

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
06/01/2012	56.00	6.10	7.70	7.10	0.00	7.70	8.80	7.10	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:15:00 AM	49.00	5.80	6.50	5.70	0.00	6.50	10.20	5.70	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:30:00 AM	53.00	6.00	9.30	8.30	0.00	9.30	8.90	8.30	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:45:00 AM	62.00	7.40	9.00	6.10	0.00	9.00	7.80	6.10	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:00:00 AM	36.00	6.10	8.10	7.50	0.00	8.10	7.40	7.50	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:15:00 AM	46.00	5.20	9.10	7.60	0.00	9.10	13.20	7.60	4.40	0.00	0.00	0.00	0.00	0.00	0.30	0.00
6/1/2012 1:30:00 AM	35.00	7.00	9.90	8.00	0.00	9.90	10.60	8.00	5.70	0.00	0.10	0.10	0.00	0.00	0.10	0.00
6/1/2012 1:45:00 AM	49.00	7.30	6.40	6.80	0.40	6.40	8.20	6.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:00:00 AM	49.00	6.50	7.90	7.80	0.00	7.90	9.60	7.80	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:15:00 AM	41.00	6.10	5.80	5.70	0.00	5.80	8.00	5.70	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:30:00 AM	37.00	5.20	3.60	4.00	0.40	3.60	8.10	4.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:45:00 AM	45.00	8.30	3.20	3.30	0.00	3.20	7.00	3.30	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:00:00 AM	43.00	7.90	6.20	5.00	0.00	6.20	10.00	5.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:15:00 AM	51.00	8.90	5.50	5.30	0.00	5.50	7.20	5.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:30:00 AM	42.00	7.50	4.40	4.50	0.00	4.40	8.60	4.50	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:45:00 AM	34.00	7.70	4.00	4.20	0.20	4.00	7.20	4.20	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:00:00 AM	40.00	5.50	7.40	6.50	0.00	7.40	9.60	6.50	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:15:00 AM	32.00	9.70	5.70	6.30	0.60	5.70	7.60	6.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:30:00 AM	35.00	7.40	3.20	5.20	2.10	3.20	5.20	5.20	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:45:00 AM	23.00	9.10	2.90	6.10	3.10	2.90	4.50	6.10	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:00:00 AM	15.00	10.20	4.20	7.70	3.50	4.20	4.20	7.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:15:00 AM	16.00	9.60	3.70	6.20	2.50	3.70	4.00	6.20	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:30:00 AM	23.00	12.50	3.70	6.40	2.70	3.70	3.80	6.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:45:00 AM	19.00	8.90	3.80	5.40	1.60	3.80	3.60	5.40	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 6:00:00 AM	29.00	7.20	4.20	4.90	0.70	4.20	4.80	4.90	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 6:15:00 AM	0.00	8.90	4.90	4.50	0.00	4.90	4.30	4.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 6:30:00 AM	22.00	8.70	6.10	4.30	0.00	6.10	5.90	4.30	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 6:45:00 AM	6.00	11.10	10.00	4.90	0.00	10.00	6.20	4.90	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 7:00:00 AM	355.00	8.60	3.70	6.00	2.40	10.40	6.00	5.30	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 7:15:00 AM	17.00	7.90	9.70	6.00	0.00	9.70	5.60	6.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 7:30:00 AM	4.00	8.40	9.80	5.40	0.00	9.80	6.30	5.40	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 7:45:00 AM	2.00	8.20	6.20	5.60	0.00	6.20	5.00	5.60	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 8:00:00 AM	351.00	6.40	5.20	4.60	0.00	7.10	4.60	5.20	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 8:15:00 AM	357.00	8.30	6.50	5.40	0.00	6.70	5.40	5.20	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 8:30:00 AM	9.00	10.80	6.70	5.10	0.00	6.70	4.60	5.10	6.50	0.00	0.00	0.00	0.00	0.00	0.00	1.10
6/1/2012 8:45:00 AM	2.00	10.60	5.70	5.00	0.00	5.70	4.00	5.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 9:00:00 AM	7.00	11.30	4.10	4.40	0.30	4.10	2.80	4.40	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.50
6/1/2012 9:15:00 AM	9.00	10.70	4.20	3.70	0.00	4.20	2.80	3.70	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 9:30:00 AM	359.00	9.70	4.10	2.60	0.00	3.30	2.60	3.10	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 9:45:00 AM	9.00	9.50	4.00	2.80	0.00	4.00	2.70	2.80	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 10:00:00 AM	343.00	7.40	4.10	2.70	0.00	3.60	2.70	2.50	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 10:15:00 AM	354.00	10.50	4.80	2.90	0.00	3.50	2.90	3.00	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 10:30:00 AM	15.00	12.00	4.70	3.70	0.00	4.70	3.40	3.70	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 10:45:00 AM	0.00	7.60	5.00	4.30	0.00	5.00	3.80	4.30	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 11:00:00 AM	11.00	12.10	5.90	5.20	0.00	5.90	3.50	5.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 11:15:00 AM	4.00	9.80	5.40	5.30	0.00	5.40	3.40	5.30	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 11:30:00 AM	3.00	10.20	7.10	5.50	0.00	7.10	3.20	5.50	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 11:45:00 AM	14.00	10.10	8.80	6.30	0.00	8.80	3.60	6.30	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:00:00 PM	6.00	11.30	9.60	6.60	0.00	9.60	3.60	6.60	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:15:00 PM	0.00	8.20	10.60	7.60	0.00	10.60	3.40	7.60	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:30:00 PM	6.00	5.80	11.70	6.80	0.00	11.70	3.60	6.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 12:45:00 PM	8.00	9.10	11.90	8.00	0.00	11.90	3.50	8.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:00:00 PM	2.00	5.80	13.00	7.70	0.00	13.00	3.80	7.70	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:15:00 PM	14.00	10.30	13.40	8.80	0.00	13.40	4.70	8.80	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:30:00 PM	3.00	8.70	13.80	9.60	0.00	13.80	5.10	9.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 1:45:00 PM	14.00	12.70	12.80	10.20	0.00	12.80	5.20	10.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:00:00 PM	10.00	10.40	11.80	9.60	0.00	11.80	5.60	9.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:15:00 PM	15.00	9.40	9.20	9.30	0.10	9.20	4.30	9.30	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:30:00 PM	6.00	6.80	5.60	7.80	2.20	5.60	4.30	7.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 2:45:00 PM	6.00	6.00	5.40	7.50	2.10	5.40	4.40	7.50	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:00:00 PM	0.00	6.10	5.40	6.40	1.00	5.40	3.90	6.40	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:15:00 PM	5.00	6.10	6.20	5.40	0.00	6.20	4.40	5.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:30:00 PM	7.00	7.20	5.60	5.40	0.00	5.60	4.20	5.40	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 3:45:00 PM	358.00	7.30	11.30	4.80	0.00	8.00	4.80	4.90	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:00:00 PM	11.00	6.50	9.20	5.40	0.00	9.20	5.20	5.40	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:15:00 PM	14.00	7.90	8.50	4.30	0.00	8.50	5.20	4.30	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:30:00 PM	17.00	7.20	7.20	3.80	0.00	7.20	5.20	3.80	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 4:45:00 PM	6.00	7.10	8.10	3.20	0.00	8.10	7.10	3.20	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:00:00 PM	29.00	3.70	10.00	3.30	0.00	10.00	7.00	3.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2012 5:15:00 PM	14.00	5.50	11.40	3.50	0.00	11.40	8.60	3.50	7.30	0.00	0.00	0.00				



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6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/3/2012 1:30:00 AM	290.00	0.20	12.40	37.60	25.20	12.80	37.60	13.50	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 1:45:00 AM	0.00	0.00	0.00	0.00	0.00	13.00	37.40	12.50	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:00:00 AM	215.00	2.00	11.70	13.00	1.40	13.00	38.20	11.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:15:00 AM	218.00	2.10	11.00	13.10	2.10	13.10	38.40	11.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:30:00 AM	206.00	2.20	11.60	13.90	2.30	13.90	39.70	11.60	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:45:00 AM	215.00	1.70	12.70	14.10	1.30	14.10	38.40	12.70	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:00:00 AM	232.00	2.90	14.10	14.50	0.40	14.50	38.10	14.10	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:15:00 AM	234.00	2.10	14.80	14.90	0.10	14.90	34.20	14.80	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:30:00 AM	240.00	2.30	15.00	14.70	0.00	14.70	32.80	15.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:45:00 AM	244.00	2.90	14.90	13.70	0.00	13.70	32.60	14.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:00:00 AM	242.00	2.50	14.20	13.60	0.00	13.60	33.70	14.20	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:15:00 AM	250.00	2.40	14.10	14.90	0.70	14.90	33.40	14.10	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:30:00 AM	249.00	2.80	13.20	20.60	7.40	20.60	33.80	13.20	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:45:00 AM	239.00	3.10	12.10	36.00	23.90	36.00	33.90	12.10	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:00:00 AM	234.00	2.50	11.80	18.80	7.00	18.80	34.40	11.80	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:15:00 AM	256.00	3.60	12.10	15.50	3.50	15.50	34.50	12.10	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:30:00 AM	239.00	2.30	13.40	16.20	2.90	16.20	37.40	13.40	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:45:00 AM	243.00	2.70	14.70	16.50	1.80	16.50	38.70	14.70	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 6:00:00 AM	250.00	2.70	16.70	17.40	0.70	17.40	39.90	16.70	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 6:15:00 AM	252.00	3.00	18.00	17.90	0.00	17.90	41.70	18.