

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/19/2012 12:15:00 AM		2.40	33.40	39.40	6.00	39.40	45.60	33.40	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:30:00 AM		174.00	2.70	43.60	35.90	0.00	39.40	43.60	31.80	35.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:45:00 AM		172.00	2.20	38.60	33.70	0.00	40.80	38.60	32.10	33.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:00:00 AM		177.00	3.20	39.00	32.70	0.00	37.00	39.00	32.70	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:15:00 AM		178.00	2.40	38.30	33.00	0.00	36.00	38.30	32.70	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:30:00 AM		188.00	2.70	33.10	36.10	3.00	36.10	39.80	33.10	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:45:00 AM		179.00	2.70	39.10	34.50	0.00	37.20	39.10	33.40	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:00:00 AM		182.00	2.00	34.60	35.50	0.90	35.50	39.40	34.60	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:15:00 AM		177.00	2.50	39.50	34.80	0.00	31.50	39.50	35.00	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:30:00 AM		182.00	2.90	35.50	30.00	0.00	30.00	39.20	35.50	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:45:00 AM		159.00	2.70	40.10	35.10	0.00	30.30	40.10	36.90	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:00:00 AM		175.00	2.70	41.10	37.20	0.00	31.70	41.10	36.60	37.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:15:00 AM		173.00	2.60	39.60	37.60	0.00	31.70	39.60	37.10	37.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:30:00 AM		182.00	2.60	38.00	33.00	0.00	33.00	39.60	38.00	37.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:45:00 AM		163.00	2.20	39.80	37.30	0.00	32.60	39.80	40.10	37.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:00:00 AM		168.00	2.50	40.00	37.20	0.00	33.20	40.00	39.80	37.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:15:00 AM		160.00	2.20	40.50	36.90	0.00	33.50	40.50	38.20	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:30:00 AM		155.00	3.20	40.50	37.80	0.00	33.30	40.50	36.90	37.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:45:00 AM		165.00	2.50	43.30	38.50	0.00	37.80	43.30	37.00	38.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 5:00:00 AM		177.00	2.30	46.80	43.00	0.00	47.00	46.80	38.10	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 5:15:00 AM		174.00	3.00	52.90	44.90	0.00	37.70	52.90	38.60	44.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 5:30:00 AM		162.00	2.60	53.80	49.60	0.00	35.30	53.80	39.10	49.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 5:45:00 AM		157.00	3.40	43.20	42.00	0.00	50.80	43.20	41.10	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 6:00:00 AM		185.00	3.20	39.90	35.40	0.00	35.40	54.80	39.90	41.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 6:15:00 AM		178.00	4.90	56.60	45.60	0.00	33.70	56.60	38.40	45.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 6:30:00 AM		178.00	3.40	67.00	39.40	0.00	33.40	67.00	37.90	39.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 6:45:00 AM		185.00	3.00	36.70	33.30	0.00	33.30	48.80	36.70	41.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 7:00:00 AM		183.00	3.70	34.90	33.50	0.00	33.50	55.70	34.90	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 7:15:00 AM		184.00	5.30	34.50	32.00	0.00	32.00	40.30	34.50	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 7:30:00 AM		175.00	4.20	40.20	29.00	0.00	30.40	40.20	33.80	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 7:45:00 AM		175.00	4.40	42.00	32.10	0.00	30.80	42.00	30.60	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 8:00:00 AM		185.00	4.30	27.90	31.60	3.70	31.60	43.30	27.90	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 8:15:00 AM		195.00	3.20	27.20	32.30	5.10	32.30	44.10	27.20	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 8:30:00 AM		177.00	3.60	42.00	28.40	0.00	33.80	42.00	26.50	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 8:45:00 AM		202.00	2.60	26.70	29.20	2.60	29.20	41.30	26.70	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 9:00:00 AM		182.00	3.70	25.60	29.00	3.40	29.00	39.50	25.60	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 9:15:00 AM		195.00	5.00	25.90	29.00	3.10	29.00	38.80	25.90	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 9:30:00 AM		172.00	6.70	42.70	21.90	0.00	28.90	42.70	25.70	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 9:45:00 AM		214.00	4.70	23.70	32.30	8.60	32.30	45.00	23.70	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 10:00:00 AM		188.00	4.60	23.10	33.80	10.70	33.80	45.10	23.10	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 10:15:00 AM		191.00	4.30	22.20	29.30	7.10	29.30	38.60	22.20	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 10:30:00 AM		211.00	4.00	23.00	30.00	7.00	30.00	40.30	23.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 10:45:00 AM		174.00	3.10	40.20	20.60	0.00	28.40	40.20	23.20	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 11:00:00 AM		182.00	4.20	24.40	29.90	5.50	29.90	42.60	24.40	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 11:15:00 AM		142.00	6.00	40.30	21.70	0.00	29.30	40.30	24.50	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 11:30:00 AM		159.00	4.80	42.60	22.90	0.00	29.00	42.60	25.10	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 11:45:00 AM		180.00	3.30	27.30	31.50	4.20	31.50	43.00	27.30	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:00:00 PM		189.00	6.60	28.70	33.10	4.40	33.10	44.70	28.70	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:15:00 PM		184.00	3.20	27.80	29.60	1.90	29.60	40.30	27.80	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:30:00 PM		177.00	5.60	36.80	22.00	0.00	28.90	36.80	24.90	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 12:45:00 PM		166.00	3.90	31.50	19.70	0.00	26.20	31.50	22.80	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:00:00 PM		169.00	6.20	29.20	19.50	0.00	25.50	29.20	22.00	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:15:00 PM		225.00	4.50	22.80	24.40	1.50	24.40	28.50	22.