

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
07/01/2012	230.00	1.80	21.90	17.40	0.00	17.40	0.00	21.90	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:15:00 AM	220.00	1.50	22.40	17.00	0.00	17.00	0.00	22.40	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:30:00 AM	254.00	1.30	24.40	18.20	0.00	18.20	0.00	24.40	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:45:00 AM	240.00	1.60	25.20	18.50	0.00	18.50	0.00	25.20	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:00:00 AM	243.00	1.50	25.40	19.00	0.00	19.00	0.00	25.40	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:15:00 AM	241.00	1.50	26.30	20.00	0.00	20.00	0.00	26.30	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:30:00 AM	269.00	1.20	27.00	20.10	0.00	20.10	0.00	27.00	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:45:00 AM	278.00	1.30	26.90	0.00	0.00	21.60	0.00	27.70	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:00:00 AM	259.00	1.30	29.60	23.30	0.00	23.30	0.00	29.60	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:15:00 AM	257.00	1.70	32.00	24.20	0.00	24.20	0.00	32.00	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:30:00 AM	230.00	1.60	32.00	24.30	0.00	24.30	0.00	32.00	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:45:00 AM	232.00	1.60	31.20	24.40	0.00	24.40	0.00	31.20	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:00:00 AM	258.00	1.50	30.40	24.30	0.00	24.30	0.00	30.40	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:15:00 AM	251.00	1.20	31.50	25.20	0.00	25.20	0.00	31.50	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:30:00 AM	192.00	0.40	31.70	25.50	0.00	25.50	0.00	31.70	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:45:00 AM	215.00	1.20	31.40	26.60	0.00	26.60	0.00	31.40	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 4:00:00 AM	237.00	0.40	31.60	26.50	0.00	26.50	0.00	31.60	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 4:15:00 AM	224.00	0.90	32.50	26.70	0.00	26.70	0.00	32.50	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 4:30:00 AM	236.00	1.20	32.90	26.70	0.00	26.70	0.00	32.90	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 4:45:00 AM	236.00	1.80	32.60	26.80	0.00	26.80	0.00	32.60	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 5:00:00 AM	234.00	1.30	33.10	27.30	0.00	27.30	0.00	33.10	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 5:15:00 AM	230.00	0.90	33.00	27.80	0.00	27.80	0.00	33.00	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 5:30:00 AM	184.00	1.10	32.20	27.60	0.00	27.60	0.00	32.20	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 5:45:00 AM	208.00	1.70	32.50	27.20	0.00	27.20	0.00	32.50	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 6:00:00 AM	207.00	0.90	32.80	28.10	0.00	28.10	0.00	32.80	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 6:15:00 AM	221.00	1.50	32.90	28.60	0.00	28.60	0.00	32.90	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 6:30:00 AM	227.00	1.90	33.30	29.10	0.00	29.10	0.00	33.30	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 6:45:00 AM	242.00	1.00	33.50	28.90	0.00	28.90	0.00	33.50	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 7:00:00 AM	235.00	1.80	33.30	28.10	0.00	28.10	0.00	33.30	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 7:15:00 AM	322.00	1.10	33.80	0.00	0.00	28.90	0.00	33.80	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 7:30:00 AM	278.00	1.70	32.80	0.00	0.00	28.80	0.00	32.60	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 7:45:00 AM	290.00	1.90	32.20	0.00	0.00	27.60	0.00	30.90	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 8:00:00 AM	245.00	1.60	29.80	26.20	0.00	26.20	0.00	29.80	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 8:15:00 AM	261.00	0.70	27.80	25.10	0.00	25.10	0.00	27.80	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 8:30:00 AM	258.00	0.50	28.60	25.40	0.00	25.40	0.00	28.60	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 8:45:00 AM	183.00	0.90	29.70	26.40	0.00	26.40	0.00	29.70	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 9:00:00 AM	217.00	1.20	32.70	25.20	0.00	25.20	0.00	32.70	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 9:15:00 AM	333.00	0.60	24.20	0.00	0.00	22.00	0.00	30.20	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 9:30:00 AM	347.00	1.90	22.60	0.00	0.00	20.70	0.00	26.80	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 9:45:00 AM	30.00	3.30	22.30	24.30	2.00	22.30	0.00	24.30	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 10:00:00 AM	52.00	2.90	23.10	24.60	1.50	23.10	0.00	24.60	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 10:15:00 AM	9.00	2.20	25.40	25.20	0.00	25.40	0.00	25.20	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 10:30:00 AM	27.00	2.80	26.20	25.00	0.00	26.20	0.00	25.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 10:45:00 AM	42.00	2.50	27.40	25.20	0.00	27.40	0.00	25.20	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 11:00:00 AM	104.00	2.90	0.00	26.30	0.00	31.30	0.00	29.60	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 11:15:00 AM	241.00	0.90	31.20	34.20	3.00	34.20	0.00	31.20	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 11:30:00 AM	29.00	5.60	36.70	34.90	0.00	36.70	0.00	34.90	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 11:45:00 AM	354.00	3.60	30.20	0.00	0.00	40.70	0.00	34.50	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:00:00 PM	0.00	1.20	41.80	35.20	0.00	41.80	0.00	35.20	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:15:00 PM	37.00	0.50	33.10	27.60	0.00	33.10	0.00	27.60	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:30:00 PM	129.00	3.60	0.00	32.10	0.00	40.60	0.00	30.00	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 12:45:00 PM	269.00	3.00	35.00	36.00	1.00	36.00	0.00	35.00	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:00:00 PM	252.00	13.30	36.00	41.20	5.10	41.20	0.00	36.00	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:15:00 PM	8.00	8.10	45.20	34.60	0.00	45.20	0.00	34.60	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:30:00 PM	316.00	1.00	35.70	0.00	0.00	39.00	0.00	36.20	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 1:45:00 PM	222.00	2.80	27.80	32.00	4.10	32.00	0.00	27.80	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:00:00 PM	156.00	2.90	0.00	27.90	0.00	38.60	0.00	22.40	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:15:00 PM	146.00	1.50	0.00	35.70	0.00	36.70	0.00	24.50	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:30:00 PM	153.00	2.40	0.00	20.60	0.00	26.30	0.00	25.60	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 2:45:00 PM	53.00	2.00	25.60	23.70	0.00	25.60	0.00	23.70	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:00:00 PM	60.00	2.60	23.60	22.20	0.00	23.60	0.00	22.20	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:15:00 PM	135.00	3.30	0.00	20.50	0.00	23.90	0.00	23.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:30:00 PM	178.00	2.30	0.00	20.20	0.00	22.60	0.00	22.50	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 3:45:00 PM	128.00	1.00	0.00	24.50	0.00	21.60	0.00	21.50	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/1/2012 4:00:00 PM	145.00	2.80	0.00	26.40	0.00	25.30	0.00	25.60	2									

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/2/2012 12:45:00 AM	159.00	1.00	0.00	25.10	0.00	21.80	0.00	22.90	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:00:00 AM	170.00	1.00	0.00	24.50	0.00	20.50	0.00	22.00	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:15:00 AM	151.00	1.30	0.00	23.00	0.00	20.40	0.00	21.70	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:30:00 AM	152.00	1.90	0.00	23.60	0.00	23.90	0.00	22.60	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:45:00 AM	157.00	1.30	0.00	22.90	0.00	23.00	0.00	21.80	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:00:00 AM	155.00	2.00	0.00	22.80	0.00	22.60	0.00	20.80	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:15:00 AM	174.00	2.10	0.00	23.30	0.00	21.30	0.00	20.40	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:30:00 AM	200.00	1.30	20.40	20.10	0.00	20.10	0.00	20.40	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:45:00 AM	215.00	0.40	20.40	21.70	1.30	21.70	0.00	20.40	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:00:00 AM	202.00	1.30	21.80	19.90	0.00	19.90	0.00	21.80	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:15:00 AM	189.00	1.50	20.80	20.80	0.00	20.80	0.00	20.80	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:30:00 AM	205.00	1.30	22.00	19.30	0.00	19.30	0.00	22.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:45:00 AM	207.00	1.30	24.90	19.40	0.00	19.40	0.00	24.90	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:00:00 AM	211.00	1.10	24.20	19.70	0.00	19.70	0.00	24.20	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:15:00 AM	205.00	1.50	24.50	18.20	0.00	18.20	0.00	24.50	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:30:00 AM	207.00	2.00	26.20	20.20	0.00	20.20	0.00	26.20	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:45:00 AM	208.00	2.50	21.80	26.20	4.40	26.20	0.00	21.80	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 5:00:00 AM	219.00	1.10	22.30	27.20	4.90	27.20	0.00	22.30	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 5:15:00 AM	227.00	0.80	22.00	24.40	2.40	24.40	0.00	22.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 5:30:00 AM	201.00	1.60	22.10	25.00	2.90	25.00	0.00	22.10	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 5:45:00 AM	207.00	1.40	22.20	26.60	4.30	26.60	0.00	22.20	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 6:00:00 AM	214.00	1.10	22.60	25.20	2.60	25.20	0.00	22.60	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 6:15:00 AM	202.00	1.60	23.20	24.70	1.50	24.70	0.00	23.20	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 6:30:00 AM	198.00	0.90	23.80	25.20	1.40	25.20	0.00	23.80	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 6:45:00 AM	178.00	1.00	0.00	22.80	0.00	24.80	0.00	24.00	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 7:00:00 AM	210.00	1.30	24.20	25.40	1.30	25.40	0.00	24.20	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 7:15:00 AM	198.00	1.30	24.20	26.40	2.20	26.40	0.00	24.20	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 7:30:00 AM	185.00	2.30	24.60	25.50	0.90	25.50	0.00	24.60	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 7:45:00 AM	225.00	1.50	24.60	26.10	1.40	26.10	0.00	24.60	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 8:00:00 AM	176.00	1.40	0.00	24.10	0.00	26.60	0.00	24.20	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 8:15:00 AM	135.00	0.50	0.00	24.80	0.00	29.70	0.00	25.10	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 8:30:00 AM	198.00	1.30	26.20	32.50	6.20	32.50	0.00	26.20	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 8:45:00 AM	206.00	2.20	26.60	32.40	5.80	32.40	0.00	26.60	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 9:00:00 AM	186.00	1.80	26.20	28.00	1.80	28.00	0.00	26.20	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 9:15:00 AM	213.00	1.00	26.00	28.50	2.60	28.50	0.00	26.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 9:30:00 AM	338.00	1.10	23.40	0.00	0.00	28.50	0.00	25.70	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 9:45:00 AM	236.00	1.70	24.20	29.80	5.60	29.80	0.00	24.20	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 10:00:00 AM	179.00	1.90	25.20	23.40	0.00	29.50	25.20	24.60	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 10:15:00 AM	220.00	1.30	24.10	29.00	4.90	29.00	25.60	24.10	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 10:30:00 AM	219.00	0.80	23.50	29.10	5.60	29.10	24.00	23.50	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 10:45:00 AM	253.00	0.60	23.10	28.80	5.70	28.80	23.50	23.10	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 11:00:00 AM	189.00	3.40	23.90	28.10	4.20	28.10	22.30	23.90	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 11:15:00 AM	175.00	1.20	21.00	20.30	0.00	27.30	21.00	25.20	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 11:30:00 AM	219.00	2.90	21.40	25.00	3.50	25.00	19.80	21.40	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 11:45:00 AM	218.00	2.30	20.10	24.10	4.00	24.10	21.00	20.10	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 12:00:00 PM	231.00	2.60	18.80	22.00	3.20	22.00	18.10	18.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 12:15:00 PM	179.00	2.70	18.70	16.80	0.00	20.40	18.70	18.10	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 12:30:00 PM	205.00	3.40	17.50	20.90	3.40	20.90	21.10	17.50	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 12:45:00 PM	193.00	4.20	19.00	23.40	4.40	23.40	22.70	19.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:00:00 PM	211.00	2.60	19.70	22.80	3.10	22.80	22.60	19.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:15:00 PM	238.00	2.70	20.10	21.90	1.80	21.90	23.00	20.10	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:30:00 PM	243.00	3.40	21.10	24.20	3.00	24.20	26.00	21.10	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 1:45:00 PM	198.00	1.40	21.70	23.90	2.20	23.90	25.20	21.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:00:00 PM	225.00	3.70	22.40	32.50	10.10	32.50	25.80	22.40	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:15:00 PM	191.00	2.80	23.70	25.60	1.80	25.60	27.10	23.70	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:30:00 PM	187.00	1.50	24.80	26.60	1.90	26.60	27.30	24.80	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 2:45:00 PM	224.00	1.80	28.20	27.50	0.00	27.50	26.50	28.20	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:00:00 PM	222.00	2.00	26.90	29.00	2.10	29.00	25.20	26.90	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:15:00 PM	244.00	4.40	27.60	29.70	2.00	29.70	26.10	27.60	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:30:00 PM	207.00	3.70	27.90	31.40	3.50	31.40	24.70	27.90	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 3:45:00 PM	245.00	4.30	27.90	32.40	4.60	32.40	23.90	27.90	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:00:00 PM	210.00	4.10	27.40	32.90	5.50	32.90	24.90	27.40	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:15:00 PM	206.00	5.00	27.70	33.30	5.60	33.30	27.40	27.70	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:30:00 PM	212.00	4.70	27.80	33.70	5.90	33.70	26.80	27.80	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/2/2012 4:45:00 PM	248.00	3.80	27.90															