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 6:30:00 AM	255.00	2.60	18.10	18.30	0.20	18.30	41.30	18.10	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 6:45:00 AM	262.00	3.20	17.50	18.60	1.20	18.60	41.80	17.50	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 7:00:00 AM	269.00	2.90	16.70	18.40	1.70	18.40	40.30	16.70	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 7:15:00 AM	254.00	3.70	16.10	18.60	2.50	18.60	39.80	16.10	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 7:30:00 AM	272.00	3.10	20.40	37.70	17.30	18.70	37.70	15.90	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 7:45:00 AM	276.00	1.50	18.90	36.00	17.10	18.40	36.00	15.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 8:00:00 AM	262.00	3.40	15.50	17.50	2.00	17.50	32.00	15.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 8:15:00 AM	252.00	3.80	15.20	16.60	1.40	16.60	28.20	15.20	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 8:30:00 AM	251.00	4.90	14.80	15.80	1.00	15.80	24.30	14.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 8:45:00 AM	272.00	2.30	14.20	21.50	7.30	15.20	21.50	14.60	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 9:00:00 AM	266.00	3.90	15.30	18.30	3.00	18.30	20.40	15.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 9:15:00 AM	256.00	3.30	14.60	15.70	1.10	15.70	18.20	14.60	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 9:30:00 AM	263.00	3.60	14.10	14.50	0.50	14.50	15.60	14.10	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 9:45:00 AM	283.00	2.40	14.80	13.00	0.00	13.20	13.00	13.40	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 10:00:00 AM	276.00	2.60	15.30	12.10	0.00	14.50	12.10	13.30	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 10:15:00 AM	258.00	4.40	13.30	15.10	1.80	15.10	11.60	13.30	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 10:30:00 AM	271.00	3.10	13.70	10.20	0.00	13.90	10.20	12.50	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 10:45:00 AM	306.00	3.70	13.60	8.20	0.00	14.80	8.20	12.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 11:00:00 AM	330.00	7.90	11.30	7.20	0.00	12.30	7.20	11.30	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 11:15:00 AM	289.00	5.20	11.20	7.50	0.00	12.90	7.50	11.10	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 11:30:00 AM	285.00	3.80	10.80	7.30	0.00	13.30	7.30	10.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 11:45:00 AM	331.00	4.40	10.20	6.60	0.00	12.70	6.60	9.70	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 12:00:00 PM	311.00	5.00	9.20	5.90	0.00	11.60	5.90	9.30	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 12:15:00 PM	241.00	6.50	8.60	11.20	2.70	11.20	5.40	8.60	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 12:30:00 PM	293.00	4.80	10.10	6.00	0.00	12.00	6.00	8.40	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 12:45:00 PM	310.00	3.90	11.60	6.40	0.00	14.40	6.40	9.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 1:00:00 PM	294.00	4.70	11.90	6.80	0.00	14.90	6.80	10.10	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 1:15:00 PM	277.00	3.60	12.20	6.50	0.00	15.60	6.50	10.60	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 1:30:00 PM	239.00	3.70	10.80	15.30	4.50	15.30	6.60	10.80	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 1:45:00 PM	235.00	4.30	10.90	15.90	5.00	15.90	6.10	10.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:00:00 PM	277.00	5.80	13.90	6.60	0.00	16.80	6.60	11.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:15:00 PM	279.00	2.70	12.90	6.70	0.00	15.60	6.70	11.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:30:00 PM	328.00	3.50	12.60	6.60	0.00	15.90	6.60	10.80	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 2:45:00 PM	334.00	2.90	14.10	6.50	0.00	16.10	6.50	11.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:00:00 PM	317.00	3.80	12.10	6.20	0.00	14.50	6.20	11.10	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:15:00 PM	260.00	3.00	10.90	14.50	3.60	14.50	6.00	10.90	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:30:00 PM	315.00	3.60	12.30	5.80	0.00	14.30	5.80	10.60	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 3:45:00 PM	320.00	4.50	13.00	6.20	0.00	14.30	6.20	11.30	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:00:00 PM	287.00	2.00	12.70	6.40	0.00	13.60	6.40	11.40	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:15:00 PM	282.00	2.80	12.30	6.80	0.00	12.60	6.80	10.90	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:30:00 PM	325.00	5.00	12.00	7.30	0.00	12.70	7.30	10.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 4:45:00 PM	313.00	2.80	11.10	7.20	0.00	11.40	7.20	10.40	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:00:00 PM	290.00	3.20	10.80	6.90	0.00	10.90	6.90	11.10	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:15:00 PM	287.00	3.20	11.10	7.20	0.00	9.50	7.20	10.40	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/3/2012 5:30:00 PM	314.00	0.90	10.30	6.80	0.													

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
6/4/2012 2:15:00 AM	296.00	2.70	10.00	15.40	5.40	9.60	15.40	8.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:30:00 AM	283.00	2.80	8.40	14.80	6.50	9.00	14.80	8.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:45:00 AM	350.00	1.70	6.50	15.10	8.60	6.80	15.10	9.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:00:00 AM	350.00	1.60	7.60	14.60	7.00	6.90	14.60	8.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:15:00 AM	318.00	2.00	6.80	13.60	6.90	6.00	13.60	7.40	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:30:00 AM	324.00	1.70	7.20	16.10	9.00	6.40	16.10	8.20	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:45:00 AM	354.00	3.10	8.90	19.50	10.60	7.90	19.50	8.80	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:00:00 AM	357.00	3.70	8.20	23.10	14.90	6.80	23.10	9.10	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:15:00 AM	2.00	5.50	5.80	8.40	2.60	5.80	19.50	8.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:30:00 AM	1.00	4.10	6.60	7.80	1.20	6.60	17.60	7.80	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:45:00 AM	359.00	8.50	6.60	16.80	10.30	9.10	16.80	8.30	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:00:00 AM	8.00	4.20	9.50	8.70	0.00	9.50	14.60	8.70	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:15:00 AM	5.00	5.10	9.50	9.00	0.00	9.50	14.60	9.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:30:00 AM	12.00	5.40	11.20	9.60	0.00	11.20	14.60	9.60	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:45:00 AM	3.00	5.10	10.60	9.70	0.00	10.60	15.80	9.70	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:00:00 AM	3.00	4.00	12.40	9.90	0.00	12.40	17.70	9.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:15:00 AM	357.00	1.90	9.40	16.80	7.40	10.20	16.80	10.60	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:30:00 AM	9.00	3.70	12.20	10.90	0.00	12.20	20.20	10.90	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:45:00 AM	353.00	4.40	8.70	18.70	10.00	12.20	18.70	10.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 7:00:00 AM	359.00	4.70	8.40	22.00	13.60	14.40	22.00	9.60	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 7:15:00 AM	4.00	5.50	9.80	9.10	0.00	9.80	15.70	9.10	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 7:30:00 AM	5.00	5.10	12.40	9.60	0.00	12.40	16.70	9.60	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 7:45:00 AM	12.00	5.10	13.90	8.20	0.00	13.90	21.50	8.20	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 8:00:00 AM	0.00	5.50	10.60	6.80	0.00	10.60	13.40	6.80	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 8:15:00 AM	24.00	3.90	7.70	6.60	0.00	7.70	13.00	6.60	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 8:30:00 AM	43.00	4.30	11.00	6.00	0.00	11.00	18.10	6.00	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 8:45:00 AM	17.00	5.90	13.10	6.00	0.00	13.10	17.30	6.00	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 9:00:00 AM	30.00	3.90	13.20	6.70	0.00	13.20	18.20	6.70	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 9:15:00 AM	28.00	2.60	11.20	6.50	0.00	11.20	17.40	6.50	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 9:30:00 AM	22.00	4.30	10.40	8.20	0.00	10.40	15.00	8.20	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 9:45:00 AM	36.00	6.70	11.40	12.60	1.20	11.40	14.90	12.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 10:00:00 AM	25.00	5.90	12.20	13.10	0.90	12.20	16.40	13.10	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 10:15:00 AM	31.00	5.00	11.50	9.50	0.00	11.50	13.70	9.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 10:30:00 AM	13.00	4.30	11.00	10.90	0.00	11.00	12.70	10.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 10:45:00 AM	37.00	5.90	10.00	9.90	0.00	10.00	14.60	9.90	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 11:00:00 AM	32.00	4.80	9.00	11.10	2.20	9.00	13.90	11.10	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 11:15:00 AM	32.00	3.90	9.90	10.80	0.90	9.90	14.60	10.80	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 11:30:00 AM	36.00	5.50	12.00	12.00	0.00	12.00	16.70	12.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 11:45:00 AM	48.00	4.90	9.90	10.10	0.20	9.90	13.80	10.10	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 12:00:00 PM	25.00	5.90	11.10	10.50	0.00	11.10	16.60	10.50	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 12:15:00 PM	24.00	4.80	11.40	12.30	0.90	11.40	17.50	12.30	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 12:30:00 PM	25.00	5.10	10.40	12.90	2.50	10.40	14.10	12.