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:30:00 PM		177.00	5.20	30.20	21.30	0.00	25.80	30.20	24.40	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 1:45:00 PM		205.00	5.60	26.20	27.90	1.70	27.90	29.60	26.20	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:00:00 PM		210.00	5.50	26.90	29.30	2.40	29.30	32.80	26.90	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:15:00 PM		192.00	3.90	26.60	29.70	3.10	29.70	31.00	26.60	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:30:00 PM		161.00	5.50	28.70	24.20	0.00	30.80	28.70	27.20	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 2:45:00 PM		178.00	1.90	28.60	25.00	0.00	32.80	28.60	28.60	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:00:00 PM		144.00	4.80	28.40	24.70	0.00	30.20	28.40	28.40	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:15:00 PM		172.00	5.40	27.50	25.90	0.00	30.70	27.50	28.70	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:30:00 PM		211.00	4.20	28.90	35.00	6.20	35.00	29.40	28.90	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 3:45:00 PM		173.00	4.10	26.60	26.10	0.00	32.70	26.60	29.30	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:00:00 PM		169.00	4.10	27.70	26.60	0.00	31.70	27.70	29.00	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:15:00 PM		139.00	4.90	26.80	27.00	0.20	31.80	26.80	30.30	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/19/2012 4:30:00 PM		172.00	5.50	25.60	25.80	0.20</												

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/20/2012 1:00:00 AM	171.00	3.40	48.40	36.40	0.00	33.90	48.40	37.20	36.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:15:00 AM	187.00	2.90	36.60	33.20	0.00	33.20	48.30	36.60	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:30:00 AM	201.00	3.10	35.80	33.80	0.00	33.80	49.40	35.80	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:45:00 AM	197.00	3.30	37.10	35.50	0.00	35.50	49.70	37.10	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:00:00 AM	187.00	2.60	37.40	33.90	0.00	33.90	49.20	37.40	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:15:00 AM	176.00	3.90	48.60	37.40	0.00	34.40	48.60	37.80	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:30:00 AM	189.00	2.60	37.70	33.80	0.00	33.80	49.10	37.70	37.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:45:00 AM	180.00	2.60	35.80	34.60	0.00	34.60	48.30	35.80	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:00:00 AM	172.00	2.90	47.20	35.10	0.00	33.10	47.20	34.90	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:15:00 AM	179.00	3.30	50.00	33.10	0.00	33.70	50.00	34.70	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:30:00 AM	171.00	4.20	53.30	32.90	0.00	36.80	53.30	34.80	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:45:00 AM	180.00	2.60	34.30	35.40	1.10	35.40	49.30	34.30	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:00:00 AM	196.00	2.50	40.10	32.10	0.00	32.10	47.10	40.10	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:15:00 AM	181.00	3.00	45.60	32.90	0.00	32.90	47.90	45.60	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:30:00 AM	184.00	3.20	45.00	33.60	0.00	33.60	48.80	45.00	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:45:00 AM	158.00	2.70	49.20	34.40	0.00	33.60	49.20	36.40	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 5:00:00 AM	168.00	2.90	50.10	35.30	0.00	33.60	50.10	38.60	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 5:15:00 AM	171.00	2.90	49.80	38.40	0.00	36.00	49.80	47.70	38.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 5:30:00 AM	185.00	2.80	38.80	33.40	0.00	33.40	50.70	38.80	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 5:45:00 AM	184.00	2.70	37.00	33.40	0.00	33.40	51.30	37.00	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 6:00:00 AM	201.00	3.10	40.70	33.00	0.00	33.00	50.10	40.70	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 6:15:00 AM	175.00	2.70	50.70	35.30	0.00	33.80	50.70	39.30	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 6:30:00 AM	203.00	3.20	37.90	34.50	0.00	34.50	50.30	37.90	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 6:45:00 AM	202.00	2.90	38.40	33.90	0.00	33.90	50.40	38.40	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 7:00:00 AM	166.00	4.00	49.50	35.00	0.00	33.40	49.50	39.10	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 7:15:00 AM	157.00	3.40	62.10	34.30	0.00	33.60	62.10	36.70	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 7:30:00 AM	198.00	4.00	36.80	34.10	0.00	34.10	53.90	36.80	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 7:45:00 AM	192.00	3.60	37.30	34.80	0.00	34.80	49.10	37.30	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 8:00:00 AM	220.00	4.90	37.10	35.90	0.00	35.90	49.00	37.10	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 8:15:00 AM	220.00	4.30	37.30	35.10	0.00	35.10	47.40	37.30	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 8:30:00 AM	191.00	4.60	36.60	33.40	0.00	33.40	45.00	36.60	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 8:45:00 AM	186.00	3.20	34.50	32.30	0.00	32.30	43.10	34.50	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 9:00:00 AM	187.00	5.40	33.40	32.00	0.00	32.00	41.00	33.40	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 9:15:00 AM	176.00	3.50	39.80	30.50	0.00	31.20	39.80	33.20	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 9:30:00 AM	204.00	2.30	32.20	32.20	0.00	32.20	38.20	32.20	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 9:45:00 AM	177.00	5.90	37.10	29.50	0.00	33.60	37.10	32.70	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 10:00:00 AM	195.00	6.20	32.90	33.60	0.70	33.60	35.60	32.90	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 10:15:00 AM	172.00	6.70	33.30	27.90	0.00	32.90	33.30	31.40	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 10:30:00 AM	192.00	7.00	30.90	32.00	1.10	32.00	32.90	30.90	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 10:45:00 AM	202.00	6.30	30.90	31.70	0.80	31.70	32.40	30.90	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 11:00:00 AM	214.00	4.90	30.40	31.70	1.30	31.70	31.60	30.40	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 11:15:00 AM	185.00	5.90	30.20	31.40	1.20	31.40	30.10	30.20	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 11:30:00 AM	0.00	0.00	0.00	0.00	0.00	31.80	29.70	29.70	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 11:45:00 AM	211.00	6.10	29.40	32.20	2.80	32.20	29.00	29.40	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 12:00:00 PM	209.00	6.90	34.80	32.10	0.00	32.10	28.50	34.80	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 12:15:00 PM	228.00	4.40	34.40	33.80	0.00	33.80	29.40	34.40	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 12:30:00 PM	210.00	6.20	31.50	33.70	2.20	33.70	29.10	31.50	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 12:45:00 PM	197.00	10.40	32.10	33.20	1.10	33.20	28.70	32.10	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:00:00 PM	211.00	6.10	33.50	35.20	1.80	35.20	30.00	33.50	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:15:00 PM	190.00	6.50	35.20	35.70	0.50	35.70	30.30	35.20	39.