819272	0	23.0
18	Area	0.000002994	-	0.000000034	0.000000270	-	-	900	200	817452	819582	0	51.5
19	Area	0.000002994	-	0.000000034	0.000000270	-	-	155	360	814055	820311	0	-1.5
20	Area	0.000002994	-	0.000000034	0.000000270	-	-	140	1090	813903	819577	0	-16.0
21	Area	0.000002994	-	0.000000034	0.000000270	-	-	1170	310	813382	820136	0	-16.0
22	Area	0.000002994	-	0.000000034	0.000000270	-	-	275	20	812028	820003	0	39.0
23	Area	0.000002994	-	0.000000034	0.000000270	-	-	275	20	811815	819828	0	33.0

Source ID	Source Type	Emission Rate (g/s)						Dimension (m)		Coordinates		Height	Width
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
15	Point	-	-	-	-	0.021133333	-	0	0	810801	816956	0	0.0
16	Point	-	-	-	-	0.021133333	-	0	0	810873	816932	0	0.0

Source ID	Source Type	Emission Rate (g/s/m)						Coordinates of starting point		Coordinates of ending point		Height	Width
		Heavy Construction		Wind Erosion		Barging Point							
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Y		
24	Line	0.000089810	-	0.000001011	0.000008086	-	-	811747	820050	811897	819624	0	30
25	Line	0.000134716	-	0.000001516	0.000012129	-	-	811897	819624	812037	819480	0	45
26	Line	0.000038918	-	0.000000438	0.000003504	-	-	811897	819624	811850	819423	0	13
27	Line	0.000050893	-	0.000000573	0.000004582	-	-	811850	819423	811663	819129	0	17
28	Line	0.000125735	-	0.000001415	0.000011320	-	-	811663	819129	811578	818752	0	42
29	Line	0.000143697	-	0.000001617	0.000012938	-	-	811578	818752	811358	818064	0	48