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 12:45:00 PM	24.00	5.10	0.00	13.80	0.00	0.00	14.30	13.80	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 1:00:00 PM	41.00	5.50	0.00	16.90	0.00	0.00	14.40	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 1:15:00 PM	41.00	4.90	0.00	15.00	0.00	0.00	13.30	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 1:30:00 PM	34.00	5.20	0.00	0.00	0.00	0.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 1:45:00 PM	38.00	5.40	0.00	0.00	0.00	0.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:00:00 PM	43.00	6.50	0.00	0.00	0.00	0.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:15:00 PM	10.00	5.60	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:30:00 PM	14.00	5.40	0.00	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 2:45:00 PM	13.00	6.90	0.00	0.00	0.00	0.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:00:00 PM	14.00	6.90	0.00	0.00	0.00	0.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:15:00 PM	17.00	6.00	0.00	0.00	0.00	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:30:00 PM	13.00	8.50	0.00	0.00	0.00	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 3:45:00 PM	18.00	7.30	0.00	0.00	0.00	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:00:00 PM	10.00	6.70	0.00	0.00	0.00	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:15:00 PM	12.00	9.00	0.00	0.00	0.00	0.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:30:00 PM	17.00	8.10	0.00	0.00	0.00	0.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 4:45:00 PM	16.00	6.20	0.00	0.00	0.00	0.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:00:00 PM	16.00	6.30	0.00	0.00	0.00	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:15:00 PM	16.00	7.20	0.00	0.00	0.00	0.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:30:00 PM	28.00	7.50	0.00	0.00	0.00	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 5:45:00 PM	31.00	5.50	0.00	0.00	0.00	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:00:00 PM	11.00	7.60	0.00	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:15:00 PM	8.00	7.80	0.00	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/4/2012 6:30:00 PM	10.00	7.00	0.00	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.0						



Indiana Harbor and Canal  
 Confined Disposal Facility  
 Real-Time Air Monitoring Data  
 6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/6/2012 3:45:00 AM	53.00	2.50	24.80	31.70	6.80	24.80	49.30	31.70	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:00:00 AM	43.00	1.20	17.00	19.30	2.30	17.00	43.40	19.30	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:15:00 AM	336.00	1.40	4.70	21.70	17.00	8.90	21.70	9.10	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:30:00 AM	4.00	1.80	7.20	7.00	0.00	7.20	15.00	7.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:45:00 AM	41.00	1.30	5.40	8.40	2.90	5.40	14.80	8.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:00:00 AM	326.00	1.40	21.40	18.80	0.00	15.40	18.80	10.20	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:15:00 AM	90.00	0.90	20.60	17.40	0.00	17.40	20.60	16.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:30:00 AM	355.00	1.30	10.90	24.20	13.30	22.00	24.20	17.10	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:45:00 AM	2.00	1.00	22.10	14.90	0.00	22.10	40.80	14.90	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:00:00 AM	48.00	2.80	11.80	11.20	0.00	11.80	18.60	11.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:15:00 AM	14.00	1.80	10.00	7.40	0.00	10.00	13.40	7.40	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:30:00 AM	3.00	1.00	7.10	8.00	0.90	7.10	13.70	8.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:45:00 AM	46.00	2.00	6.00	8.20	2.20	6.00	10.70	8.20	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:00:00 AM	316.00	1.60	7.00	10.80	3.80	5.90	10.80	7.40	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:15:00 AM	17.00	3.10	5.60	8.00	2.30	5.60	8.40	8.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:30:00 AM	18.00	4.50	6.80	8.10	1.20	6.80	9.40	8.10	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:45:00 AM	26.00	3.40	6.30	7.50	1.20	6.30	8.60	7.50	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 8:00:00 AM	51.00	3.30	7.40	6.90	0.00	7.40	9.50	6.90	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 8:15:00 AM	25.00	3.20	6.00	5.70	0.00	6.00	9.60	5.70	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 8:30:00 AM	52.00	1.90	5.90	6.30	0.40	5.90	9.10	6.30	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 8:45:00 AM	36.00	1.30	11.60	7.50	0.00	11.60	12.60	7.50	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 9:00:00 AM	40.00	3.60	11.80	9.00	0.00	11.80	12.40	9.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 9:15:00 AM	50.00	3.40	25.50	11.00	0.00	25.50	16.80	11.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 9:30:00 AM	38.00	3.50	14.40	16.20	1.80	14.40	21.40	16.20	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 9:45:00 AM	21.00	2.30	18.50	12.70	0.00	18.50	21.80	12.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 10:00:00 AM	22.00	3.30	23.60	16.10	0.00	23.60	23.00	16.10	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 10:15:00 AM	20.00	3.30	14.30	15.40	1.10	14.30	12.20	15.40	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 10:30:00 AM	44.00	3.80	12.70	14.40	1.70	12.70	22.50	14.40	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 10:45:00 AM	40.00	4.20	18.10	14.30	0.00	18.10	11.30	14.30	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 11:00:00 AM	34.00	4.70	19.40	15.70	0.00	19.40	12.10	15.70	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 11:15:00 AM	46.00	5.20	18.00	13.80	0.00	18.00	11.30	13.80	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 11:30:00 AM	42.00	4.20	17.70	11.50	0.00	17.70	13.00	11.50	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 11:45:00 AM	44.00	4.60	17.70	14.10	0.00	17.70	11.30	14.10	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 12:00:00 PM	42.00	3.80	21.50	14.20	0.00	21.50	14.80	14.20	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 12:15:00 PM	37.00	5.80	25.20	15.20	0.00	25.20	12.30	15.20	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 12:30:00 PM	41.00	5.20	21.70	15.30	0.00	21.70	11.40	15.30	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 12:45:00 PM	38.00	4.40	23.40	16.60	0.00	23.40	11.40	16.60	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 1:00:00 PM	28.00	3.90	34.30	21.40	0.00	34.30	18.50	21.40	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 1:15:00 PM	44.00	6.10	21.90	20.40	0.00	21.90	13.10	20.40	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 1:30:00 PM	45.00	5.20	21.80	17.60	0.00	21.80	9.40	17.60	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 1:45:00 PM	20.00	4.40	22.20	19.50	0.00	22.20	10.40	19.50	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 2:00:00 PM	43.00	6.40	23.50	20.30	0.00	23.50	9.20	20.30	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 2:15:00 PM	19.00	6.30	24.20	20.30	0.00	24.20	17.60	20.30	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 2:30:00 PM	50.00	4.00	27.20	16.50	0.00	27.20	11.60	16.50	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 2:45:00 PM	43.00	4.90	23.50	20.20	0.00	23.50	11.60	20.20	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 3:00:00 PM	21.00	6.40	22.60	24.80	2.20	22.60	21.50	24.80	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 3:15:00 PM	33.00	5.50	19.40	15.60	0.00	19.40	12.40	15.60	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 3:30:00 PM	42.00	7.20	18.90	19.50	0.60	18.90	12.00	19.50	37.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 3:45:00 PM	40.00	5.10	15.00	15.30	0.30	15.00	14.10	15.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:00:00 PM	53.00	6.00	15.00	14.80	0.00	15.00	10.70	14.80	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:15:00 PM	43.00	6.10	16.20	19.40	3.20	16.20	12.40	19.40	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:30:00 PM	9.00	5.50	19.50	18.20	0.00	19.50	13.00	18.20	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 4:45:00 PM	31.00	5.50	23.80	12.30	0.00	23.80	8.80	12.30	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:00:00 PM	12.00	4.80	18.80	14.90	0.00	18.80	21.20	14.90	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:15:00 PM	9.00	4.80	18.20	15.40	0.00	18.20	11.20	15.40	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:30:00 PM	45.00	4.10	20.40	16.50	0.00	20.40	12.20	16.50	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 5:45:00 PM	56.00	4.60	20.00	16.80	0.00	20.00	8.90	16.80	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:00:00 PM	44.00	4.40	23.90	17.70	0.00	23.90	11.90	17.70	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:15:00 PM	54.00	4.40	20.70	21.80	1.10	20.70	14.00	21.80	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:30:00 PM	40.00	4.10	22.70	20.80	0.00	22.70	9.20	20.80	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 6:45:00 PM	33.00	3.80	17.40	25.00	7.60	17.40	11.80	25.00	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:00:00 PM	53.00	4.70	16.50	17.50	1.00	16.50	12.30	17.50	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:15:00 PM	42.00	4.40	16.70	14.50	0.00	16.70	12.60	14.50	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:30:00 PM	39.00	3.30	11.10	11.70	0.60	11.10	11.40	11.70	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/6/2012 7:45:00 PM	50.00	3.50	10.60	11.90	1.30	10.60	13.80	11.90	12.10	0.00	0.00	0.00						







Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/9/2012 6:00:00 AM	220.00	2.50	24.50	19.20	0.00	19.20	29.80	24.50	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:15:00 AM	218.00	3.20	22.70	20.70	0.00	20.70	26.10	22.70	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:30:00 AM	219.00	3.60	20.30	18.60	0.00	18.60	26.60	20.30	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:45:00 AM	198.00	2.70	19.40	18.40	0.00	18.40	24.90	19.40	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:00:00 AM	208.00	3.30	21.30	20.70	0.00	20.70	28.80	21.30	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:15:00 AM	232.00	3.40	20.10	20.00	0.00	20.00	24.60	20.10	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:30:00 AM	240.00	3.30	17.90	16.90	0.00	16.90	22.20	17.90	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:45:00 AM	222.00	4.40	19.10	17.40	0.00	17.40	21.50	19.10	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:00:00 AM	256.00	6.40	19.10	16.90	0.00	16.90	21.90	19.10	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:15:00 AM	227.00	4.70	19.00	16.70	0.00	16.70	22.00	19.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:30:00 AM	235.00	4.60	19.40	16.80	0.00	16.80	21.80	19.40	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:45:00 AM	207.00	3.80	19.90	18.30	0.00	18.30	22.00	19.90	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:00:00 AM	216.00	5.30	19.60	18.90	0.00	18.90	21.80	19.60	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:15:00 AM	234.00	3.70	19.80	19.90	0.20	19.90	22.30	19.80	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:30:00 AM	254.00	5.90	20.60	21.30	0.70	21.30	22.80	20.60	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:45:00 AM	248.00	5.60	21.40	22.40	1.00	22.40	22.50	21.40	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 10:00:00 AM	233.00	5.90	20.90	24.30	3.40	24.30	23.00	20.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 10:15:00 AM	274.00	6.70	20.60	21.80	1.20	24.50	21.80	21.20	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 10:30:00 AM	245.00	7.70	20.70	25.70	5.00	25.70	20.10	20.70	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 10:45:00 AM	260.00	8.00	21.20	26.50	5.20	26.50	21.00	21.20	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 11:00:00 AM	274.00	4.10	25.70	21.30	0.00	27.20	21.30	22.10	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 11:15:00 AM	251.00	3.90	24.60	30.80	6.20	30.80	22.50	24.60	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 11:30:00 AM	218.00	6.50	22.40	31.90	9.40	31.90	19.50	22.40	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 11:45:00 AM	216.00	4.00	22.50	30.80	8.20	30.80	20.30	22.50	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 12:00:00 PM	214.00	4.60	21.00	33.50	12.50	33.50	18.80	21.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 12:15:00 PM	245.00	5.70	20.70	31.00	10.30	31.00	18.20	20.70	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 12:30:00 PM	203.00	5.50	21.40	37.00	15.50	37.00	19.80	21.40	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 12:45:00 PM	273.00	5.20	23.80	18.40	0.00	38.70	18.40	21.20	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 1:00:00 PM	221.00	5.70	22.10	35.10	12.90	35.10	18.90	22.10	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 1:15:00 PM	263.00	5.00	21.00	35.00	13.90	35.00	18.80	21.00	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 1:30:00 PM	241.00	5.00	20.80	34.10	13.30	34.10	18.60	20.80	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 1:45:00 PM	175.00	4.80	18.00	23.70	5.70	32.00	18.00	20.70	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 2:00:00 PM	215.00	4.90	20.20	31.00	10.90	31.00	17.60	20.20	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 2:15:00 PM	240.00	4.10	22.00	32.80	10.90	32.80	19.10	22.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 2:30:00 PM	237.00	5.70	20.80	32.40	11.50	32.40	18.70	20.80	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 2:45:00 PM	278.00	3.70	24.80	17.50	0.00	32.70	17.50	21.40	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 3:00:00 PM	213.00	5.40	21.20	31.20	9.90	31.20	17.70	21.20	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 3:15:00 PM	247.00	3.30	21.50	30.90	9.40	30.90	17.30	21.50	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 3:30:00 PM	239.00	4.00	20.60	31.00	10.40	31.00	16.90	20.60	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 3:45:00 PM	213.00	3.00	19.60	29.50	9.90	29.50	16.10	19.60	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 4:00:00 PM	192.00	4.70	20.50	29.70	9.20	29.70	17.00	20.50	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 4:15:00 PM	227.00	4.10	19.50	28.20	8.70	28.20	15.90	19.50	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 4:30:00 PM	257.00	5.50	19.90	29.10	9.10	29.10	16.40	19.90	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 4:45:00 PM	222.00	5.30	20.00	29.10	9.10	29.10	16.80	20.00	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 5:00:00 PM	229.00	4.70	20.30	29.20	8.90	29.20	16.60	20.30	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 5:15:00 PM	175.00	4.80	15.80	21.80	6.00	21.80	15.80	15.80	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 5:30:00 PM	191.00	6.80	18.40	27.60	9.20	27.60	15.90	18.40	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 5:45:00 PM	170.00	7.70	15.80	20.20	4.40	27.30	15.80	18.60	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:00:00 PM	229.00	4.60	17.70	25.80	8.20	25.80	15.10	17.70	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:15:00 PM	197.00	3.60	18.90	26.00	7.10	26.00	15.80	18.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:30:00 PM	203.00	5.50	19.30	26.20	6.90	26.20	15.10	19.30	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 6:45:00 PM	183.00	4.10	18.90	24.70	5.90	24.70	14.60	18.90	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:00:00 PM	201.00	3.00	18.30	24.40	6.00	24.40	14.40	18.30	18.90	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	
6/9/2012 7:15:00 PM	203.00	6.00	17.90	23.00	5.10	23.00	13.70	17.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:30:00 PM	200.00	3.20	17.80	23.70	5.90	23.70	13.60	17.80	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 7:45:00 PM	201.00	5.30	18.60	23.70	5.10	23.70	14.50	18.60	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:00:00 PM	195.00	3.40	17.20	23.10	5.90	23.10	14.20	17.20	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:15:00 PM	176.00	4.30	14.20	17.60	3.30	23.50	14.20	18.20	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:30:00 PM	196.00	4.60	19.40	25.00	5.70	25.00	15.00	19.40	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 8:45:00 PM	211.00	3.70	19.00	23.70	4.70	23.70	15.60	19.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:00:00 PM	188.00	3.40	19.10	22.40	3.30	22.40	16.80	19.10	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:15:00 PM	213.00	4.00	20.00	22.40	2.40	22.40	17.90	20.00	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:30:00 PM	200.00	2.70	21.50	22.70	1.20	22.70	21.50	21.50	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/9/2012 9:45:00 PM	186.00	2.60	21.60	20.20	0.00	20.20	22.20	21.60	23.00	0.00	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  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/10/2012 6:45:00 AM	202.00	3.40	22.80	30.20	7.50	30.20	33.70	22.80	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:00:00 AM	190.00	2.90	23.60	28.80	5.20	28.80	33.70	23.60	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:15:00 AM	181.00	2.70	23.40	29.70	6.30	29.70	33.90	23.40	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:30:00 AM	215.00	3.60	22.50	28.40	5.90	28.40	33.20	22.50	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:45:00 AM	209.00	3.70	21.50	28.60	7.10	28.60	32.00	21.50	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:00:00 AM	180.00	2.50	21.20	28.20	7.00	28.20	31.50	21.20	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:15:00 AM	195.00	4.00	21.10	28.50	7.40	28.50	30.80	21.10	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:30:00 AM	217.00	3.80	20.80	28.20	7.40	28.20	29.60	20.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:45:00 AM	0.00	0.00	0.00	0.00	0.00	26.80	28.00	20.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:00:00 AM	222.00	3.40	19.60	25.70	6.10	25.70	26.00	19.60	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:15:00 AM	242.00	3.30	19.20	25.00	5.80	25.00	25.20	19.20	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:30:00 AM	213.00	4.00	18.90	24.50	5.60	24.50	23.40	18.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:45:00 AM	256.00	4.60	18.40	23.70	5.30	23.70	22.20	18.40	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:00:00 AM	196.00	3.00	18.70	21.90	3.20	21.90	20.30	18.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:15:00 AM	199.00	3.70	19.50	21.90	2.40	21.90	19.70	19.50	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:30:00 AM	192.00	2.80	19.80	21.20	1.30	21.20	18.60	19.80	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:45:00 AM	188.00	5.30	19.90	20.90	1.00	20.90	17.60	19.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 11:00:00 AM	175.00	4.00	17.00	18.70	1.70	20.90	17.00	19.80	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 11:15:00 AM	202.00	5.10	19.40	20.80	1.40	20.80	16.60	19.40	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 11:30:00 AM	207.00	5.00	20.00	21.70	1.70	21.70	16.40	20.