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:30:00 PM	213.00	5.50	35.90	39.20	3.40	39.20	31.50	35.90	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 1:45:00 PM	203.00	4.40	38.80	42.10	3.30	42.10	31.60	38.80	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:00:00 PM	204.00	8.50	38.30	42.40	4.10	42.40	31.20	38.30	35.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:15:00 PM	222.00	7.10	40.90	41.00	0.10	41.00	31.90	40.90	41.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:30:00 PM	216.00	5.50	39.50	41.90	2.40	41.90	29.80	39.50	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 2:45:00 PM	214.00	7.40	38.60	39.90	1.30	39.90	31.00	38.60	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:00:00 PM	229.00	7.30	43.80	44.50	0.70	44.50	35.80	43.80	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:15:00 PM	193.00	5.80	43.00	43.50	0.50	43.50	33.60	43.00	39.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:30:00 PM	218.00	4.70	43.30	43.80	0.40	43.80	34.20	43.30	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 3:45:00 PM	0.00	0.00	0.00	0.00	0.00	44.30	35.90	43.10	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:00:00 PM	219.00	4.40	42.30	42.80	0.50	42.80	34.80	42.30	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:15:00 PM	174.00	4.80	44.00	37.70	0.00	47.80	44.00	44.70	37.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:30:00 PM	224.00	4.30	42.20	40.10	0.00	40.10	36.90	42.20	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/20/2012 4:45:00 PM	235.00	4.80	44.50	44.10	0.00	44.10	38.70	44.50	39.80	0.00	0.00	0.00						

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/21/2012 1:45:00 AM	321.00	2.70	7.80	11.00	3.20	7.70	11.00	9.50	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 2:00:00 AM	328.00	4.50	7.30	10.80	3.50	7.60	10.80	9.30	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 2:15:00 AM	331.00	4.30	7.70	11.80	4.10	7.90	11.80	9.60	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 2:30:00 AM	345.00	2.70	9.50	14.50	5.00	9.00	14.50	10.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 2:45:00 AM	348.00	2.50	7.90	13.80	5.80	8.90	13.80	11.40	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 3:00:00 AM	342.00	2.60	8.00	11.20	3.20	7.70	11.20	8.90	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 3:15:00 AM	354.00	6.80	6.80	11.60	4.70	7.50	11.60	10.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 3:30:00 AM	359.00	9.80	6.50	11.30	4.80	6.80	11.30	8.70	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 3:45:00 AM	18.00	6.90	7.30	7.30	0.10	7.30	8.20	7.30	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 4:00:00 AM	18.00	6.50	10.80	7.40	0.00	10.80	7.80	7.40	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 4:15:00 AM	35.00	5.10	6.40	6.90	0.50	6.40	6.60	6.90	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 4:30:00 AM	2.00	9.40	6.60	5.40	0.00	6.60	7.10	5.40	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 4:45:00 AM	5.00	7.30	6.60	5.50	0.00	6.60	8.80	5.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 5:00:00 AM	8.00	6.90	8.10	5.40	0.00	8.10	11.60	5.40	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 5:15:00 AM	20.00	8.60	8.80	7.10	0.00	8.80	10.50	7.10	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 5:30:00 AM	25.00	7.60	16.60	7.50	0.00	16.60	18.30	7.50	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 5:45:00 AM	11.00	8.10	11.10	7.40	0.00	11.10	13.10	7.40	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 6:00:00 AM	2.00	8.30	9.50	7.20	0.00	9.50	12.00	7.20	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 6:15:00 AM	7.00	11.40	9.60	6.60	0.00	9.60	13.00	6.60	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 6:30:00 AM	2.00	10.20	9.50	5.60	0.00	9.50	9.10	5.60	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 6:45:00 AM	8.00	9.50	10.30	3.20	0.00	10.30	7.00	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 7:00:00 AM	1.00	7.10	2.50	2.70	0.20	2.50	3.20	2.70	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 7:15:00 AM	358.00	9.20	3.20	3.10	0.00	3.20	3.10	2.50	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 7:30:00 AM	6.00	8.00	3.00	2.90	0.00	3.00	3.40	2.90	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 7:45:00 AM	5.00	7.70	3.40	3.20	0.00	3.40	2.90	3.20	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 8:00:00 AM	12.00	7.50	4.10	3.40	0.00	4.10	3.10	3.40	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 8:15:00 AM	11.00	7.90	5.00	4.20	0.00	5.00	4.00	4.20	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 8:30:00 AM	12.00	8.60	5.40	4.20	0.00	5.40	4.20	4.20	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 8:45:00 AM	17.00	10.90	6.10	4.40	0.00	6.10	5.50	4.40	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 9:00:00 AM	24.00	10.40	9.10	5.10	0.00	9.10	8.90	5.10	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 9:15:00 AM	20.00	9.60	8.60	4.80	0.00	8.60	8.90	4.80	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 9:30:00 AM	14.00	8.60	15.50	4.10	0.00	15.50	5.90	4.10	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 9:45:00 AM	33.00	7.20	8.60	5.40	0.00	8.60	4.60	5.40	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 10:00:00 AM	38.00	8.00	8.60	6.10	0.00	8.60	5.30	6.10	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 10:15:00 AM	20.00	9.00	10.30	7.40	0.00	10.30	4.30	7.40	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 10:30:00 AM	14.00	8.70	8.10	9.10	1.00	8.10	4.20	9.10	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 10:45:00 AM	22.00	10.70	8.60	7.50	0.00	8.60	6.30	7.50	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 11:00:00 AM	19.00	9.80	7.80	7.90	0.00	7.80	4.80	7.90	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 11:15:00 AM	46.00	7.70	7.30	9.50	2.30	7.30	4.70	9.50	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 11:30:00 AM	27.00	8.40	11.80	10.90	0.00	11.80	6.30	10.