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
7/6/2012 3:45:00 AM	209.00	1.20	36.10	45.80	9.70	45.80	40.50	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:00:00 AM	158.00	0.80	39.90	0.00	0.00	45.80	39.90	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:15:00 AM	200.00	0.80	36.10	45.80	9.70	45.80	40.40	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:30:00 AM	233.00	1.50	35.80	45.80	10.00	45.80	40.00	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:45:00 AM	239.00	2.10	36.00	45.80	9.80	45.80	40.60	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:00:00 AM	199.00	1.00	36.60	45.80	9.20	45.80	41.00	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:15:00 AM	237.00	2.20	36.70	45.80	9.10	45.80	41.10	36.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:30:00 AM	217.00	1.50	36.30	45.80	9.50	45.80	41.10	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:45:00 AM	261.00	1.00	35.90	45.80	9.90	45.80	41.20	35.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:00:00 AM	238.00	2.30	36.60	45.80	9.20	45.80	40.90	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:15:00 AM	265.00	1.70	37.20	45.80	8.60	45.80	40.80	37.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:30:00 AM	254.00	1.20	36.70	45.80	9.10	45.80	41.10	36.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:45:00 AM	252.00	2.30	36.30	45.80	9.50	45.80	41.00	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:00:00 AM	268.00	3.10	36.60	45.80	9.20	45.80	41.30	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:15:00 AM	282.00	2.10	0.00	41.80	0.00	45.80	41.80	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:30:00 AM	282.00	2.10	0.00	43.70	0.00	45.80	43.70	38.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:45:00 AM	249.00	2.90	41.90	45.80	3.90	45.80	46.30	41.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 8:00:00 AM	255.00	2.40	43.00	45.80	2.80	45.80	47.40	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 8:15:00 AM	248.00	2.50	40.90	45.80	4.90	45.80	46.30	40.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 8:30:00 AM	253.00	2.40	40.70	45.80	5.10	45.80	45.20	40.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 8:45:00 AM	229.00	1.50	44.50	45.80	1.30	45.80	47.40	44.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 9:00:00 AM	213.00	2.80	45.40	45.80	0.40	45.80	49.40	45.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 9:15:00 AM	196.00	2.60	46.80	45.80	0.00	45.80	52.10	46.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 9:30:00 AM	215.00	1.90	48.50	45.80	0.00	45.80	51.20	48.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 9:45:00 AM	227.00	2.80	49.40	45.80	0.00	45.80	52.80	49.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 10:00:00 AM	291.00	2.50	0.00	48.00	0.00	45.80	48.00	44.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 10:15:00 AM	265.00	4.20	41.80	45.80	4.00	45.80	43.60	41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 10:30:00 AM	244.00	4.90	43.60	45.80	2.20	45.80	47.00	43.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 10:45:00 AM	270.00	3.70	0.00	47.50	0.00	45.80	47.50	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 11:00:00 AM	282.00	3.30	0.00	60.30	0.00	45.80	60.30	45.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 11:15:00 AM	263.00	5.90	45.10	45.80	0.70	45.80	46.60	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 11:30:00 AM	265.00	5.60	48.30	45.80	0.00	45.80	55.70	48.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 11:45:00 AM	260.00	4.70	46.60	45.80	0.00	45.80	47.00	46.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 12:00:00 PM	233.00	3.60	45.10	45.80	0.70	45.80	46.50	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 12:15:00 PM	321.00	4.60	0.00	44.60	0.00	45.80	44.60	44.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 12:30:00 PM	354.00	2.80	0.00	44.10	0.00	45.80	44.10	42.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 12:45:00 PM	23.00	3.20	45.80	45.30	0.00	45.80	75.60	45.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 1:00:00 PM	53.00	2.30	45.80	51.70	5.90	45.80	52.80	51.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 1:15:00 PM	51.00	3.00	45.80	48.80	3.00	45.80	47.90	48.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 1:30:00 PM	44.00	3.40	45.80	50.70	4.90	45.80	48.50	50.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 1:45:00 PM	33.00	2.60	45.80	53.80	8.00	45.80	53.80	53.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 2:00:00 PM	38.00	3.00	45.80	55.40	9.60	45.80	55.10	55.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 2:15:00 PM	41.00	2.30	45.80	59.60	13.80	45.80	54.90	59.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 2:30:00 PM	75.00	1.70	45.80	65.00	19.20	45.80	64.60	65.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 2:45:00 PM	54.00	2.10	45.80	84.00	38.20	45.80	87.80	84.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 3:00:00 PM	124.00	3.00	108.60	0.00	0.00	45.80	108.60	119.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 3:15:00 PM	114.00	3.40	90.30	0.00	0.00	45.80	90.30	94.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 3:30:00 PM	120.00	2.80	100.20	0.00	0.00	45.80	100.20	98.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 3:45:00 PM	89.00	4.70	45.80	72.00	26.20	45.80	63.00	72.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:00:00 PM	110.00	2.60	78.80	0.00	0.00	45.80	78.80	72.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:15:00 PM	123.00	3.10	56.90	0.00	0.00	45.80	56.90	61.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:30:00 PM	80.00	2.70	45.80	67.20	21.40	45.80	70.30	67.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 4:45:00 PM	66.00	3.60	45.80	55.90	10.10	45.80	54.30	55.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:00:00 PM	83.00	2.30	45.80	61.90	16.10	45.80	60.80	61.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:15:00 PM	77.00	3.80	45.80	53.90	8.10	45.80	79.00	53.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:30:00 PM	130.00	3.10	66.40	0.00	0.00	45.80	66.40	105.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 5:45:00 PM	99.00	3.50	56.00	0.00	0.00	45.80	56.00	53.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:00:00 PM	114.00	2.30	55.80	0.00	0.00	45.80	55.80	51.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:15:00 PM	81.00	1.20	45.80	57.40	11.60	45.80	54.70	57.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:30:00 PM	90.00	1.10	54.20	0.00	0.00	45.80	54.20	59.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 6:45:00 PM	140.00	2.60	56.90	0.00	0.00	45.80	56.90	57.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:00:00 PM	90.00	0.60	62.90	0.00	0.00	45.80	62.90	64.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:15:00 PM	149.00	1.00	62.40	0.00	0.00	45.80	62.40	63.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:30:00 PM	168.00	1.20	63.00	0.00	0.00	45.80	63.00	60.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2012 7:45:00 PM	205.00	1.00	70.80	45.80	0.00	45.80	80.00										

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/9/2012 7:00:00 AM	292.00	0.70	0.00	16.30	0.00	45.80	16.30	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:15:00 AM	247.00	1.80	29.20	45.80	16.60	45.80	30.60	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:30:00 AM	224.00	0.90	49.40	45.80	0.00	45.80	31.00	49.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:45:00 AM	209.00	0.90	23.90	45.80	21.90	45.80	30.70	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:00:00 AM	324.00	1.50	0.00	21.20	0.00	45.80	21.20	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:15:00 AM	240.00	1.40	21.40	45.80	24.40	45.80	15.80	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:30:00 AM	341.00	0.60	0.00	16.80	0.00	45.80	16.80	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:45:00 AM	346.00	2.00	0.00	18.40	0.00	45.80	18.40	23.90	0.00	0.00	3.40	3.40	0.00	0.00	3.40	0.00	0.00	0.00
7/9/2012 9:00:00 AM	328.00	0.60	0.00	22.00	0.00	45.80	22.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:15:00 AM	246.00	0.90	17.40	45.80	28.40	45.80	17.50	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:30:00 AM	352.00	0.90	0.00	20.00	0.00	45.80	20.00	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:45:00 AM	273.00	1.10	0.00	23.10	0.00	45.80	23.10	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:00:00 AM	38.00	1.10	45.80	33.10	0.00	45.80	21.20	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:15:00 AM	150.00	0.90	16.20	0.00	0.00	45.80	16.20	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:30:00 AM	137.00	2.90	17.90	0.00	0.00	45.80	17.90	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:45:00 AM	82.00	2.80	45.80	28.40	0.00	45.80	20.50	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 11:00:00 AM	118.00	4.40	29.10	0.00	0.00	45.80	29.10	38.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 11:15:00 AM	139.00	5.60	25.90	0.00	0.00	45.80	25.90	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 11:30:00 AM	65.00	3.10	45.80	46.20	0.40	45.80	44.60	46.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 11:45:00 AM	124.00	2.60	66.80	0.00	0.00	45.80	66.80	59.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 12:00:00 PM	69.00	3.80	45.80	74.10	28.30	45.80	73.20	74.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 12:15:00 PM	71.00	2.50	45.80	89.80	44.00	45.80	81.90	89.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 12:30:00 PM	86.00	3.90	45.80	63.70	17.90	45.80	128.50	63.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 12:45:00 PM	57.00	3.80	45.80	63.00	17.20	45.80	81.40	63.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 1:00:00 PM	97.00	4.30	76.70	0.00	0.00	45.80	76.70	48.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 1:15:00 PM	62.00	4.80	45.80	42.10	0.00	45.80	68.30	42.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 1:30:00 PM	80.00	4.30	45.80	39.40	0.00	45.80	53.00	39.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 1:45:00 PM	41.00	3.70	45.80	48.80	3.00	45.80	61.80	48.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 2:00:00 PM	45.00	3.30	45.80	31.50	0.00	45.80	79.30	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 2:15:00 PM	81.00	2.80	45.80	25.70	0.00	45.80	107.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 2:30:00 PM	26.00	6.20	45.80	40.30	0.00	45.80	86.10	40.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 2:45:00 PM	51.00	6.90	45.80	43.30	0.00	45.80	96.40	43.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 3:00:00 PM	58.00	4.90	45.80	43.00	0.00	45.80	50.40	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 3:15:00 PM	58.00	5.20	45.80	44.90	0.00	45.80	165.80	44.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 3:30:00 PM	47.00	5.30	45.80	47.20	1.40	45.80	89.10	47.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 3:45:00 PM	43.00	6.20	45.80	33.20	0.00	45.80	61.20	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 4:00:00 PM	48.00	6.20	31.00	22.90	0.00	31.00	41.80	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 4:15:00 PM	23.00	5.40	32.20	20.80	0.00	32.20	30.20	20.80	53.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 4:30:00 PM	44.00	6.30	32.40	28.50	0.00	32.40	28.20	28.50	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 4:45:00 PM	20.00	7.00	28.60	29.60	1.00	28.60	31.20	29.60	110.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 5:00:00 PM	30.00	4.60	28.90	28.50	0.00	28.90	31.90	28.50	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 5:15:00 PM	38.00	6.00	27.70	28.30	0.00	27.70	32.20	28.30	38.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 5:30:00 PM	18.00	5.30	26.60	29.90	3.30	26.60	48.00	29.90	39.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 5:45:00 PM	54.00	5.60	24.90	29.00	4.10	24.90	32.30	29.00	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 6:00:00 PM	61.00	5.00	20.50	25.90	5.40	20.50	30.40	25.90	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 6:15:00 PM	48.00	5.50	19.20	21.50	2.30	19.20	53.50	21.50	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 6:30:00 PM	46.00	6.30	18.20	21.20	3.00	18.20	29.20	21.20	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 6:45:00 PM	60.00	4.40	26.50	17.50	0.00	26.50	30.20	17.50	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:00:00 PM	78.00	3.20	14.10	15.60	1.50	14.10	26.80	15.60	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:15:00 PM	60.00	2.50	13.60	16.60	3.00	13.60	31.70	16.60	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:30:00 PM	82.00	2.10	12.20	13.60	1.40	12.20	19.80	13.60	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 7:45:00 PM	84.00	3.80	15.70	17.90	2.20	15.70	27.40	17.90	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:00:00 PM	79.00	2.20	26.60	26.80	0.20	26.60	33.50	26.80	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:15:00 PM	49.00	3.50	41.40	33.60	0.00	41.40	44.50	33.60	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:30:00 PM	53.00	3.80	45.70	34.90	0.00	45.70	33.70	34.90	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 8:45:00 PM	51.00	3.30	37.80	24.80	0.00	37.80	26.00	24.80	49.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:00:00 PM	53.00	3.50	19.20	17.40	0.00	19.20	21.30	17.40	50.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:15:00 PM	50.00	4.60	38.00	27.60	0.00	38.00	24.80	27.60	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:30:00 PM	49.00	5.10	17.30	24.80	7.50	17.30	39.40	24.80	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 9:45:00 PM	47.00	3.50	14.20	18.90	4.70	14.20	35.10	18.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:00:00 PM	50.00	1.50	14.20	18.20	4.00	14.20	35.70	18.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2012 10:15:00 PM	41.00	2.80	14.50	17.70	3.20	14.50	26.20	17.70										

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7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/10/2012 7:45:00 AM	51.00	6.60	14.30	11.30	0.00	14.30	16.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:00:00 AM	50.00	6.10	18.80	11.80	0.00	18.80	13.60	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:15:00 AM	62.00	6.30	17.50	14.90	0.00	17.50	13.70	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:30:00 AM	45.00	7.30	12.40	11.60	0.00	12.40	19.80	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:45:00 AM	59.00	5.90	20.00	15.60	0.00	20.00	15.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:00:00 AM	65.00	3.80	22.20	16.70	0.00	22.20	13.10	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:15:00 AM	34.00	6.00	31.60	12.40	0.00	31.60	22.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:30:00 AM	52.00	5.60	13.40	11.70	0.00	13.40	14.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:45:00 AM	29.00	7.80	14.30	14.80	0.60	14.30	17.50	14.80	0.00	0.00	11.90	11.90	0.00	0.00	11.90	0.00	0.00	
7/10/2012 10:00:00 AM	40.00	6.40	19.50	12.60	0.00	19.50	28.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:15:00 AM	56.00	6.10	17.40	13.30	0.00	17.40	26.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:30:00 AM	48.00	5.80	17.10	12.50	0.00	17.10	24.40	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:45:00 AM	31.00	5.80	16.60	14.40	0.00	16.60	32.10	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:00:00 AM	49.00	3.50	21.10	18.60	0.00	21.10	39.40	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:15:00 AM	25.00	5.20	25.80	16.10	0.00	25.80	25.80	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:30:00 AM	19.00	6.20	18.60	15.90	0.00	18.60	20.90	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:45:00 AM	26.00	6.10	17.30	19.40	2.20	17.30	61.30	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 12:00:00 PM	6.00	6.70	14.20	21.70	7.50	14.20	28.10	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 12:15:00 PM	19.00	6.00	23.60	24.20	0.60	23.60	72.70	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 12:30:00 PM	7.00	7.60	16.40	21.60	5.20	16.40	28.70	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 12:45:00 PM	16.00	7.70	13.30	19.90	6.60	13.30	27.30	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 1:00:00 PM	19.00	6.60	20.10	21.30	1.20	20.10	40.10	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 1:15:00 PM	47.00	8.20	21.10	17.50	0.00	21.10	21.70	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 1:30:00 PM	46.00	4.70	18.00	14.90	0.00	18.00	25.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 1:45:00 PM	48.00	7.20	16.10	17.80	1.70	16.10	25.20	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 2:00:00 PM	16.00	7.00	15.70	29.90	14.20	15.70	18.50	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 2:15:00 PM	26.00	6.70	11.60	16.40	4.90	11.60	15.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 2:30:00 PM	12.00	8.50	13.80	18.50	4.70	13.80	14.90	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 2:45:00 PM	19.00	6.30	16.20	15.20	0.00	16.20	18.80	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 3:00:00 PM	33.00	9.60	40.30	35.80	0.00	40.30	50.40	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 3:15:00 PM	17.00	6.10	21.30	15.20	0.00	21.30	374.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 3:30:00 PM	31.00	9.90	23.30	15.20	0.00	23.30	36.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 3:45:00 PM	6.00	8.80	23.20	15.40	0.00	23.20	16.30	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 4:00:00 PM	19.00	9.40	27.80	15.70	0.00	27.80	92.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 4:15:00 PM	26.00	7.50	21.70	16.70	0.00	21.70	17.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 4:30:00 PM	28.00	7.30	24.70	13.10	0.00	24.70	21.10	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 4:45:00 PM	18.00	9.80	21.30	14.20	0.00	21.30	18.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 5:00:00 PM	19.00	5.30	16.30	13.30	0.00	16.30	22.40	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 5:15:00 PM	11.00	6.20	16.80	13.80	0.00	16.80	16.30	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 5:30:00 PM	27.00	8.10	24.40	11.40	0.00	24.40	20.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 5:45:00 PM	13.00	8.10	13.10	10.40	0.00	13.10	15.30	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 6:00:00 PM	10.00	9.00	17.90	13.20	0.00	17.90	21.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 6:15:00 PM	34.00	6.60	16.70	11.30	0.00	16.70	17.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 6:30:00 PM	24.00	7.50	15.80	11.20	0.00	15.80	16.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 6:45:00 PM	28.00	3.80	12.00	9.80	0.00	12.00	36.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 7:00:00 PM	31.00	6.70	9.50	9.10	0.00	9.50	10.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 7:15:00 PM	20.00	5.80	10.90	8.80	0.00	10.90	10.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 7:30:00 PM	17.00	6.70	9.00	8.50	0.00	9.00	14.10	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 7:45:00 PM	42.00	4.10	8.30	12.40	4.10	8.30	10.90	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:00:00 PM	30.00	7.80	7.10	11.70	4.60	7.10	13.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:15:00 PM	37.00	6.90	7.50	11.90	4.40	7.50	10.60	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:30:00 PM	38.00	6.20	6.90	14.20	7.30	6.90	10.60	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 8:45:00 PM	28.00	7.70	7.20	12.80	5.50	7.20	9.30	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:00:00 PM	39.00	4.50	6.50	13.60	7.00	6.50	10.90	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:15:00 PM	34.00	4.90	5.90	11.80	5.80	5.90	12.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:30:00 PM	53.00	4.20	5.80	9.00	3.30	5.80	11.30	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 9:45:00 PM	47.00	4.80	5.30	9.80	4.50	5.30	9.70	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:00:00 PM	41.00	5.10	5.70	16.10	10.40	5.70	7.70	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:15:00 PM	50.00	3.90	5.70	9.40	3.70	5.70	8.10	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:30:00 PM	55.00	4.00	6.00	10.30	4.30	6.00	30.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 10:45:00 PM	37.00	4.60	5.20	8.30	3.10	5.20	13.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:00:00 PM	37.00	3.20	4.40	6.70	2.30	4.40	8.50	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:15:00 PM	50.00	3.40	4.70	6.20	1.50	4.70	10.90	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:30:00 PM	42.00	3.50	10.10	7.40	0.00	10.10	12.70	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/10/2012 11:45:00 PM	45.00	2.80	5.80	6.00	0.20	5.80	11.30	6.00	0.00	0.00	0.							