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 11:45:00 AM	210.00	7.40	19.10	24.20	5.10	24.20	16.30	19.10	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 12:00:00 PM	228.00	8.60	19.60	22.50	2.90	22.50	15.70	19.60	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 12:15:00 PM	145.00	8.40	14.80	17.20	2.50	22.80	14.80	18.80	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 12:30:00 PM	177.00	6.20	15.40	18.20	2.80	23.40	15.40	19.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 12:45:00 PM	182.00	5.30	19.00	23.50	4.50	23.50	15.20	19.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 1:00:00 PM	143.00	5.80	15.60	18.10	2.40	24.70	15.60	19.30	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 1:15:00 PM	172.00	7.80	17.00	17.20	0.10	25.10	17.00	17.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 1:30:00 PM	208.00	4.40	16.90	23.30	6.40	23.30	15.80	16.90	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 1:45:00 PM	196.00	5.90	16.60	26.60	10.00	26.60	15.90	16.60	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 2:00:00 PM	177.00	6.90	16.30	16.20	0.00	26.80	16.30	16.50	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 2:15:00 PM	173.00	6.90	23.70	16.60	0.00	34.90	23.70	17.20	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 2:30:00 PM	174.00	5.40	15.50	16.20	0.70	25.10	15.50	19.80	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 2:45:00 PM	161.00	5.20	14.90	17.00	2.10	23.00	14.90	17.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 3:00:00 PM	192.00	8.10	17.70	24.50	6.80	24.50	15.10	17.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 3:15:00 PM	168.00	9.00	15.90	18.70	2.80	27.00	15.90	19.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 3:30:00 PM	153.00	7.00	18.20	19.30	1.10	40.40	18.20	18.90	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 3:45:00 PM	160.00	6.50	21.60	29.10	7.50	32.40	21.60	21.00	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 4:00:00 PM	176.00	8.70	16.60	21.90	5.30	27.20	16.60	21.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 4:15:00 PM	167.00	6.70	17.90	22.30	4.40	35.40	17.90	21.50	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 4:30:00 PM	198.00	6.50	23.40	38.60	15.30	38.60	25.10	23.40	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 4:45:00 PM	191.00	7.10	23.10	58.50	35.40	58.50	20.80	23.10	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 5:00:00 PM	202.00	6.00	24.70	32.80	8.10	32.80	20.90	24.70	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 5:15:00 PM	184.00	7.10	26.90	38.80	11.90	38.80	21.70	26.90	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 5:30:00 PM	187.00	9.60	28.10	36.90	8.80	36.90	23.10	28.10	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 5:45:00 PM	186.00	7.30	28.70	38.60	9.80	38.60	23.20	28.70	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 6:00:00 PM	169.00	5.70	21.80	25.30	3.50	33.60	21.80	25.80	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 6:15:00 PM	226.00	4.40	23.80	31.40	7.60	31.40	22.80	23.80	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 6:30:00 PM	197.00	8.20	25.90	47.80	21.90	47.80	21.50	25.90	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 6:45:00 PM	171.00	7.50	23.40	22.70	0.00	30.20	23.40	21.20	22.70	0.30	0.00	0.00	0.00	0.00	0.30	0.00	0.00	
6/10/2012 7:00:00 PM	206.00	5.50	21.00	28.40	7.40	28.40	21.80	21.00	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:15:00 PM	191.00	4.50	21.10	29.40	8.30	29.40	21.60	21.10	23.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	
6/10/2012 7:30:00 PM	187.00	3.70	21.40	26.70	5.30	26.70	21.30	21.40	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 7:45:00 PM	194.00	2.30	21.60	25.80	4.10	25.80	20.50	21.60	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:00:00 PM	185.00	5.10	23.50	27.50	4.00	27.50	21.70	23.50	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:15:00 PM	176.00	5.30	20.80	24.00	3.20	25.60	20.80	22.50	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:30:00 PM	203.00	4.90	22.00	25.80	3.80	25.80	20.10	22.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 8:45:00 PM	189.00	4.20	22.00	26.00	4.10	26.00	20.70	22.00	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:00:00 PM	185.00	2.70	21.80	27.50	5.70	27.50	23.10	21.80	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:15:00 PM	191.00	3.20	21.40	27.70	6.30	27.70	23.30	21.40	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:30:00 PM	208.00	3.40	20.90	26.40	5.50	26.40	23.90	20.90	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 9:45:00 PM	204.00	4.40	20.40	25.50	5.00	25.50	26.60	20.40	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:00:00 PM	192.00	3.40	20.40	24.90	4.50	24.90	27.70	20.40	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:15:00 PM	183.00	3.60	20.40	24.20	3.70	24.20	28.20	20.40	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/10/2012 10:30:00 PM	192.00	3.30	20.30	22.60	2.30	22.60	27.40	20.30	23.90	0.00	0.0							

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
6/11/2012 7:30:00 AM	223.00	3.10	16.70	14.80	0.00	14.80	22.00	16.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 7:45:00 AM	0.00	0.00	0.00	0.00	0.00	14.50	19.80	16.50	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:00:00 AM	205.00	3.30	16.50	14.80	0.00	14.80	19.50	16.50	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:15:00 AM	193.00	5.00	16.00	13.50	0.00	13.50	15.20	16.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:30:00 AM	192.00	4.40	15.70	13.50	0.00	13.50	14.10	15.70	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:45:00 AM	222.00	4.50	15.30	17.20	1.90	17.20	14.20	15.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:00:00 AM	192.00	3.50	15.20	13.70	0.00	13.70	14.00	15.20	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:15:00 AM	230.00	2.70	15.40	13.40	0.00	13.40	15.30	15.40	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:30:00 AM	231.00	4.30	15.80	14.30	0.00	14.30	15.80	15.80	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:45:00 AM	205.00	5.00	16.40	15.00	0.00	15.00	18.10	16.40	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:00:00 AM	195.00	3.70	19.10	16.80	0.00	16.80	17.90	19.10	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:15:00 AM	0.00	0.00	0.00	0.00	0.00	15.30	16.20	15.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:30:00 AM	190.00	4.90	16.70	15.50	0.00	15.50	15.90	16.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:45:00 AM	138.00	7.20	13.80	16.00	2.20	15.10	13.80	16.30	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:00:00 AM	181.00	6.60	15.60	14.70	0.00	14.70	12.40	15.60	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:15:00 AM	209.00	8.30	15.50	15.30	0.00	15.30	17.10	15.50	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:30:00 AM	181.00	5.90	16.50	21.90	5.40	21.90	18.30	16.50	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:45:00 AM	207.00	6.90	16.00	22.80	6.80	22.80	22.30	16.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 12:00:00 PM	208.00	6.60	15.00	20.90	6.00	20.90	24.50	15.00	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 12:15:00 PM	212.00	4.90	13.80	17.50	3.70	17.50	14.30	13.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 12:30:00 PM	239.00	7.00	13.60	16.10	2.50	16.10	15.30	13.60	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 12:45:00 PM	176.00	6.90	16.00	14.10	0.00	16.80	16.00	13.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 1:00:00 PM	211.00	6.60	11.80	14.20	2.40	14.20	14.40	11.80	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 1:15:00 PM	192.00	4.00	11.60	13.20	1.60	13.20	13.20	11.60	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 1:30:00 PM	178.00	6.00	12.50	12.10	0.00	12.20	12.50	10.50	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 1:45:00 PM	213.00	4.80	10.10	11.60	1.50	11.60	12.80	10.10	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 2:00:00 PM	0.00	0.00	0.00	0.00	0.00	12.30	20.00	10.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 2:15:00 PM	187.00	4.30	15.30	19.70	4.30	19.70	18.70	15.30	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 2:30:00 PM	207.00	4.90	13.80	13.30	0.00	13.30	15.70	13.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 2:45:00 PM	218.00	5.20	11.70	13.80	2.20	13.80	14.80	11.70	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 3:00:00 PM	0.00	0.00	0.00	0.00	0.00	12.90	12.50	11.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 3:15:00 PM	224.00	5.80	11.10	13.20	2.00	13.20	11.90	11.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 3:30:00 PM	204.00	8.60	11.10	14.10	3.00	14.10	12.30	11.10	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 3:45:00 PM	185.00	6.60	11.10	13.90	2.70	13.90	12.50	11.10	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 5:00:00 PM	211.00	2.50	19.60	39.10	19.50	39.10	27.50	19.60	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 5:30:00 PM	225.00	5.90	22.50	30.20	7.70	30.20	33.00	22.50	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 5:45:00 PM	247.00	5.60	21.70	23.80	2.10	23.80	29.60	21.70	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 6:00:00 PM	238.00	6.40	17.60	18.60	1.00	18.60	20.90	17.60	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 6:15:00 PM	212.00	3.50	17.50	17.80	0.30	17.80	18.00	17.50	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 6:30:00 PM	239.00	4.80	16.50	19.40	3.00	19.40	15.30	16.50	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 6:45:00 PM	236.00	4.00	16.20	18.40	2.20	18.40	15.00	16.20	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 7:00:00 PM	230.00	3.90	16.00	19.30	3.30	19.30	14.80	16.00	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 7:15:00 PM	218.00	3.10	16.00	21.20	5.20	21.20	14.90	16.