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/21/2012 11:45:00 AM	5.00	9.20	13.90	8.40	0.00	13.90	0.00	8.40	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 12:15:00 AM	0.00	4.50	7.40	9.50	2.10	7.40	12.60	9.50	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 12:30:00 AM	13.00	6.10	6.20	8.80	2.70	6.20	10.50	8.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 12:45:00 AM	21.00	5.80	5.80	8.20	2.40	5.80	10.10	8.20	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 1:00:00 AM	15.00	3.40	5.50	7.50	2.00	5.50	11.90	7.50	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 1:15:00 AM	7.00	3.20	5.90	6.60	0.70	5.90	12.60	6.60	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 1:30:00 AM	4.00	3.60	8.10	7.00	0.00	8.10	15.90	7.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 1:45:00 AM	4.00	4.80	9.20	7.00	0.00	9.20	17.00	7.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 2:00:00 AM	15.00	3.60	11.00	6.90	0.00	11.00	16.60	6.90	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 2:15:00 AM	21.00	5.20	9.30	8.00	0.00	9.30	12.80	8.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 2:30:00 AM	22.00	6.60	10.10	7.40	0.00	10.10	16.80	7.40	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 2:45:00 AM	19.00	5.30	7.30	8.90	1.60	7.30	15.20	8.90	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 3:00:00 AM	24.00	5.20	8.10	8.70	0.60	8.10	14.40	8.70	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 3:15:00 AM	31.00	5.20	7.20	8.60	1.50	7.20	14.90	8.60	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 3:30:00 AM	17.00	4.30	9.80	10.00	0.30	9.80	11.20	10.00	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 3:45:00 AM	36.00	2.60	6.70	9.00	2.30	6.70	10.20	9.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:00:00 AM	16.00	4.40	7.00	7.70	0.60	7.00	10.90	7.70	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:15:00 AM	37.00	3.10	8.20	6.40	0.00	8.20	10.10	6.40	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:30:00 AM	6.00	4.50	9.40	6.50	0.00	9.40	9.70	6.50	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:45:00 AM	13.00	3.70	9.90	5.50	0.00	9.90	9.80	5.50	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:00:00 AM	24.00	3.10	9.60	8.70	0.00	9.60	8.70	8.70	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:15:00 AM	4.00	2.90	8.90	6.70	0.00	8.90	9.10	6.70	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:30:00 AM	15.00	2.80	9.10	6.50	0.00	9.10	11.40	6.50	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:45:00 AM	15.00	2.60	9.40	7.40	0.00	9.40	11.80	7.40	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:00:00 AM	5.00	3.80	9.50	8.00	0.00	9.50	12.00	8.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:15:00 AM	19.00	4.10	10.20	9.40	0.00	10.20	12.40	9.40	10.00	0.00	0.00	0.00						

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/22/2012 4:15:00 PM	43.00	5.80	6.90	6.50	0.00	6.90	6.50	6.50	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:30:00 PM	36.00	6.30	6.70	6.80	0.10	6.70	4.40	6.80	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 4:45:00 PM	46.00	4.00	4.70	6.30	1.70	4.70	4.60	6.30	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:00:00 PM	40.00	5.20	4.70	6.60	1.90	4.70	4.50	6.60	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:15:00 PM	43.00	4.10	4.80	5.80	1.10	4.80	7.30	5.80	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:30:00 PM	55.00	4.70	6.10	6.40	0.30	6.10	9.90	6.40	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 5:45:00 PM	46.00	4.20	5.20	6.50	1.30	5.20	4.60	6.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:00:00 PM	55.00	3.60	5.00	7.50	2.50	5.00	4.80	7.50	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:15:00 PM	41.00	3.80	4.20	5.60	1.40	4.20	6.70	5.60	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:30:00 PM	33.00	3.40	4.40	4.30	0.00	4.40	7.10	4.30	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 6:45:00 PM	30.00	4.30	4.80	5.60	0.80	4.80	5.30	5.60	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 7:00:00 PM	47.00	4.30	4.80	5.70	0.90	4.80	3.80	5.70	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 7:15:00 PM	63.00	3.60	3.90	4.60	0.70	3.90	3.80	4.60	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 7:30:00 PM	70.00	3.40	3.70	5.00	1.30	3.70	4.90	5.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 7:45:00 PM	54.00	2.30	5.40	5.90	0.50	5.40	6.20	5.90	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 8:00:00 PM	101.00	2.80	7.80	7.80	0.00	8.80	7.80	8.90	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 8:15:00 PM	83.00	2.00	5.90	18.30	12.40	5.90	14.60	18.30	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 8:30:00 PM	124.00	3.20	11.20	7.80	0.00	13.70	11.20	14.20	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 8:45:00 PM	122.00	3.10	16.00	7.80	0.00	10.20	16.00	11.60	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 9:00:00 PM	103.00	2.00	17.80	7.80	0.00	10.60	17.80	14.80	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 9:15:00 PM	93.00	2.60	12.80	7.80	0.00	9.60	12.80	14.80	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 9:30:00 PM	108.00	4.00	8.50	0.00	0.00	11.20	8.50	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 9:45:00 PM	103.00	2.70	14.10	0.00	0.00	7.30	14.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 10:00:00 PM	76.00	2.50	5.40	14.50	9.10	5.40	12.50	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 10:15:00 PM	97.00	2.60	11.10	0.00	0.00	4.50	11.10	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 10:30:00 PM	112.00	2.50	7.40	0.00	0.00	3.80	7.40	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 10:45:00 PM	117.00	1.40	7.70	0.00	0.00	3.50	7.70	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 11:00:00 PM	143.00	3.00	11.90	0.00	0.00	2.90	11.90	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 11:15:00 PM	84.00	3.90	2.70	7.60	4.90	2.70	7.40	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 11:30:00 PM	114.00	2.10	9.70	0.00	0.00	2.70	9.70	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/22/2012 11:45:00 PM	94.00	1.70	53.00	0.00	0.00	2.90	53.00	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