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
7/14/2012 10:45:00 AM	108.00	0.60	59.60	0.00	0.00	44.80	59.60	54.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:00:00 AM	348.00	1.60	0.00	47.10	0.00	40.30	47.10	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:15:00 AM	60.00	1.80	38.20	36.50	0.00	38.20	47.10	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:30:00 AM	118.00	3.90	39.10	0.00	0.00	40.20	39.10	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:45:00 AM	106.00	2.70	33.40	0.00	0.00	29.00	33.40	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 12:00:00 PM	114.00	4.00	27.60	0.00	0.00	24.60	27.60	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 12:15:00 PM	120.00	4.60	26.40	0.00	0.00	28.20	26.40	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 12:30:00 PM	131.00	3.80	33.90	0.00	0.00	41.20	33.90	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 12:45:00 PM	75.00	4.50	60.00	54.10	0.00	60.00	71.50	54.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 1:00:00 PM	85.00	2.60	44.70	44.90	0.20	44.70	51.10	44.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 1:15:00 PM	61.00	3.50	46.00	46.90	0.90	46.00	53.30	46.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 1:30:00 PM	24.00	3.40	36.80	40.10	3.30	36.80	47.20	40.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 1:45:00 PM	38.00	3.30	39.10	36.50	0.00	39.10	43.90	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 2:00:00 PM	43.00	4.10	46.40	38.80	0.00	46.40	46.40	38.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 2:15:00 PM	50.00	3.50	51.80	44.60	0.00	51.80	49.50	44.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 2:30:00 PM	35.00	6.00	46.40	48.00	1.50	46.40	55.20	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 2:45:00 PM	45.00	3.70	48.80	45.60	0.00	48.80	73.40	45.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 3:00:00 PM	46.00	5.40	51.10	53.40	2.40	51.10	59.80	53.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 3:15:00 PM	23.00	3.20	27.90	27.90	0.00	27.90	24.40	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 3:30:00 PM	44.00	4.90	29.00	25.80	0.00	29.00	32.60	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 3:45:00 PM	348.00	3.70	0.00	22.80	0.00	22.60	22.80	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 4:00:00 PM	0.00	3.30	22.70	22.90	0.20	22.70	31.30	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 4:15:00 PM	5.00	4.90	24.20	24.80	0.60	24.20	27.40	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 4:30:00 PM	2.00	1.90	22.20	25.20	2.90	22.20	27.90	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 4:45:00 PM	265.00	3.90	19.60	17.60	0.00	17.60	21.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 5:00:00 PM	301.00	1.30	0.00	18.50	0.00	15.80	18.50	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 5:15:00 PM	164.00	1.60	19.30	0.00	0.00	18.00	19.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 5:30:00 PM	162.00	2.20	25.90	0.00	0.00	21.30	25.90	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 5:45:00 PM	154.00	2.80	34.90	0.00	0.00	24.80	34.90	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 6:00:00 PM	194.00	1.80	32.00	19.30	1.40	33.30	33.90	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 6:15:00 PM	179.00	3.30	28.20	0.00	0.00	29.50	28.20	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 6:30:00 PM	230.00	1.20	28.20	28.60	0.40	28.60	30.20	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 6:45:00 PM	103.00	0.60	18.80	0.00	0.00	23.40	18.80	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 7:00:00 PM	182.00	2.50	0.00	13.60	0.00	13.60	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 7:15:00 PM	170.00	2.20	12.20	0.00	0.00	10.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 7:30:00 PM	193.00	2.00	0.00	7.30	0.00	7.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 7:45:00 PM	180.00	2.80	0.00	6.40	0.00	6.40	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 8:00:00 PM	202.00	1.90	0.00	6.40	0.00	6.40	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 8:15:00 PM	202.00	3.40	0.00	5.90	0.00	5.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 8:30:00 PM	179.00	2.00	7.50	0.00	0.00	5.90	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 8:45:00 PM	190.00	3.00	0.00	5.90	0.00	5.90	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 9:00:00 PM	219.00	2.90	0.00	6.00	0.00	6.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 9:15:00 PM	192.00	3.00	0.00	6.20	0.00	6.20	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 9:30:00 PM	199.00	3.30	0.00	6.20	0.00	6.20	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 9:45:00 PM	205.00	3.30	0.00	5.90	0.00	5.90	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 10:00:00 PM	216.00	3.00	0.00	5.70	0.00	5.70	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 10:15:00 PM	204.00	3.30	0.00	5.40	0.00	5.40	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 10:30:00 PM	199.00	3.70	0.00	5.00	0.00	5.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 10:45:00 PM	214.00	3.80	0.00	5.00	0.00	5.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:00:00 PM	198.00	3.40	0.00	5.30	0.00	5.30	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:15:00 PM	232.00	2.60	0.00	5.90	0.00	5.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:30:00 PM	215.00	2.60	0.00	5.90	0.00	5.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2012 11:45:00 PM	215.00	2.20	0.00	6.00	0.00	6.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/15/2012	174.00	1.70	7.90	0.00	0.00	6.20	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 12:15:00 AM	214.00	2.00	0.00	6.40	0.00	6.40	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 12:30:00 AM	204.00	2.50	0.00	7.10	0.00	7.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 12:45:00 AM	204.00	2.30	0.00	7.00	0.00	7.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 1:00:00 AM	191.00	2.30	0.00	6.80	0.00	6.80	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 1:15:00 AM	202.00	3.00	0.00	7.10	0.00	7.10	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 1:30:00 AM	207.00	2.20	0.00	7.10	0.00	7.10	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 1:45:00 AM	202.00	3.40	0.00	7.00	0.00	7.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 2:00:00 AM	199.00	1.80	0.00	6.80	0.00	6.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 2:15:00 AM	202.00	2.40	0.00	7.40	0.00	7.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 2:30:00 AM	198.00	2.80	0.00	7.40	0.00	7.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 2:45:00 AM	215.00	2.50	0.00	8.50	0.00	8.50	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 3:00:00 AM	210.00	2.00	0.00	11.50	0.00	11.50	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 3:15:00 AM	215.00	1.90	0.00	11.60	0.00	11.60	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 3:30:00 AM	192.00	2.20	0.00	11.90	0.00	11.90	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2012 3:45:00 AM	213.00	1.90	0.00	11.30												

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/15/2012 11:30:00 AM	253.00	2.70	0.00	22.40	0.00	22.40	15.90	0.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 11:45:00 AM	275.00	2.90	16.80	17.10	0.30	22.20	17.10	0.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 12:00:00 PM	339.00	2.20	16.60	18.70	2.10	22.50	18.70	0.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 12:15:00 PM	273.00	1.40	17.80	19.50	1.70	22.50	19.50	0.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 12:30:00 PM	317.00	2.30	17.70	19.60	1.90	22.70	19.60	0.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 12:45:00 PM	149.00	1.90	19.10	17.60	0.00	22.30	19.10	0.00	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 1:00:00 PM	209.00	2.20	0.00	22.30	0.00	22.30	19.80	0.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 1:15:00 PM	243.00	4.50	0.00	22.40	0.00	22.40	20.80	0.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 1:30:00 PM	305.00	1.60	19.10	21.50	2.40	22.60	21.50	0.00	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 1:45:00 PM	323.00	2.80	19.80	22.00	2.20	23.90	22.00	0.00	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 2:00:00 PM	45.00	3.60	23.10	0.00	0.00	23.10	21.80	0.00	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 2:15:00 PM	13.00	2.90	22.00	0.00	0.00	22.00	19.90	0.00	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 2:30:00 PM	68.00	3.50	23.40	0.00	0.00	23.40	21.00	0.00	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 2:45:00 PM	2.00	2.40	27.70	0.00	0.00	27.70	21.50	0.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 3:00:00 PM	59.00	2.90	39.10	0.00	0.00	39.10	27.00	0.00	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 3:15:00 PM	131.00	4.30	28.30	31.50	3.20	33.20	28.30	0.00	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 3:30:00 PM	126.00	4.70	26.00	34.50	8.40	42.70	26.00	0.00	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 3:45:00 PM	119.00	5.40	26.80	37.80	11.00	43.40	26.80	0.00	37.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 4:00:00 PM	98.00	2.00	29.20	0.00	1.70	34.70	29.20	0.00	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 4:15:00 PM	82.00	4.10	41.10	0.00	0.00	41.10	33.50	0.00	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 4:30:00 PM	89.00	4.10	29.80	0.00	0.00	29.80	26.80	0.00	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 4:45:00 PM	86.00	4.20	38.00	0.00	0.00	38.00	27.80	0.00	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 5:00:00 PM	93.00	3.20	25.30	34.20	8.90	43.10	25.30	0.00	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 5:15:00 PM	87.00	4.40	38.90	0.00	0.00	38.90	22.00	0.00	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 5:30:00 PM	85.00	3.50	41.80	0.00	0.00	41.80	22.30	0.00	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 5:45:00 PM	128.00	5.50	16.90	31.90	15.00	33.70	16.90	0.00	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 6:00:00 PM	93.00	3.20	15.30	26.20	11.00	28.20	15.30	0.00	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 6:15:00 PM	80.00	3.20	32.80	0.00	0.00	32.80	18.20	0.00	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 6:30:00 PM	105.00	1.50	15.90	24.30	8.50	27.10	15.90	0.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 6:45:00 PM	115.00	2.60	17.30	29.90	12.60	30.70	17.30	0.00	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 7:00:00 PM	103.00	2.60	16.80	20.20	3.40	19.50	16.80	0.00	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 7:15:00 PM	68.00	2.60	18.30	0.00	0.00	18.30	16.90	0.00	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 7:30:00 PM	81.00	2.20	17.00	0.00	0.00	17.00	18.60	0.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 7:45:00 PM	82.00	3.00	16.90	0.00	0.00	16.90	19.10	0.00	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 8:00:00 PM	106.00	1.50	21.50	16.10	0.00	17.20	21.50	0.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 8:15:00 PM	113.00	2.30	19.90	15.90	0.00	17.50	19.90	0.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 8:30:00 PM	102.00	1.80	19.70	16.40	0.00	17.60	19.70	0.00	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 8:45:00 PM	134.00	2.50	20.30	15.60	0.00	15.80	20.30	0.00	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 9:00:00 PM	131.00	2.90	18.90	16.00	0.00	17.90	18.90	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 9:15:00 PM	137.00	2.30	19.50	15.80	0.00	16.40	19.50	0.00	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 9:30:00 PM	143.00	1.50	17.90	15.40	0.00	15.60	17.90	0.00	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 9:45:00 PM	174.00	1.00	16.70	15.10	0.00	15.60	16.70	0.00	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 10:00:00 PM	111.00	1.60	15.90	15.90	0.00	15.90	15.90	0.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 10:15:00 PM	108.00	0.90	18.50	15.50	0.00	16.20	18.50	0.00	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 10:30:00 PM	114.00	0.80	19.10	19.20	0.10	20.40	19.10	0.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 10:45:00 PM	193.00	0.50	0.00	24.50	0.00	24.50	18.20	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 11:00:00 PM	206.00	0.70	0.00	25.80	0.00	25.80	17.70	0.00	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 11:15:00 PM	177.00	0.70	19.80	26.90	7.10	24.00	19.80	0.00	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 11:30:00 PM	154.00	0.40	21.10	26.60	5.50	28.50	21.10	0.00	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/15/2012 11:45:00 PM	196.00	0.30	0.00	31.90	0.00	31.90	22.80	0.00	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/16/2012	240.00	0.40	0.00	33.40	0.00	33.40	23.20	0.00	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 12:15:00 AM	260.00	0.90	0.00	34.10	0.00	34.10	24.30	0.00	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 12:30:00 AM	232.00	0.60	0.00	35.10	0.00	35.10	26.10	0.00	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 12:45:00 AM	202.00	0.80	0.00	36.60	0.00	36.60	29.40	0.00	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 1:00:00 AM	236.00	0.70	0.00	38.20	0.00	38.20	27.00	0.00	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 1:15:00 AM	211.00	0.70	0.00	37.80	0.00	37.80	28.10	0.00	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 1:30:00 AM	214.00	0.40	0.00	38.90	0.00	38.90	29.30	0.00	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 1:45:00 AM	178.00	0.70	30.90	35.70	4.80	38.70	30.90	0.00	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 2:00:00 AM	191.00	0.30	0.00	39.90	0.00	39.90	31.90	0.00	37.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 2:15:00 AM	184.00	1.20	0.00	39.80	0.00	39.80	31.80	0.00	35.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 2:30:00 AM	209.00	1.10	0.00	40.90	0.00	40.90	32.00	0.00	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 2:45:00 AM	223.00	1.30	0.00	47.50	0.00	47.50	35.10	0.00	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 3:00:00 AM	213.00	0.90	0.00	50.80	0.00	50.80	37.10	0.00	41.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 3:15:00 AM	223.00	1.10	0.00	48.90	0.00	48.90	39.10	0.00	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/16/2012 3:30:00 AM	195.00	0.90	0.00	50														