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 7:30:00 PM	230.00	2.40	13.50	20.50	7.00	20.50	13.80	13.50	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 7:45:00 PM	225.00	3.90	12.70	19.90	7.20	19.90	13.30	12.70	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:00:00 PM	214.00	3.60	13.10	20.40	7.40	20.40	14.20	13.10	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:15:00 PM	240.00	3.00	13.00	20.80	7.80	20.80	15.80	13.00	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:30:00 PM	259.00	4.10	12.90	20.60	7.70	20.60	17.00	12.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 8:45:00 PM	236.00	3.50	12.70	20.10	7.40	20.10	18.50	12.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:00:00 PM	229.00	3.80	12.60	20.10	7.40	20.10	19.30	12.60	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:15:00 PM	223.00	3.90	12.30	19.50	7.20	19.50	18.90	12.30	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:30:00 PM	277.00	1.30	16.10	17.10	1.00	18.50	17.10	11.80	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 9:45:00 PM	283.00	2.80	15.90	13.20	0.00	15.90	13.20	9.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:00:00 PM	231.00	3.20	8.70	14.30	5.60	14.30	12.60	8.70	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:15:00 PM	247.00	3.30	9.00	13.60	4.60	13.60	13.30	9.00	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:30:00 PM	237.00	2.10	9.00	13.10	4.10	13.10	14.00	9.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 10:45:00 PM	243.00	2.70	9.40	13.30	3.90	13.30	14.50	9.40	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:00:00 PM	256.00	2.80	9.60	12.90	3.30	12.90	14.50	9.60	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:15:00 PM	226.00	2.60	10.00	13.80	3.80	13.80	16.20	10.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:30:00 PM	239.00	2.50	10.60	14.60	4.00	14.60	17.20	10.60	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2012 11:45:00 PM	244.00	3.10	11.20	15.50	4.30	15.50	17.70	11.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/12/2012	285.00	4.30	17.20	17.20	0.00	15.90	17.20	11.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:15:00 AM	298.00	4.50	17.40	15.90	0.00	16.10	15.90	12.10	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:30:00 AM	275.00	2.40	17.50	15.80	0.00	16.30	15.80	11.80	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:45:00 AM	296.00	3.40	17.70	14.90	0.00	16.30	14.90	12.80	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:00:00 AM	314.00	5.30	15.90	13.70	0.00	15.60	13.70	12.10	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:15:00 AM	325.00	2.50	16.60	14.20	0.00	15.20	14.20	12.60	16.60	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  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
6/12/2012 9:30:00 AM	300.00	3.80	29.00	17.80	0.00	30.10	17.80	18.50	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 9:45:00 AM	313.00	5.60	28.40	18.90	0.00	32.30	18.90	18.50	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:00:00 AM	298.00	3.30	30.50	19.00	0.00	33.60	19.00	23.10	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:15:00 AM	1.00	1.70	33.20	21.00	0.00	33.20	20.10	21.00	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:30:00 AM	244.00	1.30	24.90	40.50	15.60	40.50	23.20	24.90	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:45:00 AM	50.00	4.80	39.80	22.50	0.00	39.80	24.50	22.50	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:00:00 AM	35.00	6.20	34.40	19.10	0.00	34.40	19.00	19.10	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:15:00 AM	10.00	4.50	33.20	20.60	0.00	33.20	20.30	20.60	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:30:00 AM	38.00	5.40	37.80	20.10	0.00	37.80	21.10	20.10	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:45:00 AM	33.00	5.50	36.90	24.20	0.00	36.90	26.20	24.20	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:00:00 PM	29.00	6.50	38.40	22.90	0.00	38.40	24.60	22.90	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:15:00 PM	62.00	5.90	31.60	21.50	0.00	31.60	22.90	21.50	28.60	0.00	1.00	1.00	0.00	0.00	0.00	1.00
6/12/2012 12:30:00 PM	29.00	5.70	28.10	18.80	0.00	28.10	23.80	18.80	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 12:45:00 PM	55.00	4.50	26.40	16.30	0.00	26.40	25.10	16.30	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:00:00 PM	31.00	4.90	24.40	15.50	0.00	24.40	23.00	15.50	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:15:00 PM	47.00	6.00	21.70	14.00	0.00	21.70	22.10	14.00	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:30:00 PM	35.00	5.80	18.70	13.30	0.00	18.70	21.70	13.30	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 1:45:00 PM	17.00	8.70	21.90	14.60	0.00	21.90	26.20	14.60	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 2:00:00 PM	26.00	5.10	20.40	17.70	0.00	20.40	20.80	17.70	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 2:15:00 PM	32.00	7.80	19.30	16.20	0.00	19.30	27.00	16.20	38.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 2:30:00 PM	72.00	5.70	19.50	14.50	0.00	19.50	28.20	14.50	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 2:45:00 PM	51.00	6.00	19.90	15.10	0.00	19.90	20.40	15.10	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 3:00:00 PM	31.00	5.70	22.20	14.60	0.00	22.20	22.10	14.60	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 3:15:00 PM	53.00	4.90	24.10	16.20	0.00	24.10	24.20	16.20	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 3:30:00 PM	80.00	3.90	29.10	17.00	0.00	29.10	30.60	17.00	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 3:45:00 PM	56.00	7.00	36.70	26.30	0.00	36.70	28.40	26.30	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 4:00:00 PM	65.00	3.30	31.50	25.30	0.00	31.50	20.40	25.30	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 4:15:00 PM	89.00	5.00	34.80	23.10	0.00	34.80	25.50	23.10	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 4:30:00 PM	92.00	4.10	32.80	28.10	0.00	49.20	32.80	28.10	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 4:45:00 PM	66.00	6.70	44.50	32.30	0.00	44.50	35.70	32.30	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 5:00:00 PM	107.00	5.20	34.10	32.30	0.00	46.20	34.10	29.40	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 5:15:00 PM	64.00	3.90	36.60	27.70	0.00	36.60	31.30	27.70	40.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 5:30:00 PM	94.00	4.40	28.00	32.20	4.20	44.10	28.00	24.20	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 5:45:00 PM	55.00	7.00	34.60	18.30	0.00	34.60	28.60	18.30	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 6:00:00 PM	59.00	5.60	33.90	23.60	0.00	33.90	50.60	23.60	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 6:15:00 PM	66.00	4.40	33.20	23.40	0.00	33.20	46.00	23.40	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 6:30:00 PM	50.00	5.30	33.40	20.70	0.00	33.40	33.80	20.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 6:45:00 PM	60.00	6.10	19.60	19.30	0.00	19.60	32.10	19.30	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 7:00:00 PM	52.00	3.90	13.30	14.40	1.20	13.30	30.90	14.40	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 7:15:00 PM	48.00	4.20	44.20	13.80	0.00	44.20	25.90	13.80	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 7:30:00 PM	38.00	5.20	12.80	15.00	2.20	12.80	26.50	15.00	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 7:45:00 PM	52.00	6.20	12.30	12.50	0.10	12.30	19.60	12.50	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 8:00:00 PM	54.00	6.10	16.40	11.40	0.00	16.40	11.30	11.40	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 8:15:00 PM	52.00	4.90	15.70	12.30	0.00	15.70	10.20	12.30	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 8:30:00 PM	44.00	3.80	13.40	11.50	0.00	13.40	11.50	11.50	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 8:45:00 PM	48.00	5.20	16.60	13.70	0.00	16.60	12.50	13.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 9:00:00 PM	44.00	5.60	29.90	33.20	3.40	29.90	63.80	33.20	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 9:15:00 PM	53.00	4.80	28.00	39.40	11.40	28.00	45.80	39.40	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 9:30:00 PM	46.00	4.80	30.80	32.40	1.60	30.80	32.80	32.40	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 9:45:00 PM	35.00	2.90	20.50	36.80	16.30	20.50	34.80	36.80	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:00:00 PM	51.00	3.70	17.60	29.60	12.00	17.60	33.10	29.60	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:15:00 PM	58.00	2.30	12.30	23.30	11.00	12.30	26.40	23.30	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:30:00 PM	98.00	2.80	20.30	11.20	0.00	14.60	20.30	15.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 10:45:00 PM	63.00	2.70	9.50	15.10	5.60	9.50	12.40	15.10	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:00:00 PM	63.00	2.10	9.90	10.00	0.10	9.90	12.00	10.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:15:00 PM	87.00	2.70	11.20	13.40	2.20	11.20	20.90	13.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:30:00 PM	105.00	1.80	35.60	9.50	0.00	13.10	35.60	16.10	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2012 11:45:00 PM	72.00	3.10	20.10	23.60	3.60	20.10	34.80	23.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/13/2012	93.00	1.90	28.70	14.70	0.00	21.10	28.70	21.80	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:15:00 AM	69.00	2.90	16.70	21.90	5.20	16.70	19.10	21.90	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:30:00 AM	79.00	3.20	11.90	14.10	2.20	11.90	11.80	14.10	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:45:00 AM	70.00	3.90	7.80	12.10	4.30	7.80	14.70	12.10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:00:00 AM	79.00	5.50	10.50	10.60	0.10	10.50	17.00	10.60	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:15:00 AM	61.00	3.40	11.50	10.90	0.00	11.50	14.80	10.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:30:00 AM	62.00	3.60	11.30	10.30	0.00	11.30	11.80	10.30	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:45:00 AM	61.00	2.80	14.00	8.80	0.00	14.00	11.30	8.80	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:00:00 AM	58.00	3.00	15.40	8.50	0.00	15.40	9.80	8.50	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:15:00 AM	73.00	3.60	1													