05/23/2012	161.00	1.90	21.80	0.00	0.00	3.10	21.80	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 12:15:00 AM	175.00	1.70	21.30	0.00	0.00	0.00	21.30	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 12:30:00 AM	303.00	0.40	0.00	32.70	0.00	0.00	32.70	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 12:45:00 AM	243.00	0.20	7.60	0.00	0.00	0.00	28.40	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 1:00:00 AM	324.00	0.10	0.00	17.00	0.00	0.00	17.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 1:15:00 AM	203.00	0.30	6.90	0.00	0.00	0.00	25.20	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 1:30:00 AM	175.00	0.70	31.30	0.00	0.00	0.00	31.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 1:45:00 AM	159.00	0.70	31.00	0.00	0.00	0.00	31.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 2:00:00 AM	204.00	1.10	11.90	0.00	0.00	0.00	34.10	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 2:15:00 AM	188.00	1.20	12.80	0.00	0.00	0.00	35.50	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 2:30:00 AM	183.00	1.40	14.20	0.00	0.00	0.00	37.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 2:45:00 AM	192.00	1.40	14.70	0.00	0.00	0.00	47.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 3:00:00 AM	159.00	1.30	52.50	0.00	0.00	0.00	52.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 3:15:00 AM	192.00	1.00	14.40	0.00	0.00	0.00	41.70	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 3:30:00 AM	263.00	0.70	10.00	0.00	0.00	0.00	34.70	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 3:45:00 AM	278.00	1.40	0.00	27.60	0.00	0.00	27.60	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 4:00:00 AM	241.00	0.90	3.00	0.00	0.00	0.00	23.60	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 4:15:00 AM	200.00	0.70	3.10	0.00	0.00	0.00	19.80	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 4:30:00 AM	302.00	1.10	0.00	16.40	0.00	0.00	16.40	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 4:45:00 AM	304.00	1.30	0.00	19.50	0.00	0.00	19.50	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 5:00:00 AM	294.00	0.60	0.00	22.10	0.00	0.00	22.10	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 5:15:00 AM	207.00	0.80	5.80	0.00	0.00	0.00	24.10	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 5:30:00 AM	293.00	0.40	0.00	26.50	0.00	0.00	26.50	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 5:45:00 AM	301.00	0.60	0.00	26.20	0.00	0.00	26.20	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 6:00:00 AM	281.00	1.00	0.00	27.50	0.00	0.00	27.50	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 6:15:00 AM	248.00	0.50	3.30	0.00	0.00	0.00	28.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 6:30:00 AM	275.00	1.00	0.00	28.90	0.00	0.00	28.90	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 6:45:00 AM	14.00	0.80	0.00	5.30	0.00	0.00	30.90	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 7:00:00 AM	182.00	1.00	6.00	0.00	0.00	0.00	27.80	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 7:15:00 AM	189.00	0.90	4.70	0.00	0.00	0.00	24.60	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 7:30:00 AM	219.00	1.20	4.60	0.00	0.00	0.00	20.50	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 7:45:00 AM	182.00	2.00	4.60	0.00	0.00	0.00	20.40	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 8:00:00 AM	160.00	4.20	18.60	0.00	0.00	0.00	18.60	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 8:15:00 AM	164.00	2.20	22.00	0.00	0.00	0.00	22.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/23/2012 8:30:00 AM	162.00	1.70	25.80	0.00	0.00	0												

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/26/2012 7:15:00 PM	73.00	3.30	27.60	29.00	1.40	27.60	44.70	29.00	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 7:30:00 PM	51.00	8.00	24.00	27.80	3.80	24.00	42.60	27.80	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 7:45:00 PM	19.00	4.50	21.90	25.00	3.10	21.90	42.00	25.00	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 8:00:00 PM	54.00	5.20	34.10	31.80	0.00	34.10	48.30	31.80	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 8:15:00 PM	62.00	4.00	35.80	49.10	13.30	35.80	61.70	49.10	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 8:30:00 PM	57.00	4.20	41.90	54.30	12.40	41.90	87.90	54.30	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 8:45:00 PM	89.00	2.70	43.00	40.70	0.00	43.00	65.60	40.70	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 9:00:00 PM	80.00	1.90	26.20	30.60	4.40	26.20	36.80	30.60	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 9:15:00 PM	92.00	3.50	51.30	34.30	0.00	36.20	51.30	49.50	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 9:30:00 PM	79.00	6.40	97.60	46.40	0.00	97.60	43.40	46.40	56.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 9:45:00 PM	94.00	5.30	32.00	56.80	24.90	60.50	32.00	31.80	56.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 10:00:00 PM	71.00	2.80	29.70	23.00	0.00	29.70	29.60	23.00	54.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 10:15:00 PM	61.00	2.20	28.20	24.50	0.00	28.20	28.10	24.50	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 10:30:00 PM	79.00	3.10	25.80	18.50	0.00	25.80	21.70	18.50	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 10:45:00 PM	82.00	3.50	21.50	19.30	0.00	21.50	22.40	19.30	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 11:00:00 PM	147.00	2.70	24.00	37.50	13.60	24.50	24.00	19.50	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 11:15:00 PM	173.00	2.20	25.70	28.30	2.60	35.30	25.70	20.60	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 11:30:00 PM	140.00	4.80	26.70	31.00	4.30	37.40	26.70	24.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/26/2012 11:45:00 PM	132.00	3.70	27.10	27.00	0.00	21.90	27.10	21.20	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