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
7/16/2012 12:15:00 PM	239.00	2.80	0.00	22.50	0.00	22.50	23.00	0.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 12:30:00 PM	322.00	2.90	20.70	24.00	3.30	21.90	24.00	0.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 12:45:00 PM	252.00	5.80	0.00	23.00	0.00	23.00	27.90	0.00	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 1:00:00 PM	269.00	4.70	0.00	23.60	0.00	23.60	25.30	0.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 1:15:00 PM	243.00	5.70	0.00	23.10	0.00	23.10	23.90	0.00	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 1:30:00 PM	252.00	4.00	0.00	44.60	0.00	44.60	24.10	0.00	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 1:45:00 PM	199.00	5.50	0.00	25.90	0.00	25.90	24.00	0.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 2:00:00 PM	248.00	3.20	0.00	31.70	0.00	31.70	23.80	0.00	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 2:15:00 PM	247.00	4.80	0.00	26.30	0.00	26.30	23.40	0.00	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 2:30:00 PM	214.00	4.30	0.00	24.70	0.00	24.70	22.10	0.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 2:45:00 PM	218.00	7.30	0.00	24.20	0.00	24.20	21.20	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 3:00:00 PM	236.00	7.10	0.00	22.20	0.00	22.20	20.80	0.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 3:15:00 PM	247.00	5.80	0.00	20.70	0.00	20.70	19.00	0.00	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 3:30:00 PM	248.00	4.30	0.00	20.00	0.00	20.00	18.40	0.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 3:45:00 PM	226.00	3.60	0.00	19.00	0.00	19.00	17.70	0.00	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 4:00:00 PM	258.00	6.30	0.00	18.10	0.00	18.10	16.90	0.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 4:15:00 PM	221.00	6.80	0.00	16.40	0.00	16.40	16.10	0.00	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 4:30:00 PM	199.00	5.70	0.00	15.90	0.00	15.90	14.90	0.00	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 4:45:00 PM	214.00	5.80	0.00	15.50	0.00	15.50	14.30	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 5:00:00 PM	213.00	6.10	0.00	14.80	0.00	14.80	13.80	0.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 5:15:00 PM	246.00	6.80	0.00	14.30	0.00	14.30	13.10	0.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 5:30:00 PM	220.00	6.20	0.00	14.70	0.00	14.70	14.30	0.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 5:45:00 PM	243.00	6.00	0.00	14.60	0.00	14.60	13.60	0.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 6:00:00 PM	206.00	4.10	0.00	14.40	0.00	14.40	16.60	0.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 6:15:00 PM	225.00	5.60	0.00	19.10	0.00	19.10	14.20	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 6:30:00 PM	207.00	5.40	0.00	13.70	0.00	13.70	13.90	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 6:45:00 PM	233.00	5.60	0.00	12.70	0.00	12.70	13.80	0.00	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 7:00:00 PM	209.00	4.70	0.00	12.60	0.00	12.60	13.60	0.00	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 7:15:00 PM	232.00	2.90	0.00	12.10	0.00	12.10	13.50	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 7:30:00 PM	212.00	3.80	0.00	11.80	0.00	11.80	13.00	0.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 7:45:00 PM	222.00	4.40	0.00	10.80	0.00	10.80	11.00	0.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 8:00:00 PM	217.00	4.60	0.00	9.80	0.00	9.80	11.00	0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 8:15:00 PM	218.00	2.50	0.00	9.80	0.00	9.80	10.30	0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 8:30:00 PM	223.00	3.20	0.00	9.50	0.00	9.50	10.90	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 8:45:00 PM	221.00	3.30	0.00	9.00	0.00	9.00	11.90	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 9:00:00 PM	229.00	2.70	0.00	9.40	0.00	9.40	13.60	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 9:15:00 PM	208.00	3.40	0.00	9.50	0.00	9.50	15.90	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 9:30:00 PM	225.00	3.50	0.00	9.30	0.00	9.30	17.80	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 9:45:00 PM	244.00	3.30	0.00	9.60	0.00	9.60	18.10	0.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 10:00:00 PM	219.00	1.80	0.00	9.80	0.00	9.80	17.80	0.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 10:15:00 PM	231.00	2.30	0.00	10.20	0.00	10.20	17.00	0.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 10:30:00 PM	238.00	1.80	0.00	10.30	0.00	10.30	16.10	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 10:45:00 PM	0.00	0.00	0.00	0.00	0.00	13.80	14.90	0.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 11:00:00 PM	0.00	0.00	0.00	0.00	0.00	9.90	14.00	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 11:15:00 PM	305.00	2.50	10.30	14.20	3.90	9.30	14.20	0.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 11:30:00 PM	215.00	2.80	0.00	9.30	0.00	9.30	14.10	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2012 11:45:00 PM	208.00	3.00	0.00	8.80	0.00	8.80	14.40	0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/17/2012	0.00	0.00	0.00	0.00	0.00	9.20	15.20	0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 12:15:00 AM	270.00	1.50	9.10	14.70	5.60	9.20	14.70	0.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 12:30:00 AM	231.00	2.50	0.00	9.70	0.00	9.70	15.30	0.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 12:45:00 AM	236.00	2.30	0.00	10.30	0.00	10.30	15.90	0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:00:00 AM	219.00	2.90	0.00	9.80	0.00	9.80	16.10	0.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:15:00 AM	211.00	2.30	0.00	9.50	0.00	9.50	16.10	0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:30:00 AM	236.00	2.60	0.00	9.00	0.00	9.00	15.10	0.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:45:00 AM	240.00	3.30	0.00	9.70	0.00	9.70	14.30	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:00:00 AM	0.00	0.00	0.00	0.00	0.00	10.60	12.50	0.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:15:00 AM	0.00	0.00	0.00	0.00	0.00	12.30	12.90	0.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:30:00 AM	204.00	2.50	0.00	14.20	0.00	14.20	13.70	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:45:00 AM	210.00	2.40	0.00	15.90	0.00	15.90	14.30	0.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:00:00 AM	217.00	2.40	0.00	15.70	0.00	15.70	12.60	0.00	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:15:00 AM	216.00	2.50	0.00	11.40	0.00	11.40	12.50	0.00	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:30:00 AM	209.00	2.30	0.00	11.20	0.00	11.20	13.90	0.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:45:00 AM	223.00	2.50	0.00	10.30	0.00	10.30	14.10	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:00:00 AM	221.00	1.70	0.00	10.80	0.00	10.80	15.60	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:15:00 AM	221.00	2.70	0.00	11.40	0.00	11.40	15.70	0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:30:00 AM	226.00	3.10	0.00	10.60	0.00	10.60	15.20	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:45:00 AM	214.00	3.00	0.00	10.80	0.00	10.80	14.20	0.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 5:00:00 AM	215.00	2.50	0.00	15.60	0.00	15.60	13.50	0.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
7/17/2012 1:00:00 PM	253.00	5.80	0.00	34.50	0.00	34.50	40.80	0.00	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:15:00 PM	255.00	4.00	0.00	33.20	0.00	33.20	44.70	0.00	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:30:00 PM	254.00	4.70	0.00	35.20	0.00	35.20	38.70	0.00	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 1:45:00 PM	253.00	4.60	0.00	34.60	0.00	34.60	73.50	0.00	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:00:00 PM	282.00	6.30	35.50	36.00	0.50	36.50	36.00	0.00	35.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:15:00 PM	272.00	4.40	63.20	35.30	0.00	38.30	35.30	0.00	63.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:30:00 PM	251.00	7.70	33.10	38.30	5.20	38.30	37.60	33.10	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 2:45:00 PM	253.00	4.40	32.00	41.00	9.00	41.00	49.20	32.00	42.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:00:00 PM	282.00	3.50	33.80	36.10	2.40	35.30	36.10	30.30	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:15:00 PM	259.00	6.10	31.50	36.30	4.80	36.30	38.40	31.50	38.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:30:00 PM	272.00	5.60	34.10	39.50	5.40	33.90	39.50	31.30	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 3:45:00 PM	228.00	7.90	34.30	33.90	0.00	33.90	43.60	34.30	36.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:00:00 PM	264.00	7.30	32.20	32.90	0.70	32.90	49.00	32.20	35.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:15:00 PM	257.00	4.80	34.20	33.40	0.00	33.40	45.10	34.20	41.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:30:00 PM	328.00	3.50	35.60	48.30	12.70	32.30	48.30	36.80	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 4:45:00 PM	270.00	6.30	35.20	37.50	2.40	32.00	37.50	33.10	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 5:00:00 PM	242.00	5.50	32.30	31.60	0.00	31.60	37.30	32.30	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 5:15:00 PM	254.00	5.30	31.70	31.10	0.00	31.10	36.00	31.70	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 5:30:00 PM	290.00	4.30	29.30	35.30	6.00	30.30	35.30	29.00	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 5:45:00 PM	273.00	6.30	29.10	34.30	5.20	31.30	34.30	27.60	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 6:00:00 PM	276.00	5.20	26.80	33.20	6.40	29.10	33.20	26.10	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 6:15:00 PM	292.00	7.00	24.70	28.80	4.10	28.30	28.80	25.10	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 6:30:00 PM	286.00	4.60	25.10	28.50	3.40	30.10	28.50	26.70	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 6:45:00 PM	273.00	4.10	25.40	26.30	0.80	30.00	26.30	25.00	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 7:00:00 PM	276.00	4.80	33.00	26.40	0.00	33.60	26.40	25.90	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 7:15:00 PM	276.00	4.50	24.30	27.10	2.80	27.50	27.10	25.70	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 7:30:00 PM	296.00	4.70	22.40	25.10	2.70	24.30	25.10	25.30	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 7:45:00 PM	271.00	3.30	21.70	22.40	0.70	23.00	22.40	25.90	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 8:00:00 PM	284.00	3.50	21.30	23.60	2.30	22.20	23.60	25.10	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 8:15:00 PM	270.00	4.00	20.20	22.60	2.40	21.00	22.60	23.50	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 8:30:00 PM	267.00	4.50	23.10	21.40	0.00	21.40	23.60	23.10	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 8:45:00 PM	285.00	2.60	17.90	23.00	5.10	19.70	23.00	20.40	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 9:00:00 PM	277.00	2.70	18.10	22.00	3.90	19.80	22.00	18.50	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 9:15:00 PM	243.00	1.70	16.90	19.60	2.70	19.60	21.90	16.90	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 9:30:00 PM	257.00	1.70	16.40	19.20	2.80	19.20	21.50	16.40	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 9:45:00 PM	221.00	1.30	16.40	19.90	3.40	19.90	22.70	16.40	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 10:00:00 PM	216.00	1.40	16.20	20.00	3.80	20.00	21.50	16.20	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 10:15:00 PM	217.00	1.80	16.10	20.90	4.90	20.90	21.60	16.10	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 10:30:00 PM	213.00	1.70	16.80	19.50	2.70	19.50	20.20	16.80	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 10:45:00 PM	217.00	1.30	16.10	19.90	3.80	19.90	19.30	16.10	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 11:00:00 PM	215.00	1.50	15.70	18.90	3.20	18.90	18.20	15.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 11:15:00 PM	220.00	1.70	15.00	18.50	3.50	18.50	17.30	15.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 11:30:00 PM	211.00	0.90	14.90	20.30	5.40	20.30	17.70	14.90	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2012 11:45:00 PM	203.00	1.20	15.20	22.30	7.10	22.30	19.00	15.20	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/18/2012	228.00	1.30	15.70	23.60	7.80	23.60	19.60	15.70	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 12:15:00 AM	217.00	0.20	16.40	22.90	6.40	22.90	20.90	16.40	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 12:30:00 AM	208.00	1.50	16.90	23.10	6.20	23.10	22.40	16.90	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 12:45:00 AM	285.00	1.10	21.00	24.20	3.30	23.70	24.20	17.50	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 1:00:00 AM	0.00	0.00	0.00	0.00	0.00	24.80	24.90	17.80	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 1:15:00 AM	0.00	0.00	0.00	0.00	0.00	25.10	25.90	17.80	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 1:30:00 AM	0.00	0.00	0.00	0.00	0.00	25.50	24.90	18.20	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 1:45:00 AM	0.00	0.00	0.00	0.00	0.00	25.30	22.20	17.90	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 2:00:00 AM	337.00	1.70	21.80	20.90	0.00	24.30	20.90	18.30	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 2:15:00 AM	0.00	0.00	0.00	0.00	0.00	23.90	20.40	19.40	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 2:30:00 AM	0.00	0.00	0.00	0.00	0.00	25.10	19.40	19.20	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 2:45:00 AM	0.00	0.00	0.00	0.00	0.00	29.60	21.10	21.60	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 3:00:00 AM	14.00	2.00	30.50	22.10	0.00	30.50	22.20	22.10	28.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 3:15:00 AM	0.00	0.00	0.00	0.00	0.00	29.70	23.60	21.20	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 3:30:00 AM	0.00	0.00	0.00	0.00	0.00	29.30	24.70	21.80	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 3:45:00 AM	16.00	7.40	31.80	23.80	0.00	31.80	25.40	23.80	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 4:00:00 AM	4.00	5.60	31.00	24.30	0.00	31.00	26.40	24.30	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 4:15:00 AM	3.00	3.60	21.40	20.00	0.00	21.40	20.50	20.00	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 4:30:00 AM	11.00	3.80	14.40	13.60	0.00	14.40	13.30	13.60	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 4:45:00 AM	8.00	3.40	12.70	11.00	0.00	12.70	12.80	11.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 5:00:00 AM	36.00	1.30	12.70	9.20	0.00	12.70	11.00	9.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 5:15:00 AM	0.00	2.30	16.30	9.60	0.00	16.30	11.20	9.60	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 5:30:00 AM	18.00	2.00	18.50	9.40	0.00	18.50	11.00	9.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2012 5:45:00 AM	338.00	1.20	10.60													

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/18/2012 1:45:00 PM	19.00	3.90	36.50	31.90	0.00	36.50	34.40	31.90	31.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 2:00:00 PM	41.00	3.20	35.60	43.90	8.30	35.60	29.70	43.90	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 2:15:00 PM	12.00	4.60	34.90	40.70	5.80	34.90	28.90	40.70	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 2:30:00 PM	358.00	5.00	37.00	31.70	0.00	32.80	31.70	37.90	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 2:45:00 PM	358.00	5.50	39.80	41.20	1.40	39.60	41.20	49.50	39.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 3:00:00 PM	356.00	1.80	60.00	44.50	0.00	42.80	44.50	43.80	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 3:15:00 PM	342.00	0.30	33.60	44.80	11.20	44.50	44.80	0.00	33.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 3:30:00 PM	37.00	2.60	41.20	0.00	0.00	41.20	45.40	0.00	39.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 3:45:00 PM	32.00	5.80	35.60	0.00	0.00	35.60	37.20	0.00	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 4:00:00 PM	44.00	3.60	50.90	0.00	0.00	50.90	33.60	0.00	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 4:15:00 PM	39.00	4.20	34.80	0.00	0.00	34.80	34.60	0.00	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 4:30:00 PM	42.00	3.90	45.60	0.00	0.00	45.60	59.20	0.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 4:45:00 PM	25.00	4.40	32.00	0.00	0.00	32.00	42.60	0.00	45.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 5:00:00 PM	53.00	5.40	25.90	0.00	0.00	25.90	33.00	0.00	66.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 5:15:00 PM	40.00	5.80	28.70	0.00	0.00	28.70	38.20	0.00	43.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 5:30:00 PM	44.00	5.90	26.50	0.00	0.00	26.50	34.90	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 5:45:00 PM	19.00	5.20	28.70	0.00	0.00	28.70	37.00	0.00	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 6:00:00 PM	22.00	5.60	29.30	0.00	0.00	29.30	42.40	0.00	45.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 6:15:00 PM	68.00	5.50	28.70	0.00	0.00	28.70	37.90	0.00	50.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 6:30:00 PM	48.00	3.80	29.10	0.00	0.00	29.10	53.30	0.00	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 6:45:00 PM	71.00	3.60	26.50	0.00	0.00	26.50	31.40	0.00	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 7:00:00 PM	112.00	3.20	27.30	35.80	8.50	25.00	27.30	0.00	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 7:15:00 PM	79.00	3.10	31.00	0.00	0.00	31.00	27.10	0.00	39.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 7:30:00 PM	82.00	2.60	26.40	0.00	0.00	26.40	33.40	0.00	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 7:45:00 PM	57.00	2.30	25.50	0.00	0.00	25.50	52.90	0.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 8:00:00 PM	48.00	3.80	46.70	0.00	0.00	46.70	31.00	0.00	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 8:15:00 PM	58.00	2.90	31.40	0.00	0.00	31.40	32.30	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 8:30:00 PM	59.00	2.40	29.50	0.00	0.00	29.50	26.60	0.00	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 8:45:00 PM	79.00	2.50	40.70	0.00	0.00	40.70	31.30	0.00	50.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 9:00:00 PM	71.00	2.50	36.60	0.00	0.00	36.60	47.50	0.00	41.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 9:15:00 PM	62.00	2.60	30.50	0.00	0.00	30.50	50.80	0.00	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 9:30:00 PM	66.00	3.40	42.90	0.00	0.00	42.90	45.90	0.00	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 9:45:00 PM	62.00	4.30	49.90	0.00	0.00	49.90	45.40	0.00	42.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 10:00:00 PM	7.00	7.50	59.00	0.00	0.00	59.00	28.40	0.00	46.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 10:15:00 PM	354.00	11.80	39.40	33.00	0.00	41.60	33.00	0.00	39.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 10:30:00 PM	333.00	12.80	36.60	26.50	0.00	34.60	26.50	0.00	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 10:45:00 PM	10.00	9.80	24.80	0.00	0.00	24.80	19.20	0.00	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/18/2012 11:00:00 PM	74.00	2.80	28.40	0.00	0.00	28.40	24.10	0.00	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/19/2012	169.00	3.60	16.40	16.10	0.00	18.00	16.40	0.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 12:15:00 AM	156.00	2.60	20.80	14.90	0.00	19.30	20.80	0.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 12:30:00 AM	154.00	2.00	35.70	29.20	0.00	21.30	35.70	0.00	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 12:45:00 AM	175.00	4.10	17.30	13.40	0.00	0.00	17.30	0.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 1:00:00 AM	172.00	2.50	16.10	12.80	0.00	0.00	16.10	0.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 1:15:00 AM	338.00	9.30	13.90	13.80	0.00	0.00	13.80	0.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 1:30:00 AM	357.00	7.00	12.30	13.50	1.20	0.00	13.50	0.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 1:45:00 AM	224.00	4.60	0.00	0.00	0.00	0.00	14.30	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 2:00:00 AM	228.00	3.70	0.00	0.00	0.00	0.00	12.00	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 2:15:00 AM	159.00	4.20	13.20	12.00	0.00	0.00	13.20	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 2:30:00 AM	168.00	7.70	27.60	16.20	0.00	0.00	27.60	0.00	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 2:45:00 AM	171.00	8.00	21.50	16.10	0.00	0.00	21.50	0.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:00:00 AM	173.00	6.50	13.10	9.30	0.00	0.00	13.10	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:15:00 AM	192.00	4.50	0.00	0.00	0.00	0.00	9.10	0.00	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:30:00 AM	182.00	3.60	0.00	0.00	0.00	0.00	9.90	0.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:45:00 AM	191.00	4.00	0.00	0.00	0.00	0.00	9.90	0.00	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:00:00 AM	279.00	1.30	9.80	11.00	1.20	0.00	11.00	0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:15:00 AM	18.00	2.20	0.00	0.00	0.00	0.00	10.60	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:30:00 AM	316.00	1.10	9.30	9.90	0.60	0.00	9.90	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:45:00 AM	258.00	3.50	0.00	0.00	0.00	0.00	9.20	0.00	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:00:00 AM	168.00	1.80	9.30	8.30	0.00	0.00	9.30	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:15:00 AM	143.00	2.90	10.00	9.10	0.00	0.00	10.00	0.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:30:00 AM	157.00	4.20	11.70	10.80	0.00	0.00	11.70	0.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:45:00 AM	131.00	4.10	12.90	10.90	0.00	0.00	12.90	0.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:00:00 AM	139.00	3.60	12.50	12.60	0.10	0.00	12.50	0.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:15:00 AM	122.00	4.10	14.10	11.80	0.00	0.00	14.10	0.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:30:00 AM	135.00	3.50	13.60	14.30	0.70	0.00	13.60	0.00	14.30	0.00	0.00							