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
6/13/2012 10:15:00 AM	69.00	4.60	30.10	33.10	3.00	30.10	59.40	33.10	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:30:00 AM	65.00	4.40	22.70	25.60	2.90	22.70	33.20	25.60	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:45:00 AM	78.00	5.40	22.50	24.70	2.20	22.50	33.30	24.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:00:00 AM	95.00	4.20	28.10	20.50	0.00	38.70	28.10	23.60	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:15:00 AM	89.00	4.10	43.20	19.80	0.00	43.20	24.80	19.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:30:00 AM	55.00	4.20	42.90	18.50	0.00	42.90	30.30	18.50	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:45:00 AM	40.00	3.80	38.50	30.00	0.00	38.50	29.90	30.00	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:00:00 PM	34.00	8.70	40.70	20.60	0.00	40.70	19.90	20.60	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:15:00 PM	27.00	5.60	33.40	22.20	0.00	33.40	28.70	22.20	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:30:00 PM	30.00	7.10	35.60	17.50	0.00	35.60	25.10	17.50	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 12:45:00 PM	33.00	6.30	46.00	32.80	0.00	46.00	36.50	32.80	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:00:00 PM	35.00	6.20	26.20	22.70	0.00	26.20	29.00	22.70	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:15:00 PM	33.00	6.60	28.30	19.70	0.00	28.30	21.50	19.70	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:30:00 PM	28.00	8.10	21.90	25.20	3.40	21.90	24.40	25.20	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 1:45:00 PM	50.00	7.60	30.20	17.60	0.00	30.20	17.10	17.60	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:00:00 PM	52.00	4.80	24.30	16.80	0.00	24.30	19.20	16.80	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:15:00 PM	28.00	5.70	20.20	18.40	0.00	20.20	23.50	18.40	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:30:00 PM	43.00	4.70	16.90	15.40	0.00	16.90	20.40	15.40	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 2:45:00 PM	40.00	5.20	22.10	15.90	0.00	22.10	16.50	15.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 3:00:00 PM	27.00	5.80	26.60	21.00	0.00	26.60	18.20	21.00	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 3:15:00 PM	47.00	5.20	27.20	16.30	0.00	27.20	14.90	16.30	41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 3:30:00 PM	44.00	4.60	31.20	22.20	0.00	31.20	18.70	22.20	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 3:45:00 PM	44.00	3.90	31.70	18.30	0.00	31.70	16.60	18.30	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 4:00:00 PM	43.00	4.80	25.90	21.20	0.00	25.90	20.20	21.20	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 4:15:00 PM	27.00	6.20	24.30	20.10	0.00	24.30	19.80	20.10	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 4:30:00 PM	38.00	4.70	27.20	20.70	0.00	27.20	22.40	20.70	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 4:45:00 PM	56.00	4.40	14.40	20.20	5.90	14.40	18.00	20.20	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 5:00:00 PM	36.00	5.70	13.80	14.30	0.40	13.80	14.90	14.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 5:15:00 PM	33.00	5.60	10.10	11.50	1.50	10.10	10.80	11.50	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 5:30:00 PM	48.00	5.20	12.80	10.50	0.00	12.80	11.70	10.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 5:45:00 PM	0.00	0.00	0.00	0.00	0.00	10.90	10.50	10.80	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 6:00:00 PM	30.00	4.00	11.50	9.30	0.00	11.50	11.00	9.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 6:15:00 PM	41.00	4.80	17.40	12.60	0.00	17.40	15.00	12.60	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 6:30:00 PM	37.00	3.50	25.00	21.10	0.00	25.00	14.00	21.10	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 6:45:00 PM	63.00	3.50	18.50	18.10	0.00	18.50	21.80	18.10	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 7:00:00 PM	75.00	3.50	13.50	10.60	0.00	13.50	15.40	10.60	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 7:15:00 PM	69.00	4.00	69.70	11.60	0.00	69.70	17.70	11.60	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 7:30:00 PM	82.00	4.30	14.90	11.90	0.00	14.90	35.70	11.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 7:45:00 PM	77.00	5.60	26.60	25.90	0.00	26.60	51.60	25.90	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 8:00:00 PM	77.00	5.70	40.20	22.70	0.00	40.20	20.90	22.70	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 8:15:00 PM	93.00	4.20	20.80	29.10	8.30	45.40	20.80	18.30	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 8:30:00 PM	75.00	3.20	28.90	19.30	0.00	28.90	22.50	19.30	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 8:45:00 PM	61.00	3.70	33.10	17.50	0.00	33.10	21.90	17.50	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 9:00:00 PM	96.00	3.30	14.10	17.30	3.20	28.80	14.10	14.50	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 9:15:00 PM	64.00	4.60	27.60	15.40	0.00	27.60	13.90	15.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 9:30:00 PM	117.00	2.70	15.50	16.10	0.60	22.60	15.50	14.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 9:45:00 PM	79.00	4.30	19.30	12.00	0.00	19.30	17.50	12.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:00:00 PM	69.00	3.20	18.60	12.40	0.00	18.60	17.90	12.40	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:15:00 PM	70.00	3.00	16.80	11.70	0.00	16.80	14.00	11.70	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:30:00 PM	68.00	3.40	17.10	8.90	0.00	17.10	12.40	8.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 10:45:00 PM	64.00	3.40	17.80	7.70	0.00	17.80	13.00	7.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:00:00 PM	67.00	3.10	19.10	8.00	0.00	19.10	15.40	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:15:00 PM	24.00	3.10	15.00	8.20	0.00	15.00	12.40	8.20	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:30:00 PM	64.00	3.20	10.00	9.20	0.00	10.00	13.90	9.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2012 11:45:00 PM	64.00	4.50	8.40	8.00	0.00	8.40	13.20	8.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/14/2012	76.00	3.10	8.20	9.80	1.70	8.20	14.30	9.80	12.00	0.20	0.00	0.00	0.00	0.00	0.20	0.00	0.00
6/14/2012 12:15:00 AM	71.00	3.10	6.80	10.00	3.30	6.80	13.40	10.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 12:30:00 AM	79.00	3.40	7.80	10.00	2.20	7.80	14.50	10.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 12:45:00 AM	67.00	2.70	8.80	10.30	1.50	8.80	14.00	10.30	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 1:00:00 AM	71.00	4.00	13.10	11.00	0.00	13.10	15.30	11.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 1:15:00 AM	65.00	3.50	11.50	11.10	0.00	11.50	16.20	11.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 1:30:00 AM	67.00	3.30	14.40	11.70	0.00	14.40	17.30	11.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 1:45:00 AM	73.00	3.70	14.00	12.70	0.00	14.00	18.30	12.70	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 2:00:00 AM	138.00	2.10	20.40	14.20	0.00	19.70	20.40	14.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2012 2:15:00 AM	73.00	2.20</															

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/14/2012 11:00:00 AM	148.00	3.20	32.70	16.60	0.00	21.00	32.70	18.80	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:15:00 AM	176.00	3.20	18.50	18.00	0.00	25.00	18.50	25.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:30:00 AM	176.00	5.90	15.20	14.30	0.00	23.20	15.20	15.30	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:45:00 AM	151.00	6.70	14.60	15.00	0.40	19.70	14.60	14.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 12:00:00 PM	0.00	0.00	0.00	0.00	0.00	22.30	16.70	15.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 12:15:00 PM	106.00	4.80	22.70	18.70	0.00	21.60	22.70	16.60	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 12:30:00 PM	157.00	4.10	25.60	15.40	0.00	20.60	25.60	15.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 12:45:00 PM	164.00	4.20	16.70	15.70	0.00	23.30	16.70	14.90	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 1:00:00 PM	155.00	2.30	19.00	16.60	0.00	22.10	19.00	16.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 1:15:00 PM	162.00	2.60	17.30	17.20	0.00	21.10	17.30	15.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 1:30:00 PM	159.00	4.60	20.90	17.70	0.00	23.10	20.90	15.50	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 1:45:00 PM	154.00	3.60	17.00	19.00	2.00	25.80	17.00	16.20	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 2:00:00 PM	164.00	4.90	17.00	17.10	0.10	23.30	17.00	14.60	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 2:15:00 PM	135.00	3.30	24.90	16.50	0.00	22.70	24.90	14.10	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 2:30:00 PM	148.00	6.60	31.60	21.00	0.00	25.40	31.60	13.