05/27/2012	153.00	5.70	32.70	23.00	0.00	23.30	32.70	26.40	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 12:15:00 AM	140.00	4.90	33.00	25.10	0.00	26.20	33.00	27.60	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 12:30:00 AM	140.00	4.30	26.30	21.50	0.00	22.20	26.30	24.80	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 12:45:00 AM	145.00	3.60	24.30	20.70	0.00	20.00	24.30	21.80	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 1:00:00 AM	156.00	4.80	24.30	20.20	0.00	20.70	24.30	20.40	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 1:15:00 AM	130.00	4.50	25.70	21.60	0.00	21.30	25.70	20.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 1:30:00 AM	142.00	4.20	24.30	22.10	0.00	20.20	24.30	20.00	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 1:45:00 AM	175.00	4.00	22.70	20.80	0.00	19.50	22.70	19.60	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 2:00:00 AM	154.00	4.10	21.70	20.00	0.00	18.30	21.70	18.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 2:15:00 AM	159.00	5.30	21.20	19.10	0.00	18.70	21.20	19.00	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 2:30:00 AM	143.00	6.40	21.00	18.40	0.00	18.20	21.00	19.30	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 2:45:00 AM	180.00	6.30	19.10	18.30	0.00	18.30	21.10	19.10	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 3:00:00 AM	150.00	3.50	22.90	18.10	0.00	18.20	22.90	19.00	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 3:15:00 AM	162.00	5.20	23.10	19.00	0.00	18.30	23.10	18.80	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 3:30:00 AM	153.00	4.70	21.50	17.80	0.00	18.60	21.50	19.10	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 3:45:00 AM	165.00	3.80	26.10	18.70	0.00	19.20	26.10	19.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 4:00:00 AM	181.00	3.40	20.10	18.80	0.00	18.80	23.00	20.10	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 4:15:00 AM	168.00	4.50	22.80	19.00	0.00	19.60	22.80	22.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 4:30:00 AM	179.00	3.40	25.10	20.30	0.00	20.90	25.10	20.60	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 4:45:00 AM	159.00	3.80	30.40	22.80	0.00	20.70	30.40	19.60	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 5:00:00 AM	176.00	3.40	29.90	23.30	0.00	20.40	29.90	20.00	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 5:15:00 AM	154.00	3.60	33.50	24.10	0.00	20.90	33.50	20.10	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 5:30:00 AM	114.00	3.40	27.00	20.60	0.00	25.20	27.00	20.70	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 5:45:00 AM	124.00	2.00	26.00	19.70	0.00	22.90	26.70	21.20	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 6:00:00 AM	113.00	2.20	29.20	20.30	0.00	26.90	29.20	21.40	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 6:15:00 AM	119.00	3.20	38.50	25.60	0.00	23.90	38.50	22.30	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 6:30:00 AM	125.00	2.60	33.30	24.80	0.00	25.00	33.30	25.20	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 6:45:00 AM	148.00	3.70	32.90	24.80	0.00	25.00	32.90	25.50	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 7:00:00 AM	155.00	2.90	36.20	29.70	0.00	32.30	36.20	26.20	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 7:15:00 AM	168.00	3.90	40.20	32.00	0.00	33.10	40.20	30.30	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 7:30:00 AM	178.00	4.50	39.20	33.30	0.00	35.50	39.20	34.80	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 7:45:00 AM	174.00	3.90	32.20	31.70	0.00	34.50	32.20	28.10	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 8:00:00 AM	186.00	4.70	27.50	29.70	2.20	29.70	30.00	27.50	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 8:15:00 AM	196.00	4.60	31.60	31.30	0.00	31.30	32.90	31.60	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 8:30:00 AM	197.00	6.20	30.10	34.30	4.20	34.30	33.60	30.10	31.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 8:45:00 AM	192.00	5.80	31.20	32.80	1.60	32.80	31.60	31.20	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 9:00:00 AM	224.00	7.00	32.80	33.30	0.50	33.30	31.20	32.80	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 9:15:00 AM	217.00	5.30	34.00	36.90	2.90	36.90	31.30	34.00	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 9:30:00 AM	190.00	3.60	35.00	37.70	2.70	37.70	30.40	35.00	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 9:45:00 AM	171.00	4.10	29.50	35.70	6.20	38.80	29.50	35.50	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 10:00:00 AM	208.00	5.30	35.20	39.70	4.50	39.70	30.50	35.20	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 10:15:00 AM	236.00	5.10	35.70	39.60	3.90	39.60	31.00	35.70	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 10:30:00 AM	261.00	3.50	35.20	39.80	4.60	39.80	32.90	35.20	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 10:45:00 AM	224.00	3.90	35.40	39.70	4.20	39.70	33.20	35.40	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/27/2012 11:00:00 AM	239.00	4.40	32.80	37.20	4.40	37.20	31.90	32.80	33.20	0.00	0.00	0.00	0.0					

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/29/2012 9:30:00 PM	348.00	1.80	30.60	24.40	0.00	33.50	24.40	27.40	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 9:45:00 PM	343.00	2.00	24.70	22.60	0.00	28.20	22.60	23.30	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 10:00:00 PM	338.00	3.90	26.50	20.40	0.00	28.50	20.40	21.70	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 10:15:00 PM	333.00	3.30	22.90	19.70	0.00	31.90	19.70	21.80	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 10:30:00 PM	320.00	2.70	22.10	18.20	0.00	28.70	18.20	21.20	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 10:45:00 PM	327.00	2.20	21.30	17.60	0.00	26.80	17.60	19.70	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 11:00:00 PM	323.00	2.00	21.10	16.70	0.00	24.30	16.70	19.20	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 11:15:00 PM	348.00	2.00	22.80	16.40	0.00	20.60	16.40	17.60	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 11:30:00 PM	4.00	4.00	17.40	17.50	0.10	17.40	15.10	17.50	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/29/2012 11:45:00 PM	359.00	4.10	19.30	15.60	0.00	15.90	15.60	18.00	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