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/19/2012 3:15:00 PM	18.00	2.10	0.00	26.90	0.00	0.00	23.70	26.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:30:00 PM	23.00	2.90	0.00	25.40	0.00	0.00	28.40	25.40	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 3:45:00 PM	38.00	6.20	0.00	23.50	0.00	0.00	32.60	23.50	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:00:00 PM	13.00	5.80	0.00	24.90	0.00	0.00	34.50	24.90	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:15:00 PM	13.00	7.10	0.00	25.70	0.00	0.00	32.90	25.70	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:30:00 PM	10.00	6.30	0.00	27.10	0.00	0.00	36.30	27.10	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 4:45:00 PM	29.00	4.60	0.00	27.80	0.00	0.00	35.20	27.80	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:00:00 PM	24.00	5.20	0.00	27.30	0.00	0.00	33.50	27.30	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:15:00 PM	24.00	7.40	0.00	22.80	0.00	0.00	42.30	22.80	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:30:00 PM	34.00	8.60	0.00	20.90	0.00	0.00	31.70	20.90	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 5:45:00 PM	25.00	6.80	0.00	20.60	0.00	0.00	27.60	20.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:00:00 PM	19.00	7.60	0.00	18.90	0.00	0.00	20.20	18.90	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:15:00 PM	29.00	6.20	0.00	20.60	0.00	0.00	15.20	20.60	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:30:00 PM	22.00	6.40	0.00	16.70	0.00	0.00	12.00	16.70	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 6:45:00 PM	21.00	7.30	0.00	14.70	0.00	0.00	10.20	14.70	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 7:00:00 PM	27.00	8.10	0.00	21.80	0.00	0.00	17.80	21.80	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 7:15:00 PM	33.00	10.00	0.00	24.80	0.00	0.00	22.60	24.80	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 7:30:00 PM	23.00	7.60	0.00	36.40	0.00	0.00	31.90	36.40	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 7:45:00 PM	31.00	7.20	0.00	34.40	0.00	0.00	33.60	34.40	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 8:00:00 PM	36.00	8.40	0.00	37.80	0.00	0.00	40.50	37.80	44.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 8:15:00 PM	33.00	7.20	0.00	34.90	0.00	0.00	36.60	34.90	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 8:30:00 PM	13.00	8.20	0.00	27.10	0.00	0.00	27.30	27.10	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 8:45:00 PM	19.00	6.00	0.00	20.20	0.00	0.00	20.80	20.20	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 9:00:00 PM	13.00	6.70	0.00	15.90	0.00	0.00	17.00	15.90	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 9:15:00 PM	39.00	6.10	0.00	18.90	0.00	0.00	16.60	18.90	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 9:30:00 PM	31.00	6.00	0.00	17.30	0.00	0.00	16.50	17.30	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 9:45:00 PM	11.00	6.30	0.00	13.40	0.00	0.00	16.60	13.40	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 10:00:00 PM	28.00	4.00	0.00	15.20	0.00	0.00	16.60	15.20	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 10:15:00 PM	359.00	5.80	17.70	17.30	0.00	0.00	17.30	17.90	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 10:30:00 PM	12.00	5.70	0.00	22.70	0.00	0.00	17.90	22.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 10:45:00 PM	5.00	3.60	0.00	19.60	0.00	0.00	17.60	19.60	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 11:00:00 PM	323.00	2.50	17.30	17.30	0.00	0.00	17.30	19.20	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 11:15:00 PM	332.00	3.40	22.10	21.20	0.00	0.00	21.20	22.70	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 11:30:00 PM	22.00	4.10	0.00	22.60	0.00	0.00	24.20	22.60	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/19/2012 11:45:00 PM	53.00	6.10	0.00	21.10	0.00	0.00	20.20	21.10	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/20/2012	17.00	5.00	0.00	22.00	0.00	0.00	21.70	22.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 12:15:00 AM	35.00	4.80	0.00	25.10	0.00	0.00	21.20	25.10	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 12:30:00 AM	28.00	5.40	0.00	19.50	0.00	0.00	16.00	19.50	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 12:45:00 AM	26.00	5.00	0.00	20.10	0.00	0.00	12.00	20.10	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 1:00:00 AM	19.00	7.60	0.00	12.60	0.00	0.00	8.90	12.60	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 1:15:00 AM	16.00	6.30	0.00	12.40	0.00	0.00	8.00	12.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 1:30:00 AM	33.00	6.10	0.00	12.30	0.00	0.00	7.90	12.30	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 1:45:00 AM	17.00	7.50	0.00	12.70	0.00	0.00	8.90	12.70	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 2:00:00 AM	34.00	4.60	0.00	10.70	0.00	0.00	9.80	10.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 2:15:00 AM	49.00	6.70	0.00	12.80	0.00	0.00	11.50	12.80	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 2:30:00 AM	29.00	4.80	0.00	15.00	0.00	0.00	12.40	15.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 2:45:00 AM	54.00	5.00	0.00	17.00	0.00	0.00	13.30	17.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 3:00:00 AM	46.00	7.30	0.00	15.00	0.00	0.00	14.40	15.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 3:15:00 AM	43.00	6.50	0.00	14.90	0.00	0.00	17.20	14.90	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 3:30:00 AM	42.00	4.70	0.00	16.30	0.00	0.00	21.00	16.30	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 3:45:00 AM	44.00	4.90	0.00	18.60	0.00	0.00	22.20	18.60	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 4:00:00 AM	35.00	6.80	0.00	18.20	0.00	0.00	21.10	18.20	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 4:15:00 AM	40.00	5.60	0.00	19.70	0.00	0.00	21.80	19.70	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 4:30:00 AM	45.00	5.50	0.00	19.70	0.00	0.00	21.60	19.70	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 4:45:00 AM	36.00	5.10	0.00	23.20	0.00	0.00	25.40	23.20	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 5:00:00 AM	52.00	8.50	0.00	24.40	0.00	0.00	28.80	24.40	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 5:15:00 AM	47.00	5.10	0.00	25.90	0.00	0.00	33.80	25.90	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 5:30:00 AM	53.00	5.70	0.00	26.40	0.00	0.00	35.00	26.40	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 5:45:00 AM	55.00	6.20	0.00	26.00	0.00	0.00	36.10	26.00	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 6:00:00 AM	53.00	6.60	0.00	27.40	0.00	0.00	40.10	27.40	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 6:15:00 AM	49.00	6.20	0.00	26.30	0.00	0.00	39.70	26.30	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 6:30:00 AM	53.00	6.40	0.00	27.90	0.00	0.00	39.90	27.90	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 6:45:00 AM	48.00	4.40	0.00	27.60	0.00	0.00	40.00	27.60	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 7:00:00 AM	62.00	6.20	0.00	32.90	0.00	0.00	43.30	32.90	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/20/2012 7:15:00 AM	80.00	7.40	0.00	29.10	0.00	0.00	43.60	29.10	30.80	0.00	0.00	0.00	0.0					

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/21/2012 4:45:00 PM	307.00	0.80	22.20	22.60	0.40	123.50	22.60	23.80	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 5:00:00 PM	230.00	2.50	21.20	56.50	35.20	56.50	22.30	21.20	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 5:15:00 PM	223.00	2.20	19.20	57.20	38.10	57.20	20.80	19.20	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 5:30:00 PM	177.00	1.90	21.20	16.80	0.00	56.80	21.20	18.70	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 5:45:00 PM	241.00	2.20	16.90	51.30	34.40	51.30	21.10	16.90	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 6:00:00 PM	223.00	2.40	16.70	51.60	34.90	51.60	21.10	16.70	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 6:15:00 PM	248.00	2.10	17.00	50.20	33.20	50.20	22.00	17.00	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 6:30:00 PM	198.00	1.80	17.50	51.10	33.70	51.10	22.10	17.50	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 6:45:00 PM	203.00	3.30	17.90	53.60	35.70	53.60	22.30	17.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 7:00:00 PM	182.00	3.80	18.00	52.30	34.40	52.30	21.80	18.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 7:15:00 PM	184.00	4.30	18.00	50.20	32.20	50.20	21.40	18.00	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 7:30:00 PM	208.00	2.20	18.90	52.30	33.40	52.30	20.90	18.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 7:45:00 PM	235.00	3.20	19.90	51.80	31.90	51.80	21.00	19.90	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 8:00:00 PM	219.00	2.70	20.40	55.20	34.90	55.20	22.00	20.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 8:15:00 PM	243.00	2.60	19.70	54.90	35.20	54.90	20.40	19.70	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 8:30:00 PM	219.00	2.60	19.60	52.70	33.10	52.70	18.20	19.60	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 8:45:00 PM	213.00	1.70	18.30	50.90	32.60	50.90	16.70	18.30	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 9:00:00 PM	0.00	0.00	0.00	0.00	0.00	50.40	16.60	17.30	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 9:15:00 PM	199.00	2.20	16.60	52.60	36.00	52.60	16.40	16.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 9:30:00 PM	207.00	2.00	16.20	52.50	36.30	52.50	16.90	16.20	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 9:45:00 PM	211.00	2.40	16.30	51.30	35.00	51.30	17.10	16.30	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 10:00:00 PM	206.00	2.40	16.80	52.40	35.60	52.40	17.70	16.80	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 10:15:00 PM	209.00	2.80	17.00	50.60	33.60	50.60	19.50	17.00	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 10:30:00 PM	213.00	1.70	17.50	54.90	37.40	54.90	19.10	17.50	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 10:45:00 PM	214.00	2.30	17.90	53.50	35.60	53.50	19.00	17.90	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 11:00:00 PM	217.00	2.20	17.80	51.90	34.20	51.90	19.10	17.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 11:15:00 PM	209.00	2.40	18.20	51.70	33.50	51.70	19.30	18.20	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 11:30:00 PM	221.00	1.70	19.30	59.60	40.30	59.60	20.30	19.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/21/2012 11:45:00 PM	204.00	2.40	20.30	55.30	35.00	55.30	19.90	20.30	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
07/22/2012	230.00	3.40	19.30	54.70	35.40	54.70	18.90	19.30	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 12:15:00 AM	219.00	2.10	19.00	56.80	37.80	56.80	17.60	19.00	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 12:30:00 AM	218.00	2.60	19.30	57.50	38.20	57.50	16.50	19.30	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 12:45:00 AM	209.00	2.40	19.60	53.30	33.70	53.30	15.90	19.60	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 1:00:00 AM	214.00	2.40	20.10	55.80	35.70	55.80	16.40	20.10	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 1:15:00 AM	226.00	2.00	20.20	56.60	36.40	56.60	17.40	20.20	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 1:30:00 AM	212.00	2.40	20.40	52.50	32.10	52.50	18.30	20.40	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 1:45:00 AM	203.00	2.20	20.30	54.00	33.70	54.00	18.90	20.30	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 2:00:00 AM	219.00	1.80	19.90	50.50	30.60	50.50	19.20	19.90	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 2:15:00 AM	214.00	1.50	19.90	52.30	32.40	52.30	19.30	19.90	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 2:30:00 AM	206.00	1.20	19.40	56.30	36.90	56.30	18.30	19.40	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 2:45:00 AM	223.00	1.60	18.60	59.40	40.80	59.40	16.60	18.60	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 3:00:00 AM	226.00	1.70	17.50	59.70	42.20	59.70	16.30	17.50	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 3:15:00 AM	215.00	1.50	17.20	58.80	41.60	58.80	16.30	17.20	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 3:30:00 AM	233.00	1.80	17.50	57.00	39.60	57.00	17.20	17.50	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 3:45:00 AM	199.00	1.10	18.00	57.80	39.80	57.80	17.80	18.00	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 4:00:00 AM	215.00	1.60	16.80	55.90	39.10	55.90	17.40	16.80	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 4:15:00 AM	192.00	1.70	16.40	51.50	35.10	51.50	17.10	16.40	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 4:30:00 AM	201.00	1.90	16.10	55.60	39.50	55.60	17.20	16.10	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 4:45:00 AM	190.00	2.10	16.20	54.80	38.60	54.80	18.50	16.20	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 5:00:00 AM	215.00	1.80	17.80	56.00	38.20	56.00	18.60	17.80	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 5:15:00 AM	213.00	1.20	19.70	50.80	31.10	50.80	18.80	19.70	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 5:30:00 AM	211.00	1.60	20.50	50.60	30.10	50.60	17.90	20.50	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 5:45:00 AM	203.00	1.70	19.90	53.70	33.80	53.70	17.10	19.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 6:00:00 AM	198.00	2.00	19.90	58.80	38.90	58.80	16.20	19.90	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 6:15:00 AM	195.00	1.70	19.90	54.50	34.70	54.50	16.60	19.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 6:30:00 AM	213.00	2.20	20.00	55.40	35.40	55.40	17.20	20.00	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 6:45:00 AM	215.00	2.70	20.40	52.60	32.30	52.60	19.00	20.40	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 7:00:00 AM	207.00	2.80	20.90	56.90	36.00	56.90	19.60	20.90	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 7:15:00 AM	205.00	2.20	20.40	51.40	31.00	51.40	19.60	20.40	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 7:30:00 AM	221.00	2.90	18.40	52.90	34.60	52.90	18.40	18.40	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 7:45:00 AM	215.00	3.40	17.10	57.10	40.00	57.10	19.00	17.10	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 8:00:00 AM	225.00	2.50	16.30	58.80	42.50	58.80	18.30	16.30	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 8:15:00 AM	209.00	2.60	16.40	57.20	40.90	57.20	18.60	16.40	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 8:30:00 AM	212.00	3.00	16.60	50.30	33.80	50.30	18.20	16.60	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 8:45:00 AM	240.00	2.90	16.40	59.10	42.70	59.10	17.80	16.40	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 9:00:00 AM	230.00	2.60	16.60	51.10	34.60	51.10	16.80	16.60	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/22/2012 9:15:00 AM	230.00	4.10	16.50	54.80	38.30	54.80	15.30	16.50	1									