05/30/2012	352.00	3.10	21.00	16.60	0.00	15.10	16.60	19.30	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:15:00 AM	355.00	2.90	20.80	16.30	0.00	14.90	16.30	19.20	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:30:00 AM	325.00	1.70	16.70	14.10	0.00	14.10	14.10	20.50	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:45:00 AM	354.00	2.90	13.10	11.40	0.00	12.70	11.40	16.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:00:00 AM	327.00	1.00	14.50	11.60	0.00	11.80	11.60	15.30	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:15:00 AM	315.00	1.90	12.80	10.70	0.00	10.20	10.70	13.30	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:30:00 AM	292.00	1.50	11.20	10.10	0.00	9.80	10.10	12.30	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:45:00 AM	300.00	1.60	11.70	11.60	0.00	8.60	11.60	12.80	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 2:00:00 AM	336.00	1.40	11.90	11.10	0.00	9.30	11.10	11.70	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 2:15:00 AM	350.00	2.80	13.90	11.90	0.00	10.40	11.90	12.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 2:30:00 AM	340.00	2.50	15.60	12.50	0.00	13.40	12.50	14.10	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 2:45:00 AM	337.00	2.70	16.50	14.50	0.00	12.90	14.50	16.70	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 3:00:00 AM	332.00	1.40	19.70	15.10	0.00	15.10	15.10	16.60	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 3:15:00 AM	249.00	1.80	16.50	10.90	0.00	10.90	12.40	16.50	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 3:30:00 AM	234.00	1.20	13.60	9.10	0.00	9.10	11.40	13.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 3:45:00 AM	198.00	1.10	16.10	8.20	0.00	8.20	11.90	16.10	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 4:00:00 AM	249.00	1.70	13.30	7.60	0.00	7.60	11.80	13.30	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 4:15:00 AM	213.00	1.10	16.10	8.10	0.00	8.10	13.60	16.10	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 4:30:00 AM	210.00	1.70	16.80	11.30	0.00	11.30	18.30	16.80	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 4:45:00 AM	222.00	2.10	15.10	14.20	0.00	14.20	23.40	15.10	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 5:00:00 AM	212.00	1.20	15.00	14.90	0.00	14.90	21.90	15.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 5:15:00 AM	257.00	1.00	16.80	15.50	0.00	15.50	28.00	16.80	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 5:30:00 AM	212.00	2.00	18.10	19.30	1.20	19.30	28.70	18.10	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 5:45:00 AM	326.00	2.30	24.80	28.10	3.30	19.40	28.10	15.90	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 6:00:00 AM	261.00	2.20	14.80	16.40	1.60	16.40	25.50	14.80	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 6:15:00 AM	322.00	2.10	31.30	26.40	0.00	14.20	26.40	15.90	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 6:30:00 AM	260.00	2.20	18.70	15.20	0.00	15.20	27.90	18.70	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 6:45:00 AM	266.00	2.90	21.90	18.10	0.00	18.10	33.70	21.90	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 7:00:00 AM	291.00	2.60	34.00	33.70	0.00	22.00	33.70	23.60	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 7:15:00 AM	300.00	2.70	40.20	31.80	0.00	22.90	31.80	24.70	40.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 7:30:00 AM	311.00	2.20	27.50	30.10	2.60	27.40	30.10	23.50	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 7:45:00 AM	324.00	3.60	34.80	28.80	0.00	27.70	28.80	24.30	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 8:00:00 AM	295.00	3.30	27.80	32.40	4.60	29.90	32.40	28.30	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 8:15:00 AM	298.00	5.90	28.60	32.60	4.00	28.10	32.60	28.80	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 8:30:00 AM	313.00	4.50	28.50	33.80	5.40	22.10	33.80	29.00	28.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 8:45:00 AM	336.00	5.60	38.90	66.80	27.90	35.30	66.80	60.00	38.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 9:00:00 AM	301.00	4.90	50.90	56.90	6.00	46.40	56.90	44.30	50.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 9:15:00 AM	325.00	2.50	36.90	28.60	0.00	33.80	28.60	25.60	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 9:30:00 AM	299.00	4.90	30.90	20.40	0.00	27.80	20.40	20.40	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 9:45:00 AM	299.00	3.60	32.80	17.20	0.00	23.30	17.20	24.00	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:00:00 AM	285.00	4.00	22.30	17.70	0.00	19.20	17.70	20.80	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:15:00 AM	293.00	4.50	21.40	14.40	0.00	20.40	14.40	17.20	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:30:00 AM	316.00	7.10	17.40	14.60	0.00	25.90	14.60	18.10	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:45:00 AM	268.00	3.40	15.70	19.20	3.50	19.20	15.30	15.70	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:00:00 AM	284.00	5.60	15.80	13.70	0.00	14.60	13.70	17.00	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:15:00 AM	313.00	4.70	22.50	10.60	0.00	72.60	10.60	15.50	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:30:00 AM	329.00	5.40	71.80	14.20	0.00	23.70	14.20	17.90	71.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:45:00 AM	306.00	4.50	16.60	12.70	0.00	15.60	12.70	13.90	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:00:00 PM	298.00	4.40	23.10	15.20	0.00	17.50	15.20	16.60	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:15:00 PM	283.00	2.60	27.90	10.40	0.00	17.90	10.40	13.00	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:30:00 PM	6.00	4.00	20.40	16.70	0.00	20.40	15.50	16.70	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 12:45:00 PM	23.00	4.30	15.00	16.10	1.10	15.00	11.60	16.10	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:00:00 PM	40.00	4.60	14.10	15.60	1.50	14.10	14.20	15.60	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 1:15:00 PM	34.00	5.40	17.70	13.20	0.00	17.70	11.50	13.20	21.20	0.00	0.00	0.00	0.					

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-19-12 to 5-31-12

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		
5/30/2012 10:15:00 PM	44.00	5.50	6.40	6.10	0.00	6.40	11.00	6.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:30:00 PM	69.00	4.60	6.00	6.30	0.20	6.00	13.70	6.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 10:45:00 PM	56.00	6.50	5.10	5.60	0.50	5.10	7.00	5.60	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:00:00 PM	43.00	4.90	4.90	5.60	0.70	4.90	7.70	5.60	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:15:00 PM	49.00	6.10	7.60	6.90	0.00	7.60	7.40	6.90	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:30:00 PM	0.00	0.00	0.00	0.00	0.00	7.30	9.40	6.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/30/2012 11:45:00 PM	0.00	0.00	0.00	0.00	0.00	10.20	9.80	8.20	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
05/31/2012	46.00	6.20	8.50	6.70	0.00	8.50	8.10	6.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:15:00 AM	56.00	4.60	11.50	7.90	0.00	11.50	15.90	7.90	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:30:00 AM	43.00	3.10	8.30	9.20	1.00	8.30	8.10	9.20	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:45:00 AM	17.00	4.70	11.00	7.30	0.00	11.00	5.90	7.30	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:00:00 AM	48.00	3.50	2.60	6.40	3.80	2.60	3.70	6.40	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:15:00 AM	37.00	4.70	3.00	5.00	2.00	3.00	3.00	5.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:30:00 AM	23.00	5.20	3.60	4.90	1.30	3.60	2.80	4.90	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:45:00 AM	46.00	5.20	3.50	6.90	3.40	3.50	3.00	6.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:00:00 AM	41.00	7.00	2.90	3.90	1.00	2.90	3.20	3.90	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:15:00 AM	45.00	4.40	3.70	4.70	1.10	3.70	2.70	4.70	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:30:00 AM	47.00	6.20	4.60	5.30	0.70	4.60	3.00	5.30	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:45:00 AM	67.00	6.70	3.60	5.20	1.60	3.60	2.60	5.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 3:00:00 AM	45.00	5.80	3.30	3.90	0.60	3.30	3.30	3.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 3:15:00 AM	55.00	5.90	3.50	3.50	0.00	3.50	4.90	3.50	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 3:30:00 AM	43.00	7.30	6.10	4.20	0.00	6.10	5.60	4.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 3:45:00 AM	66.00	7.80	10.00	7.30	0.00	10.00	5.80	7.30	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 4:00:00 AM	50.00	4.10	10.40	7.10	0.00	10.40	6.50	7.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 4:15:00 AM	33.00	6.20	13.70	6.50	0.00	13.70	8.20	6.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 4:30:00 AM	40.00	10.10	13.40	13.10	0.00	13.40	11.60	13.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 4:45:00 AM	47.00	7.10	16.40	10.10	0.00	16.40	12.20	10.10	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 5:00:00 AM	61.00	9.40	9.30	10.30	1.00	9.30	12.20	10.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 5:15:00 AM	42.00	5.90	17.70	20.40	2.60	17.70	20.90	20.40	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 5:30:00 AM	52.00	6.90	19.30	15.90	0.00	19.30	17.40	15.90	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 5:45:00 AM	46.00	7.40	22.50	25.90	3.40	22.50	20.40	25.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 6:00:00 AM	54.00	6.70	13.00	15.70	2.70	13.00	19.60	15.70	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 6:15:00 AM	51.00	6.00	18.90	12.70	0.00	18.90	13.80	12.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 6:30:00 AM	63.00	9.10	13.10	9.90	0.00	13.10	11.10	9.90	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 6:45:00 AM	46.00	6.20	13.00	9.80	0.00	13.00	14.60	9.80	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 7:00:00 AM	57.00	8.20	15.30	12.60	0.00	15.30	13.40	12.60	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 7:15:00 AM	63.00	8.90	15.30	12.20	0.00	15.30	16.20	12.20	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 7:30:00 AM	40.00	5.70	14.80	12.00	0.00	14.80	14.00	12.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 7:45:00 AM	41.00	5.40	17.30	13.50	0.00	17.30	17.00	13.50	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 8:00:00 AM	40.00	5.60	19.60	13.90	0.00	19.60	18.60	13.90	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 8:15:00 AM	50.00	5.80	24.50	18.10	0.00	24.50	15.60	18.10	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 8:30:00 AM	60.00	4.80	26.80	14.10	0.00	26.80	23.70	14.10	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 8:45:00 AM	47.00	6.60	34.60	17.30	0.00	34.60	17.50	17.30	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 9:00:00 AM	53.00	3.60	19.50	13.60	0.00	19.50	13.70	13.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 9:15:00 AM	44.00	4.70	21.80	11.60	0.00	21.80	8.90	11.60	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 9:30:00 AM	47.00	7.20	25.90	11.60	0.00	25.90	18.80	11.60	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 9:45:00 AM	51.00	5.10	13.00	10.00	0.00	13.00	24.30	10.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 10:00:00 AM	35.00	5.20	35.10	31.60	0.00	35.10	24.80	31.60	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 10:15:00 AM	33.00	5.00	20.00	16.80	0.00	20.00	54.50	16.80	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 10:30:00 AM	42.00	6.00	23.80	21.50	0.00	23.80	33.70	21.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 10:45:00 AM	18.00	3.50	22.80	18.50	0.00	22.80	27.70	18.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 11:00:00 AM	35.00	7.20	28.60	30.60	2.10	28.60	25.70	30.60	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 11:15:00 AM	43.00	7.40	15.00	14.20	0.00	15.00	13.00	14.20	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 11:30:00 AM	21.00	6.00	9.50	7.00	0.00	9.50	11.00	7.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 11:45:00 AM	36.00	6.60	20.40	7.30	0.00	20.40	9.30	7.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:00:00 PM	27.00	7.10	4.40	5.30	0.90	4.40	4.60	5.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:15:00 PM	36.00	7.40	5.70	5.60	0.00	5.70	5.20	5.60	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:30:00 PM	22.00	5.90	17.20	7.20	0.00	17.20	5.60	7.20	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 12:45:00 PM	20.00	4.20	7.90	5.20	0.00	7.90	9.80	5.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:00:00 PM	33.00	5.20	7.40	5.90	0.00	7.40	13.70	5.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:15:00 PM	40.00	8.30	8.80	8.10	0.00	8.80	8.00	8.10	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:30:00 PM	34.00	7.70	5.80	6.20	0.30	5.80	8.80	6.20	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 1:45:00 PM	44.00	7.10	7.50	4.60	0.00	7.50	4.70	4.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:00:00 PM	34.00	4.00	3.80	5.70	1.90	3.80	4.80	5.70	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5/31/2012 2:15:00 PM	57.00	5.90	6.60	6.60	0.00	6.60	9.00	6.60	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates ($\mu\text{g}/\text{m}^3$)							Naphthalene ($\mu\text{g}/\text{m}^3$)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
5/31/2012 11:00:00 PM	54.00	5.40	6.70	4.10	0.00	6.70	5.60	4.10	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/2012 11:15:00 PM	51.00	7.90	7.40	5.80	0.00	7.40	7.40	5.80	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/2012 11:30:00 PM	40.00	6.10	8.60	7.10	0.00	8.60	6.70	7.10	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/2012 11:45:00 PM	49.00	8.00	10.20	8.30	0.00	10.20	7.40	8.30	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00