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/22/2012 5:30:00 PM	232.00	3.00	15.60	50.80	35.20	50.80	15.50	15.60	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 5:45:00 PM	213.00	3.80	14.60	52.50	38.00	52.50	15.30	14.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 6:00:00 PM	174.00	3.10	14.30	12.90	0.00	51.30	14.30	13.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 6:15:00 PM	224.00	3.80	12.00	51.40	39.40	51.40	13.60	12.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 6:30:00 PM	211.00	3.20	12.40	57.20	44.80	57.20	14.00	12.40	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 6:45:00 PM	234.00	2.90	13.00	57.50	44.50	57.50	13.90	13.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 7:00:00 PM	211.00	3.20	13.70	58.70	45.00	58.70	13.90	13.70	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 7:15:00 PM	205.00	3.10	14.20	2.20	0.00	2.20	13.80	14.20	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 7:30:00 PM	192.00	2.80	15.30	1.60	0.00	1.60	14.00	15.30	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 7:45:00 PM	188.00	3.10	15.80	1.60	0.00	1.60	14.50	15.80	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 8:00:00 PM	178.00	3.70	15.10	13.50	0.00	1.60	15.10	16.30	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 8:15:00 PM	177.00	3.00	15.30	13.60	0.00	1.60	15.30	16.20	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 8:30:00 PM	177.00	2.40	14.90	13.80	0.00	1.60	14.90	15.80	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 8:45:00 PM	187.00	3.90	15.60	1.60	0.00	1.60	14.40	15.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 9:00:00 PM	182.00	2.80	15.40	1.70	0.00	1.70	14.30	15.40	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 9:15:00 PM	190.00	2.30	15.20	1.70	0.00	1.70	13.20	15.20	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 9:30:00 PM	172.00	3.10	13.90	16.00	2.10	1.70	13.90	15.20	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 9:45:00 PM	189.00	2.30	15.70	1.70	0.00	1.70	14.50	15.70	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 10:00:00 PM	164.00	2.20	14.60	16.90	2.30	1.70	14.60	16.50	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 10:15:00 PM	179.00	2.80	14.40	17.70	3.30	1.80	14.40	16.50	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 10:30:00 PM	175.00	2.80	14.00	18.00	3.90	1.80	14.00	16.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 10:45:00 PM	205.00	2.60	16.70	1.80	0.00	1.80	13.70	16.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 11:00:00 PM	192.00	2.10	16.80	1.80	0.00	1.80	13.70	16.80	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 11:15:00 PM	203.00	2.80	17.10	1.80	0.00	1.80	14.80	17.10	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 11:30:00 PM	180.00	2.00	17.00	1.80	0.00	1.80	15.80	17.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/22/2012 11:45:00 PM	174.00	3.40	16.20	18.50	2.30	1.80	16.20	18.10	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/23/2012	270.00	1.70	18.30	16.50	0.00	1.80	16.50	17.50	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 12:15:00 AM	189.00	2.30	17.50	1.80	0.00	1.80	16.80	17.50	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 12:30:00 AM	221.00	2.90	17.30	1.80	0.00	1.80	15.80	17.30	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 12:45:00 AM	190.00	2.60	17.00	1.80	0.00	1.80	14.90	17.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 1:00:00 AM	201.00	4.60	17.00	1.70	0.00	1.70	14.50	17.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 1:15:00 AM	199.00	4.70	16.90	1.70	0.00	1.70	15.40	16.90	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 1:30:00 AM	203.00	3.50	16.70	1.70	0.00	1.70	15.00	16.70	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 1:45:00 AM	198.00	3.90	16.40	1.70	0.00	1.70	15.80	16.40	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 2:00:00 AM	214.00	4.30	16.10	1.60	0.00	1.60	15.60	16.10	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 2:15:00 AM	0.00	0.00	0.00	0.00	0.00	1.60	16.40	15.40	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 2:30:00 AM	0.00	0.00	0.00	0.00	0.00	2.70	17.50	14.60	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 2:45:00 AM	0.00	0.00	0.00	0.00	0.00	1.60	16.10	13.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 3:00:00 AM	0.00	0.00	0.00	0.00	0.00	1.60	15.90	13.70	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 3:15:00 AM	211.00	4.00	13.50	1.50	0.00	1.50	15.00	13.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 3:30:00 AM	202.00	4.70	14.00	1.60	0.00	1.60	15.70	14.00	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 3:45:00 AM	224.00	5.60	14.10	1.60	0.00	1.60	16.80	14.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 4:00:00 AM	215.00	4.50	14.60	1.60	0.00	1.60	18.20	14.60	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 4:15:00 AM	211.00	4.20	14.80	1.60	0.00	1.60	18.70	14.80	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 4:30:00 AM	209.00	4.70	15.20	1.60	0.00	1.60	19.20	15.20	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 4:45:00 AM	257.00	6.10	16.30	1.70	0.00	1.70	19.90	16.30	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 5:00:00 AM	215.00	4.30	17.80	1.60	0.00	1.60	22.60	17.80	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 5:15:00 AM	206.00	3.80	17.60	8.70	0.00	8.70	21.80	17.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 5:30:00 AM	216.00	4.30	17.80	1.90	0.00	1.90	22.10	17.80	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 5:45:00 AM	225.00	6.10	18.00	1.90	0.00	1.90	22.40	18.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 6:00:00 AM	227.00	3.70	18.40	1.90	0.00	1.90	22.80	18.40	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 6:15:00 AM	217.00	5.90	19.00	1.90	0.00	1.90	22.50	19.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 6:30:00 AM	211.00	4.90	19.40	1.90	0.00	1.90	22.80	19.40	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 6:45:00 AM	225.00	4.30	20.50	1.90	0.00	1.90	23.80	20.50	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 7:00:00 AM	245.00	4.70	21.20	1.90	0.00	1.90	24.00	21.20	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 7:15:00 AM	231.00	6.90	21.90	2.00	0.00	2.00	24.40	21.90	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 7:30:00 AM	221.00	6.50	22.20	2.00	0.00	2.00	24.70	22.20	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 7:45:00 AM	254.00	4.20	22.60	2.00	0.00	2.00	25.70	22.60	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 8:00:00 AM	250.00	4.80	22.80	2.10	0.00	2.10	27.50	22.80	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 8:15:00 AM	238.00	3.90	22.80	2.20	0.00	2.20	28.60	22.80	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 8:30:00 AM	234.00	3.60	21.60	2.30	0.00	2.30	29.00	21.60	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 8:45:00 AM	235.00	5.10	20.50	2.40	0.00	2.40	26.50	20.50	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 9:00:00 AM	231.00	5.10	19.90	2.40	0.00	2.40	25.00	19.90	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 9:15:00 AM	252.00	5.30	20.30	2.50	0.00	2.50	24.30	20.30	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2012 9:30:00 AM	260.00	4.80	21.00	2.60														

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/23/2012 6:15:00 PM	279.00	2.70	26.70	26.80	0.10	8.40	26.80	28.50	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 6:30:00 PM	267.00	3.50	29.40	8.80	0.00	8.80	28.50	29.40	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 6:45:00 PM	279.00	2.70	28.50	29.20	0.80	9.10	29.20	29.50	28.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 7:00:00 PM	282.00	2.10	28.90	34.20	5.30	8.90	34.20	30.10	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 7:15:00 PM	269.00	2.60	30.20	8.20	0.00	8.20	29.70	30.20	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 7:30:00 PM	266.00	3.40	31.30	8.50	0.00	8.50	29.40	31.30	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 7:45:00 PM	256.00	5.10	30.60	8.50	0.00	8.50	26.40	30.60	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 8:00:00 PM	270.00	3.60	27.10	26.10	0.00	8.10	26.10	30.00	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 8:15:00 PM	264.00	3.20	28.90	7.90	0.00	7.90	24.60	28.90	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 8:30:00 PM	237.00	4.20	27.50	7.70	0.00	7.70	23.30	27.50	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 8:45:00 PM	260.00	2.20	27.00	7.70	0.00	7.70	22.70	27.00	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 9:00:00 PM	262.00	2.60	26.30	7.40	0.00	7.40	22.90	26.30	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 9:15:00 PM	272.00	2.50	25.60	23.80	0.00	7.40	23.80	26.00	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 9:30:00 PM	263.00	2.70	25.90	7.40	0.00	7.40	24.20	25.90	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 9:45:00 PM	267.00	2.40	26.00	7.40	0.00	7.40	25.10	26.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 10:00:00 PM	265.00	2.00	26.00	7.30	0.00	7.30	26.20	26.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 10:15:00 PM	282.00	1.60	25.80	27.20	1.40	7.20	27.20	26.80	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 10:30:00 PM	278.00	1.80	27.40	28.40	1.00	7.60	28.40	27.30	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 10:45:00 PM	254.00	1.70	28.70	8.00	0.00	8.00	29.30	28.70	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 11:00:00 PM	262.00	1.60	29.50	8.10	0.00	8.10	30.20	29.50	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 11:15:00 PM	270.00	1.70	31.00	30.00	0.00	8.20	30.00	30.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 11:30:00 PM	271.00	1.80	32.90	30.30	0.00	8.50	30.30	31.70	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/23/2012 11:45:00 PM	285.00	1.30	33.00	30.40	0.00	8.80	30.40	31.10	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
07/24/2012	209.00	1.10	30.50	9.00	0.00	9.00	29.30	30.50	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 12:15:00 AM	228.00	1.90	30.40	9.00	0.00	9.00	29.20	30.40	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 12:30:00 AM	226.00	1.80	31.80	9.10	0.00	9.10	31.00	31.80	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 12:45:00 AM	221.00	2.00	31.80	9.40	0.00	9.40	31.90	31.80	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 1:00:00 AM	244.00	1.70	31.70	9.60	0.00	9.60	33.70	31.70	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 1:15:00 AM	244.00	1.70	32.00	9.50	0.00	9.50	33.20	32.00	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 1:30:00 AM	233.00	1.10	32.30	9.60	0.00	9.60	32.10	32.30	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 1:45:00 AM	239.00	1.10	32.80	9.60	0.00	9.60	32.70	32.80	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 2:00:00 AM	211.00	1.20	32.60	9.80	0.00	9.80	33.20	32.60	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 2:15:00 AM	219.00	1.60	31.50	12.50	0.00	12.50	32.80	31.50	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 2:30:00 AM	306.00	2.00	33.90	32.40	0.00	17.00	32.40	32.00	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 2:45:00 AM	254.00	1.30	32.40	19.20	0.00	19.20	32.90	32.40	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 3:00:00 AM	269.00	0.90	33.20	20.50	0.00	20.50	33.50	33.20	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 3:15:00 AM	337.00	1.30	34.40	33.70	0.00	20.40	33.70	33.60	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 3:30:00 AM	335.00	2.80	35.30	34.80	0.00	21.30	34.80	33.90	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 3:45:00 AM	359.00	4.40	37.40	38.00	0.60	21.60	38.00	35.20	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 4:00:00 AM	56.00	0.80	21.80	35.40	13.60	21.80	36.60	35.40	39.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 4:15:00 AM	345.00	1.00	42.20	38.10	0.00	22.30	38.10	37.90	42.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 4:30:00 AM	8.00	4.50	22.70	39.10	16.40	22.70	42.80	39.10	42.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 4:45:00 AM	35.00	2.90	21.10	38.40	17.30	21.10	39.60	38.40	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 5:00:00 AM	42.00	3.80	20.20	31.90	11.70	20.20	31.80	31.90	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 5:15:00 AM	38.00	3.60	19.00	33.50	14.40	19.00	33.80	33.50	33.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 5:30:00 AM	58.00	1.50	19.10	28.90	9.70	19.10	31.80	28.90	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 5:45:00 AM	31.00	2.50	19.00	26.90	7.90	19.00	28.60	26.90	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 6:00:00 AM	22.00	1.90	16.80	27.80	11.00	16.80	24.80	27.80	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 6:15:00 AM	49.00	2.60	16.70	24.10	7.40	16.70	27.40	24.10	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 6:30:00 AM	36.00	2.20	17.80	27.30	9.50	17.80	27.20	27.30	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 6:45:00 AM	359.00	8.50	26.00	38.10	12.10	17.50	38.10	29.40	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 7:00:00 AM	10.00	16.30	16.50	24.90	8.40	16.50	30.80	24.90	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 7:15:00 AM	24.00	4.60	17.70	27.90	10.20	17.70	31.70	27.90	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 7:30:00 AM	60.00	3.30	17.00	26.60	9.60	17.00	29.80	26.60	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 8:00:00 AM	76.00	1.50	14.90	20.70	5.80	14.90	20.50	20.70	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 8:15:00 AM	129.00	4.30	11.80	12.20	0.50	13.30	11.80	14.90	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 8:30:00 AM	111.00	2.60	17.60	19.70	2.10	14.50	17.60	15.40	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 8:45:00 AM	107.00	3.50	24.00	20.40	0.00	18.40	24.00	22.50	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 9:00:00 AM	161.00	3.30	25.80	25.40	0.00	16.80	25.80	21.90	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 9:15:00 AM	202.00	2.50	23.00	13.90	0.00	13.90	17.40	23.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 9:30:00 AM	278.00	1.20	16.60	14.70	0.00	11.20	14.70	13.40	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 9:45:00 AM	339.00	3.20	11.70	19.30	0.00	10.70	19.30	14.40	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 10:00:00 AM	311.00	2.70	19.10	20.30	1.20	11.90	20.30	17.20	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 10:15:00 AM	351.00	5.00	20.50	17.30	0.00	11.20	17.30	16.80	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 10:30:00 AM	16.00	4.00	10.40	16.10	5.70	10.40	16.80	16.10	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 10:45:00 AM	10.00	7.50	10.60	17.00	6.40	10.60	18.20	17.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 11:00:00 AM	0.00	4.20	10.80	20.10	9.40	10.80	23.30	20.10	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
7/24/2012 11:15:00 AM	2.00	6.90	9															

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/25/2012 8:00:00 PM	233.00	6.60	23.20	19.30	0.00	19.30	22.10	23.20	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 8:15:00 PM	213.00	5.60	22.90	20.90	0.00	20.90	22.60	22.90	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 8:30:00 PM	214.00	3.50	22.40	19.80	0.00	19.80	24.30	22.40	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 8:45:00 PM	211.00	4.50	22.50	18.80	0.00	18.80	26.60	22.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 9:00:00 PM	219.00	4.20	21.40	18.10	0.00	18.10	26.40	21.40	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 9:15:00 PM	241.00	3.20	20.80	17.40	0.00	17.40	26.30	20.80	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 9:30:00 PM	214.00	4.10	19.80	17.00	0.00	17.00	25.60	19.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 9:45:00 PM	225.00	4.60	19.90	16.30	0.00	16.30	28.10	19.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 10:00:00 PM	206.00	4.30	17.90	15.80	0.00	15.80	25.60	17.90	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 10:15:00 PM	220.00	3.40	16.70	14.80	0.00	14.80	24.10	16.70	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 10:30:00 PM	209.00	3.50	16.60	12.00	0.00	12.00	23.20	16.60	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 10:45:00 PM	211.00	4.70	15.90	10.10	0.00	10.10	22.00	15.90	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 11:00:00 PM	204.00	4.50	15.20	9.90	0.00	9.90	21.10	15.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 11:15:00 PM	223.00	5.70	15.80	9.80	0.00	9.80	20.30	15.80	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 11:30:00 PM	221.00	3.00	15.10	9.80	0.00	9.80	19.00	15.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2012 11:45:00 PM	218.00	3.60	14.90	9.70	0.00	9.70	19.00	14.90	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/26/2012	206.00	3.80	14.70	9.20	0.00	9.20	19.10	14.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 12:15:00 AM	211.00	5.50	14.50	9.10	0.00	9.10	20.10	14.50	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 12:30:00 AM	220.00	4.30	14.80	10.50	0.00	10.50	20.60	14.80	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 12:45:00 AM	223.00	4.60	14.80	10.00	0.00	10.00	21.30	14.80	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 1:00:00 AM	224.00	3.20	14.90	9.70	0.00	9.70	21.00	14.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 1:15:00 AM	198.00	4.80	15.20	9.80	0.00	9.80	21.30	15.20	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 1:30:00 AM	208.00	5.80	15.10	9.70	0.00	9.70	21.70	15.10	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 1:45:00 AM	216.00	3.90	14.90	9.80	0.00	9.80	22.10	14.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 2:00:00 AM	208.00	5.40	15.10	10.00	0.00	10.00	22.60	15.10	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 2:15:00 AM	222.00	4.40	15.50	10.00	0.00	10.00	22.40	15.50	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 2:30:00 AM	279.00	5.60	22.20	22.90	0.80	10.00	22.90	15.60	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 2:45:00 AM	234.00	2.10	16.10	10.00	0.00	10.00	22.90	16.10	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 3:00:00 AM	231.00	4.00	16.00	10.00	0.00	10.00	22.10	16.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 3:15:00 AM	238.00	4.40	16.10	54.00	37.90	54.00	21.50	16.10	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 3:30:00 AM	273.00	3.80	25.10	20.70	0.00	57.50	20.70	16.90	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 3:45:00 AM	295.00	3.30	29.60	24.80	0.00	37.60	24.80	17.60	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 4:00:00 AM	323.00	9.10	25.90	20.20	0.00	14.70	20.20	17.30	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 4:15:00 AM	3.00	5.20	12.30	17.20	4.90	12.30	18.30	17.20	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 4:30:00 AM	333.00	6.00	27.90	17.10	0.00	10.00	17.10	17.40	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 4:45:00 AM	332.00	8.90	27.60	16.60	0.00	2.20	16.60	16.80	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 5:00:00 AM	14.00	7.40	1.70	15.20	13.50	1.70	13.50	15.20	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 5:15:00 AM	16.00	3.60	1.80	13.90	12.10	1.80	11.80	13.90	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 5:30:00 AM	89.00	3.30	1.60	12.20	10.50	1.60	10.30	12.20	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 5:45:00 AM	52.00	1.20	1.60	12.60	11.00	1.60	12.40	12.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 6:00:00 AM	77.00	1.80	1.70	13.30	11.70	1.70	12.80	13.30	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 6:15:00 AM	152.00	1.90	9.50	16.00	6.50	1.60	9.50	11.70	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 6:30:00 AM	147.00	2.70	12.40	21.10	8.70	1.50	12.40	13.60	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 6:45:00 AM	192.00	1.30	12.60	1.60	0.00	1.60	11.00	12.60	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 7:00:00 AM	185.00	3.10	12.10	1.60	0.00	1.60	10.80	12.10	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 7:15:00 AM	210.00	2.80	12.20	1.70	0.00	1.70	13.90	12.20	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 7:30:00 AM	233.00	2.30	11.80	1.60	0.00	1.60	10.10	11.80	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 7:45:00 AM	217.00	2.50	11.00	1.50	0.00	1.50	10.10	11.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 8:00:00 AM	217.00	3.10	11.70	1.40	0.00	1.40	10.60	11.70	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 8:15:00 AM	202.00	2.70	12.20	1.30	0.00	1.30	11.00	12.20	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 8:30:00 AM	222.00	4.60	12.20	1.20	0.00	1.20	12.20	12.20	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 8:45:00 AM	206.00	3.20	12.50	1.30	0.00	1.30	11.20	12.50	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:00:00 AM	249.00	4.50	11.50	1.30	0.00	1.30	10.60	11.50	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:15:00 AM	237.00	4.10	11.50	1.30	0.00	1.30	10.70	11.50	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:30:00 AM	253.00	3.40	10.00	1.30	0.00	1.30	9.80	10.00	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:45:00 AM	229.00	3.60	9.30	1.30	0.00	1.30	9.00	9.30	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:00:00 AM	240.00	3.80	8.90	1.30	0.00	1.30	8.40	8.90	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:15:00 AM	251.00	6.80	8.90	1.40	0.00	1.40	8.90	8.90	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:30:00 AM	258.00	5.80	10.30	1.50	0.00	1.50	12.40	10.30	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:45:00 AM	243.00	4.70	9.90	1.60	0.00	1.60	11.60	9.90	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:00:00 AM	253.00	3.90	9.90	1.60	0.00	1.60	11.90	9.90	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:15:00 AM	269.00	5.30	10.10	1.70	0.00	1.70	11.60	10.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:30:00 AM	238.00	6.00	10.40	1.70	0.00	1.70	11.20	10.40	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:45:00 AM	255.00	4.70	11.60	1.80	0.00	1.80	12.10	11.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 12:00:00 PM	274.00																	

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/26/2012 8:45:00 PM	160.00	1.40	14.10	17.80	3.80	1.40	14.10	11.40	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:00:00 PM	137.00	3.30	11.40	14.20	2.90	1.40	11.40	12.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:15:00 PM	136.00	3.00	12.40	11.70	0.00	1.80	12.40	14.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:30:00 PM	200.00	2.20	22.60	3.30	0.00	3.30	24.30	22.60	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 9:45:00 PM	200.00	2.80	14.40	1.60	0.00	1.60	7.70	14.40	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:00:00 PM	165.00	1.40	7.20	15.10	7.90	1.10	7.20	9.90	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:15:00 PM	219.00	2.00	10.20	1.10	0.00	1.10	7.60	10.20	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:30:00 PM	205.00	1.30	11.60	1.90	0.00	1.90	9.70	11.60	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 10:45:00 PM	190.00	1.40	13.90	1.70	0.00	1.70	14.50	13.90	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:00:00 PM	202.00	2.30	15.40	1.60	0.00	1.60	13.20	15.40	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:15:00 PM	207.00	1.50	15.40	1.80	0.00	1.80	15.00	15.40	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:30:00 PM	209.00	2.10	13.40	1.70	0.00	1.70	15.90	13.40	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2012 11:45:00 PM	223.00	2.30	13.70	1.70	0.00	1.70	16.50	13.70	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
07/27/2012	231.00	1.80	13.10	2.00	0.00	2.00	15.20	13.10	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:15:00 AM	226.00	1.70	13.30	2.30	0.00	2.30	16.60	13.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:30:00 AM	237.00	2.40	12.90	2.50	0.00	2.50	15.20	12.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:45:00 AM	209.00	1.90	13.60	2.60	0.00	2.60	12.80	13.60	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 1:00:00 AM	208.00	2.30	12.90	2.60	0.00	2.60	13.60	12.90	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 1:15:00 AM	204.00	1.50	14.10	2.90	0.00	2.90	16.20	14.10	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 1:30:00 AM	230.00	1.80	14.70	3.00	0.00	3.00	18.10	14.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 1:45:00 AM	233.00	2.80	15.90	3.40	0.00	3.40	18.50	15.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 2:00:00 AM	239.00	2.50	17.00	3.70	0.00	3.70	18.50	17.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 2:15:00 AM	217.00	1.20	16.50	3.80	0.00	3.80	19.30	16.50	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 2:30:00 AM	0.00	0.00	0.00	0.00	0.00	3.80	19.60	16.60	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 2:45:00 AM	0.00	0.00	0.00	0.00	0.00	3.80	19.20	16.60	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 3:00:00 AM	0.00	0.00	0.00	0.00	0.00	4.00	19.00	17.40	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 3:15:00 AM	0.00	0.00	0.00	0.00	0.00	4.30	20.00	17.60	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 3:30:00 AM	0.00	0.00	0.00	0.00	0.00	4.60	20.60	17.70	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 3:45:00 AM	133.00	1.00	23.40	22.40	0.00	5.00	23.40	17.70	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 4:00:00 AM	255.00	1.60	18.50	5.20	0.00	5.20	25.60	18.50	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 4:15:00 AM	191.00	1.10	19.20	5.20	0.00	5.20	28.40	19.20	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 4:30:00 AM	233.00	1.40	20.80	5.60	0.00	5.60	29.90	20.80	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 4:45:00 AM	236.00	2.30	21.20	5.90	0.00	5.90	28.90	21.20	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 5:00:00 AM	239.00	2.90	22.00	6.30	0.00	6.30	27.60	22.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 5:15:00 AM	237.00	2.70	22.70	6.50	0.00	6.50	27.20	22.70	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 5:30:00 AM	241.00	2.90	22.10	6.80	0.00	6.80	23.80	22.10	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 5:45:00 AM	242.00	2.70	20.70	7.00	0.00	7.00	24.10	20.70	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 6:00:00 AM	239.00	2.40	21.40	6.60	0.00	6.60	26.40	21.40	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 6:15:00 AM	231.00	1.70	22.40	6.80	0.00	6.80	29.30	22.40	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 6:30:00 AM	236.00	1.90	22.80	7.10	0.00	7.10	29.40	22.80	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 6:45:00 AM	228.00	2.00	21.30	7.10	0.00	7.10	28.00	21.30	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 7:00:00 AM	228.00	1.90	20.10	7.30	0.00	7.30	25.10	20.10	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 7:15:00 AM	218.00	1.70	18.10	7.10	0.00	7.10	22.30	18.10	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 7:30:00 AM	246.00	2.90	17.30	6.90	0.00	6.90	20.50	17.30	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 7:45:00 AM	218.00	2.20	16.70	7.00	0.00	7.00	19.80	16.70	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 8:00:00 AM	249.00	1.90	16.40	6.90	0.00	6.90	20.40	16.40	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 8:15:00 AM	215.00	1.30	15.60	6.80	0.00	6.80	23.20	15.60	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 8:30:00 AM	241.00	2.30	17.00	6.70	0.00	6.70	23.40	17.00	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 8:45:00 AM	231.00	2.60	17.50	6.90	0.00	6.90	23.40	17.50	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 9:00:00 AM	246.00	3.50	16.90	7.00	0.00	7.00	21.00	16.90	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 9:15:00 AM	217.00	1.60	17.80	7.10	0.00	7.10	21.90	17.80	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 9:30:00 AM	177.00	1.80	21.70	19.40	0.00	7.00	21.70	18.10	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 9:45:00 AM	220.00	2.00	17.80	7.10	0.00	7.10	19.60	17.80	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 10:00:00 AM	215.00	2.30	16.90	6.60	0.00	6.60	19.00	16.90	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 10:15:00 AM	242.00	3.10	19.90	7.30	0.00	7.30	56.60	19.90	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 10:45:00 AM	240.00	2.80	18.70	6.90	0.00	6.90	22.10	18.70	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 11:00:00 AM	186.00	2.80	17.20	6.80	0.00	6.80	19.60	17.20	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 11:15:00 AM	214.00	3.70	16.90	6.80	0.00	6.80	18.50	16.90	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 11:30:00 AM	215.00	3.10	16.50	6.50	0.00	6.50	18.60	16.50	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 11:45:00 AM	273.00	3.60	17.80	18.10	0.40	6.10	18.10	16.60	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:00:00 PM	226.00	2.90	16.50	6.60	0.00	6.60	19.60	16.50	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:15:00 PM	305.00	3.80	18.30	18.20	0.00	6.80	18.20	18.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:30:00 PM	298.00	2.80	20.40	20.20	0.00	6.90	20.20	17.30	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 12:45:00 PM	278.00	2.90	19.80	20.60	0.70	7.30	20.60	17.80	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2012 1:00:00 PM	282.00	3.00	19.30	21.20	1.90	7.20												

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
7/27/2012 9:45:00 PM	9.00	9.40	3.90	8.50	4.70	3.90	12.00	8.50	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 10:00:00 PM	9.00	7.90	4.30	9.20	4.90	4.30	13.80	9.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 10:15:00 PM	9.00	9.20	5.90	11.30	5.40	5.90	19.70	11.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 10:30:00 PM	8.00	8.30	6.40	13.80	7.40	6.40	28.30	13.80	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 10:45:00 PM	10.00	7.90	4.60	10.00	5.40	4.60	17.70	10.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 11:00:00 PM	2.00	6.10	3.30	7.80	4.60	3.30	9.70	7.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 11:15:00 PM	1.00	6.00	3.10	7.40	4.40	3.10	8.70	7.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 11:30:00 PM	358.00	4.30	6.50	10.30	3.80	3.80	10.30	7.60	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2012 11:45:00 PM	0.00	7.40	3.30	7.70	4.30	3.30	9.80	7.70	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/28/2012	351.00	4.50	7.00	9.20	2.20	3.30	9.20	7.50	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:15:00 AM	359.00	3.10	7.10	9.60	2.50	3.00	9.60	7.60	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:30:00 AM	10.00	3.90	3.40	7.70	4.30	3.40	10.50	7.70	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:45:00 AM	335.00	2.90	8.00	11.30	3.20	3.40	11.30	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:00:00 AM	29.00	3.90	3.70	8.20	4.50	3.70	11.50	8.20	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:15:00 AM	45.00	5.70	3.70	8.60	4.90	3.70	11.10	8.60	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:30:00 AM	26.00	5.30	3.50	9.60	6.10	3.50	11.40	9.60	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:45:00 AM	56.00	4.20	3.60	9.20	5.60	3.60	9.70	9.20	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:00:00 AM	58.00	4.20	3.20	9.40	6.20	3.20	7.70	9.40	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:15:00 AM	51.00	5.10	2.60	7.50	4.90	2.60	6.90	7.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:30:00 AM	45.00	5.90	2.80	7.30	4.50	2.80	7.80	7.30	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:45:00 AM	49.00	6.30	3.00	7.80	4.80	3.00	7.10	7.80	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 3:00:00 AM	40.00	6.00	2.90	7.70	4.70	2.90	8.40	7.70	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 3:15:00 AM	37.00	4.30	3.40	8.20	4.80	3.40	9.00	8.20	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 3:30:00 AM	30.00	6.90	3.10	8.10	5.00	3.10	10.50	8.10	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 3:45:00 AM	24.00	7.30	3.10	7.30	4.30	3.10	10.70	7.30	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 4:00:00 AM	44.00	4.50	3.30	7.20	3.90	3.30	8.90	7.20	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 4:15:00 AM	83.00	1.80	2.90	6.60	3.70	2.90	10.40	6.60	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 4:30:00 AM	45.00	5.00	3.10	6.70	3.60	3.10	8.00	6.70	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 4:45:00 AM	36.00	8.70	3.30	6.90	3.50	3.30	11.30	6.90	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 5:00:00 AM	35.00	7.80	3.50	8.50	5.00	3.50	15.10	8.50	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 5:15:00 AM	37.00	7.20	3.90	8.50	4.60	3.90	14.50	8.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 5:30:00 AM	37.00	6.40	4.10	9.00	4.90	4.10	16.10	9.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 5:45:00 AM	44.00	7.70	4.50	9.80	5.30	4.50	18.70	9.80	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 6:00:00 AM	35.00	4.40	4.70	9.50	4.80	4.70	17.90	9.50	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 6:15:00 AM	35.00	4.60	5.10	12.90	7.80	5.10	21.80	12.90	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 6:30:00 AM	17.00	7.00	4.40	9.10	4.70	4.40	16.60	9.10	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 6:45:00 AM	21.00	8.40	4.60	9.30	4.80	4.60	15.00	9.30	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 7:00:00 AM	42.00	4.40	4.20	10.20	6.10	4.20	14.90	10.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 7:15:00 AM	35.00	7.10	4.20	11.00	6.80	4.20	18.60	11.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 7:30:00 AM	13.00	4.50	4.40	11.80	7.40	4.40	18.80	11.80	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 7:45:00 AM	38.00	6.80	4.80	11.40	6.60	4.80	23.30	11.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 8:00:00 AM	42.00	4.00	5.00	11.20	6.20	5.00	31.50	11.20	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 8:15:00 AM	48.00	6.20	6.00	11.40	5.40	6.00	34.10	11.40	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 8:30:00 AM	33.00	3.20	5.50	10.80	5.20	5.50	31.20	10.80	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 8:45:00 AM	39.00	5.90	5.30	9.10	3.80	5.30	26.40	9.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 9:00:00 AM	22.00	4.40	5.30	9.20	4.00	5.30	23.90	9.20	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 9:15:00 AM	54.00	6.80	5.10	10.00	4.90	5.10	21.60	10.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 9:30:00 AM	19.00	4.30	5.10	10.80	5.70	5.10	24.00	10.80	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 9:45:00 AM	46.00	5.40	5.40	11.50	6.10	5.40	23.80	11.50	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 10:00:00 AM	38.00	7.70	6.20	13.00	6.80	6.20	27.90	13.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 10:15:00 AM	24.00	8.90	6.30	14.20	7.90	6.30	23.40	14.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 10:30:00 AM	34.00	4.50	6.20	13.00	6.90	6.20	22.80	13.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 10:45:00 AM	29.00	6.00	6.20	12.00	5.90	6.20	20.20	12.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 11:00:00 AM	31.00	8.70	6.40	11.50	5.10	6.40	20.90	11.50	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 11:15:00 AM	33.00	5.90	6.40	11.40	5.00	6.40	23.10	11.40	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 11:30:00 AM	26.00	5.10	6.30	12.90	6.60	6.30	19.50	12.90	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 11:45:00 AM	35.00	3.50	6.50	12.50	6.10	6.50	18.20	12.50	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:00:00 PM	8.00	5.80	6.60	13.20	6.60	6.60	20.60	13.20	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:15:00 PM	51.00	4.50	6.50	13.20	6.70	6.50	19.20	13.20	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:30:00 PM	14.00	7.30	7.50	14.40	6.80	7.50	19.40	14.40	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 12:45:00 PM	14.00	7.30	9.20	14.30	5.10	9.20	19.80	14.30	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:00:00 PM	24.00	5.40	9.50	14.20	4.70	9.50	18.60	14.20	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:15:00 PM	38.00	5.20	9.90	13.80	3.90	9.90	19.00	13.80	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:30:00 PM	16.00	6.00	9.40	12.90	3.50	9.40	18.70	12.90	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 1:45:00 PM	34.00	3.30	10.60	12.70	2.10	10.60	18.90	12.70	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:00:00 PM	33.00	5.00	12.00	13.00	1.00	12.00	20.30	13.00	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:15:00 PM	18.00	5.10	12.70	12.50	0.00	12.70	20.50	12.50	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:30:00 PM	12.00	5.30	11.00	11.30	0.30	11.00	18.20	11.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2012 2:45:00 PM	19.00	6.40	9.50	11.80	2.20	9.50	17.50	11.80								

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
7/30/2012 12:15:00 AM	0.00	0.00	0.00	0.00	0.00	7.90	18.50	19.70	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:30:00 AM	0.00	0.00	0.00	0.00	0.00	7.50	17.50	18.10	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:45:00 AM	0.00	0.00	0.00	0.00	0.00	7.60	17.30	16.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:00:00 AM	0.00	0.00	0.00	0.00	0.00	7.30	16.90	17.50	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:15:00 AM	0.00	0.00	0.00	0.00	0.00	7.30	16.40	17.70	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:30:00 AM	0.00	0.00	0.00	0.00	0.00	7.60	16.20	18.50	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:45:00 AM	0.00	0.00	0.00	0.00	0.00	8.10	18.40	15.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:00:00 AM	153.00	2.20	15.20	12.70	0.00	8.00	15.20	14.80	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:15:00 AM	179.00	2.50	16.00	12.70	0.00	7.80	16.00	15.40	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:30:00 AM	175.00	2.60	21.10	13.70	0.00	8.20	21.10	15.10	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:45:00 AM	178.00	1.10	19.50	15.40	0.00	9.00	19.50	14.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:00:00 AM	0.00	0.00	0.00	0.00	0.00	7.60	22.40	14.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:15:00 AM	143.00	3.20	23.10	16.00	0.00	8.30	23.10	13.70	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:30:00 AM	177.00	3.20	21.00	15.40	0.00	9.20	21.00	13.90	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:45:00 AM	178.00	2.30	22.10	14.70	0.00	8.40	22.10	14.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:00:00 AM	160.00	3.40	16.70	12.80	0.00	9.90	16.70	13.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:15:00 AM	167.00	3.80	15.40	11.50	0.00	57.80	15.40	13.20	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:30:00 AM	168.00	2.40	16.50	11.80	0.00	32.80	16.50	12.70	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:45:00 AM	187.00	2.90	12.70	33.30	20.60	33.30	21.30	12.70	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 5:00:00 AM	194.00	2.80	13.00	33.50	20.50	33.50	18.30	13.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 5:15:00 AM	192.00	2.30	14.20	33.60	19.40	33.60	21.20	14.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 5:30:00 AM	181.00	2.60	14.00	33.30	19.30	33.30	17.80	14.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 5:45:00 AM	172.00	3.20	19.50	14.20	0.00	33.70	19.50	13.70	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 6:00:00 AM	156.00	2.40	17.90	12.60	0.00	33.40	17.90	13.60	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 6:15:00 AM	165.00	2.90	19.30	11.40	0.00	33.30	19.30	13.40	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 6:30:00 AM	161.00	2.10	16.80	10.80	0.00	34.10	16.80	13.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 6:45:00 AM	154.00	3.30	17.50	11.90	0.00	33.10	17.50	12.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 7:00:00 AM	145.00	2.30	19.60	11.60	0.00	33.40	19.60	10.90	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 7:15:00 AM	175.00	2.30	30.30	14.10	0.00	33.30	30.30	11.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 7:30:00 AM	184.00	3.60	11.80	33.60	21.80	33.60	21.40	11.80	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 7:45:00 AM	165.00	1.20	28.30	17.70	0.00	33.30	28.30	12.30	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 8:00:00 AM	171.00	3.90	30.50	22.30	0.00	30.10	30.50	12.90	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 8:15:00 AM	173.00	4.50	23.40	18.70	0.00	25.70	23.40	14.40	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 8:30:00 AM	166.00	3.50	20.10	18.10	0.00	25.10	20.10	13.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 8:45:00 AM	175.00	3.10	24.00	15.60	0.00	25.60	24.00	13.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 9:00:00 AM	197.00	2.70	14.50	25.20	10.60	25.20	21.60	14.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 9:15:00 AM	220.00	2.60	14.00	24.80	10.80	24.80	33.80	14.00	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 9:30:00 AM	222.00	2.80	14.70	25.10	10.40	25.10	28.60	14.70	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 9:45:00 AM	187.00	4.00	16.70	25.00	8.30	25.00	28.30	16.70	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 10:00:00 AM	189.00	2.60	17.70	23.50	5.80	23.50	41.60	17.70	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 10:15:00 AM	174.00	3.40	27.80	22.40	0.00	24.40	27.80	18.10	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 10:30:00 AM	161.00	3.30	23.30	21.20	0.00	24.20	23.30	16.30	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 10:45:00 AM	209.00	2.40	14.70	23.70	9.10	23.70	21.40	14.70	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 11:00:00 AM	206.00	2.90	17.60	22.90	5.30	22.90	20.20	17.60	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 11:15:00 AM	245.00	3.80	13.50	22.70	9.20	22.70	21.50	13.50	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 11:30:00 AM	219.00	4.80	12.90	22.40	9.50	22.40	16.50	12.90	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 11:45:00 AM	222.00	3.70	16.30	22.50	6.10	22.50	14.30	16.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:00:00 PM	273.00	2.50	13.60	15.40	1.80	21.70	15.40	12.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:15:00 PM	226.00	4.40	11.00	21.60	10.60	21.60	15.40	11.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:30:00 PM	168.00	5.40	13.90	13.40	0.00	21.20	13.90	11.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 12:45:00 PM	181.00	2.60	11.50	21.30	9.70	21.30	14.20	11.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:00:00 PM	166.00	3.50	13.70	14.10	0.40	21.00	13.70	12.70	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:15:00 PM	171.00	4.50	15.00	15.00	0.00	20.90	15.00	13.90	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:30:00 PM	206.00	3.80	15.00	55.30	40.30	55.30	15.30	15.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 1:45:00 PM	209.00	2.60	31.20	1.30	0.00	1.30	16.00	31.20	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:00:00 PM	196.00	1.90	17.20	0.80	0.00	0.80	16.70	17.20	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:15:00 PM	198.00	1.90	18.20	0.80	0.00	0.80	16.40	18.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:30:00 PM	212.00	5.60	18.90	0.80	0.00	0.80	18.00	18.90	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 2:45:00 PM	212.00	3.00	19.50	0.80	0.00	0.80	17.30	19.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:00:00 PM	188.00	3.60	20.50	0.80	0.00	0.80	18.40	20.50	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:15:00 PM	218.00	4.40	20.90	0.90	0.00	0.90	19.80	20.90	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:30:00 PM	213.00	4.30	20.20	1.00	0.00	1.00	21.40	20.20	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 3:45:00 PM	180.00	3.30	19.00	0.80	0.00	0.80	20.20	19.00	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:00:00 PM	187.00	4.10	17.80	0.90	0.00	0.90	19.90	17.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:15:00 PM	214.00	4.20	17.10	0.90	0.00	0.90	21.80	17.10	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:30:00 PM	208.00	4.90	16.70	0.90	0.00	0.90	22.60	16.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 4:45:00 PM	212.00	6.70	17.00	0.90	0.00	0.90	23.50	17.00	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2012 5:00:00 PM	215.00	3.														

Indiana Harbor and Canal
 Confined Disposal Facility
 Real-Time Air Monitoring Data
 7-1-12 to 7-31-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
7/31/2012 1:00:00 AM	203.00	1.60	25.20	1.50	0.00	1.50	35.80	25.20	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:15:00 AM	206.00	1.90	26.10	1.50	0.00	1.50	32.60	26.10	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:30:00 AM	210.00	2.10	26.70	1.50	0.00	1.50	31.00	26.70	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:45:00 AM	233.00	2.70	26.90	1.50	0.00	1.50	28.30	26.90	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:00:00 AM	218.00	2.00	27.60	1.50	0.00	1.50	27.20	27.60	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:15:00 AM	210.00	2.00	28.70	1.50	0.00	1.50	26.80	28.70	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:30:00 AM	203.00	1.60	28.30	1.60	0.00	1.60	26.20	28.30	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:45:00 AM	217.00	2.40	28.40	1.60	0.00	1.60	27.00	28.40	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:00:00 AM	235.00	1.20	28.50	1.60	0.00	1.60	27.70	28.50	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:15:00 AM	214.00	1.80	28.50	1.60	0.00	1.60	27.70	28.50	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:30:00 AM	217.00	1.60	27.80	1.50	0.00	1.50	28.10	27.80	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:45:00 AM	215.00	1.00	27.50	1.60	0.00	1.60	27.90	27.50	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:00:00 AM	23.00	13.60	1.50	26.60	25.10	1.50	26.90	26.60	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:15:00 AM	188.00	2.20	25.70	1.50	0.00	1.50	25.40	25.70	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:30:00 AM	208.00	8.20	25.60	1.50	0.00	1.50	24.20	25.60	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:45:00 AM	174.00	4.00	23.70	28.80	5.10	1.50	23.70	25.30	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 5:00:00 AM	97.00	1.10	42.80	29.40	0.00	1.20	42.80	23.60	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 5:15:00 AM	146.00	2.10	10.60	16.60	6.00	0.60	10.60	18.60	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 5:30:00 AM	156.00	1.80	11.80	14.00	2.20	0.70	11.80	14.30	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 5:45:00 AM	169.00	3.00	13.90	16.80	2.90	0.80	13.90	17.40	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 6:00:00 AM	161.00	2.60	15.50	14.60	0.90	0.90	15.50	16.40	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 6:15:00 AM	175.00	3.30	12.80	14.90	2.10	0.90	12.80	16.60	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 6:30:00 AM	144.00	3.40	15.20	13.60	0.80	0.80	15.20	16.30	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 6:45:00 AM	173.00	3.10	16.20	14.60	0.80	0.80	16.20	16.90	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 7:00:00 AM	196.00	1.80	18.20	0.90	0.90	0.90	18.50	18.20	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 7:15:00 AM	206.00	2.50	17.70	1.10	0.00	1.10	23.10	17.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 7:30:00 AM	219.00	3.20	16.70	1.40	0.00	1.40	28.50	16.70	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 7:45:00 AM	236.00	3.10	22.20	1.30	0.00	1.30	29.50	22.20	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 8:00:00 AM	218.00	2.50	18.10	1.20	0.00	1.20	21.70	18.10	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 8:15:00 AM	229.00	2.40	16.70	1.00	0.00	1.00	17.40	16.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 8:30:00 AM	253.00	4.40	15.20	1.00	0.00	1.00	14.60	15.20	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 8:45:00 AM	271.00	3.80	15.50	14.80	0.00	1.00	14.80	14.60	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 9:00:00 AM	269.00	4.80	15.40	1.00	0.00	1.00	14.00	15.40	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 9:15:00 AM	275.00	5.00	19.00	15.10	0.00	1.10	15.10	15.70	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 9:30:00 AM	243.00	4.00	16.90	1.20	0.00	1.20	16.90	16.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 9:45:00 AM	260.00	4.40	17.40	1.30	0.00	1.30	16.00	17.40	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 10:00:00 AM	251.00	5.40	15.30	1.20	0.00	1.20	13.10	15.30	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 10:15:00 AM	268.00	3.00	13.90	1.20	0.00	1.20	12.90	13.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 10:30:00 AM	5.00	4.90	1.20	14.30	13.10	1.20	14.30	14.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 10:45:00 AM	20.00	6.40	1.40	14.00	12.60	1.40	15.00	14.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 11:00:00 AM	3.00	6.10	1.40	13.90	12.50	1.40	14.90	13.90	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 11:15:00 AM	6.00	7.40	1.50	15.10	13.60	1.50	17.00	15.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 11:30:00 AM	19.00	5.30	1.70	16.40	14.70	1.70	19.10	16.40	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 11:45:00 AM	12.00	5.30	1.70	17.00	15.30	1.70	20.20	17.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 12:00:00 PM	9.00	5.90	1.70	16.90	15.20	1.70	20.00	16.90	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 12:15:00 PM	13.00	6.00	1.40	14.00	12.60	1.40	14.80	14.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 12:30:00 PM	1.00	6.70	1.60	13.50	11.90	1.60	12.50	13.50	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 12:45:00 PM	23.00	5.60	1.60	13.50	11.90	1.60	14.50	13.50	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:00:00 PM	13.00	6.60	1.60	13.30	11.70	1.60	11.80	13.30	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:15:00 PM	7.00	6.50	0.00	13.10	0.00	0.00	11.40	13.10	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:30:00 PM	17.00	5.70	0.00	12.40	0.00	0.00	9.70	12.40	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 1:45:00 PM	25.00	8.50	0.00	12.40	0.00	0.00	11.30	12.40	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:00:00 PM	44.00	7.60	0.00	12.60	0.00	0.00	11.50	12.60	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:15:00 PM	27.00	7.50	0.00	12.20	0.00	0.00	11.90	12.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:30:00 PM	53.00	5.80	0.00	12.50	0.00	0.00	12.80	12.50	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 2:45:00 PM	47.00	9.20	0.00	13.00	0.00	0.00	13.90	13.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:00:00 PM	52.00	8.20	0.00	12.80	0.00	0.00	13.20	12.80	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:15:00 PM	41.00	4.60	0.00	14.30	0.00	0.00	13.80	14.30	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:30:00 PM	51.00	6.00	0.00	15.90	0.00	0.00	12.90	15.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 3:45:00 PM	40.00	4.90	0.00	15.40	0.00	0.00	11.90	15.40	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:00:00 PM	27.00	7.80	0.00	13.30	0.00	0.00	11.30	13.30	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:15:00 PM	56.00	6.50	0.00	14.00	0.00	0.00	12.30	14.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:30:00 PM	47.00	5.50	0.00	12.70	0.00	0.00	12.10	12.70	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 4:45:00 PM	62.00	5.80	0.00	12.00	0.00	0.00	11.80	12.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2012 5:00:00 PM	36.00	5.60	0.00	11.90	0.00	0												