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 2:45:00 PM	172.00	6.10	23.80	17.20	0.00	21.60	23.80	14.30	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 3:00:00 PM	141.00	5.40	22.80	19.70	0.00	23.50	22.80	15.40	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 3:15:00 PM	124.00	4.00	19.50	18.90	0.00	26.10	19.50	16.40	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 3:30:00 PM	122.00	3.30	21.10	18.70	0.00	25.90	21.10	16.80	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 3:45:00 PM	132.00	4.10	25.00	24.30	0.00	45.10	25.00	15.10	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 4:00:00 PM	103.00	2.00	29.00	33.30	4.30	41.90	29.00	22.50	33.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 4:15:00 PM	121.00	4.00	78.30	54.40	0.00	39.80	78.30	38.30	54.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 4:30:00 PM	147.00	4.80	59.50	49.70	0.00	40.10	59.50	19.40	49.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 4:45:00 PM	162.00	5.80	50.70	40.60	0.00	44.50	50.70	34.80	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 5:00:00 PM	172.00	5.00	63.50	31.70	0.00	57.60	63.50	21.90	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 5:15:00 PM	146.00	5.10	51.20	66.50	15.30	58.90	51.20	19.90	66.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 5:30:00 PM	139.00	4.90	26.60	28.60	2.00	39.50	26.60	13.20	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 5:45:00 PM	124.00	3.40	16.40	25.70	9.30	30.20	16.40	13.80	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 6:00:00 PM	116.00	2.00	25.90	16.00	0.00	16.60	25.90	13.20	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 6:15:00 PM	130.00	3.80	23.30	18.70	0.00	16.20	23.30	12.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 6:30:00 PM	132.00	2.40	41.30	18.00	0.00	21.90	41.30	13.60	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 6:45:00 PM	137.00	3.10	27.60	31.30	3.60	48.80	27.60	16.60	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 7:00:00 PM	126.00	3.30	19.70	38.70	19.10	40.40	19.70	17.20	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 7:15:00 PM	140.00	2.50	22.00	42.10	20.10	42.80	22.00	18.60	42.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 7:30:00 PM	129.00	1.60	28.20	39.80	11.60	42.10	28.20	20.70	39.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 7:45:00 PM	131.00	2.30	132.70	48.50	0.00	37.90	132.70	20.50	48.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 8:00:00 PM	109.00	1.20	115.60	35.20	0.00	27.10	115.60	18.50	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 8:15:00 PM	148.00	2.20	67.00	31.20	0.00	35.40	67.00	32.70	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 8:30:00 PM	140.00	1.60	129.70	27.90	0.00	27.20	129.70	23.60	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 8:45:00 PM	174.00	1.30	50.70	24.70	0.00	29.80	50.70	27.00	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 9:00:00 PM	146.00	1.20	52.20	29.20	0.00	34.40	52.20	18.30	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 9:15:00 PM	155.00	2.40	47.80	37.90	0.00	42.70	47.80	22.80	37.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 9:30:00 PM	165.00	2.00	40.10	43.30	3.20	44.40	40.10	20.00	43.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 9:45:00 PM	159.00	1.90	47.90	29.10	0.00	30.00	47.90	20.40	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 10:00:00 PM	148.00	1.60	37.40	28.70	0.00	24.50	37.40	28.50	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 10:15:00 PM	136.00	2.20	40.60	23.60	0.00	29.20	40.60	23.30	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 10:30:00 PM	134.00	1.50	41.60	28.10	0.00	44.40	41.60	22.10	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 10:45:00 PM	151.00	1.70	33.90	27.80	0.00	29.20	33.90	22.90	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:00:00 PM	163.00	1.50	36.50	26.40	0.00	27.10	36.50	20.80	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:15:00 PM	179.00	1.50	38.70	27.60	0.00	20.70	38.70	20.20	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/14/2012 11:30:00 PM	160.00	1.50	29.80	20.50	0.00	20.90	29.80	22.80	20.50	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	
6/14/2012 11:45:00 PM	160.00	1.50	23.40	19.00	0.00	20.50	23.40	24.30	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
06/15/2012	173.00	2.30	20.50	18.20	0.00	20.90	20.50	23.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 12:15:00 AM	173.00	1.80	20.90	18.60	0.00	24.30	20.90	22.50	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 12:30:00 AM	168.00	2.60	25.90	18.00	0.00	23.00	25.90	23.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 12:45:00 AM	173.00	3.40	23.90	20.20	0.00	21.90	23.90	21.20	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 1:00:00 AM	186.00	3.60	21.10	22.60	1.60	22.60	31.10	21.10	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 1:15:00 AM	172.00	4.00	26.30	28.60	2.30	22.30	26.30	19.80	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 1:30:00 AM	172.00	3.10	18.30	17.90	8.60	26.60	18.30	21.00	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 1:45:00 AM	174.00	3.70	22.60	22.30	0.00	21.00	22.60	23.90	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 2:00:00 AM	168.00	3.50	23.30	28.80	5.50	21.60	23.30	20.50	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 2:15:00 AM	162.00	3.30	19.30	24.20	4.90	22.80	19.30	19.20	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 2:30:00 AM	192.00	2.70	17.10	18.50	1.40	18.50	16.10	17.10	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/15/2012 2:45:00 AM	196.00	1.80	16.90	16.00	0.00	16.00	15.50	16.90	19.50	0.00	0.							



Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
6/16/2012 12:30:00 PM	208.00	6.80	26.20	31.20	5.00	31.20	30.30	26.20	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 12:45:00 PM	186.00	4.60	26.00	33.00	7.00	33.00	28.70	26.00	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 1:00:00 PM	224.00	7.20	25.40	32.60	7.30	32.60	24.90	25.40	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 1:15:00 PM	204.00	4.70	23.40	29.30	5.90	29.30	25.90	23.40	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 1:30:00 PM	211.00	5.90	23.40	28.80	5.50	28.80	21.40	23.40	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 1:45:00 PM	228.00	7.10	22.10	27.20	5.10	27.20	21.10	22.10	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 2:00:00 PM	204.00	9.20	22.60	27.50	4.90	27.50	23.00	22.60	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 2:15:00 PM	246.00	6.70	20.70	25.30	4.60	25.30	23.60	20.70	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 2:30:00 PM	244.00	11.80	21.20	25.50	4.30	25.50	24.10	21.20	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 2:45:00 PM	261.00	7.70	20.50	23.80	3.30	23.80	23.30	20.50	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 3:00:00 PM	216.00	6.90	20.40	23.80	3.40	23.80	24.30	20.40	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 3:15:00 PM	206.00	6.60	20.80	23.70	3.00	23.70	22.70	20.80	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 3:30:00 PM	230.00	6.30	19.90	23.40	3.50	23.40	22.70	19.90	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 3:45:00 PM	239.00	6.50	18.40	20.50	2.10	20.50	20.40	18.40	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 4:00:00 PM	217.00	7.40	16.90	18.00	1.20	18.00	19.90	16.90	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 4:15:00 PM	208.00	5.30	16.10	17.50	1.40	17.50	19.40	16.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 4:30:00 PM	197.00	4.90	15.90	17.40	1.50	17.40	19.50	15.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 4:45:00 PM	185.00	5.90	15.50	17.30	1.80	17.30	19.60	15.50	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 5:00:00 PM	193.00	7.70	15.80	17.50	1.70	17.50	20.20	15.80	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 5:15:00 PM	189.00	4.80	15.70	19.30	3.50	19.30	23.30	15.70	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 5:30:00 PM	194.00	7.30	21.20	25.00	3.90	25.00	28.60	21.20	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 5:45:00 PM	169.00	8.20	28.00	20.60	0.00	23.60	28.00	19.50	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 6:00:00 PM	180.00	7.20	19.80	25.20	5.40	25.20	27.40	19.80	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 6:15:00 PM	178.00	9.00	31.50	22.20	0.00	53.60	31.50	21.80	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 6:30:00 PM	186.00	5.70	23.80	17.70	28.00	51.70	31.70	23.80	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 6:45:00 PM	215.00	3.90	22.60	40.80	18.20	40.80	23.60	22.60	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 7:00:00 PM	189.00	7.80	17.20	59.20	42.00	59.20	28.70	17.20	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 7:15:00 PM	188.00	8.90	19.70	38.50	18.80	38.50	20.40	19.70	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 7:30:00 PM	182.00	8.10	17.20	18.60	1.30	18.60	17.20	17.20	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 7:45:00 PM	195.00	8.50	17.10	18.80	1.70	18.80	18.50	17.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 8:00:00 PM	193.00	7.60	16.50	18.90	2.50	18.90	17.80	16.50	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 8:15:00 PM	199.00	8.90	18.60	19.90	0.80	19.40	20.80	18.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 8:30:00 PM	187.00	7.30	19.60	19.30	0.00	19.30	20.50	19.60	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 8:45:00 PM	156.00	6.60	14.10	12.90	0.00	14.30	14.10	13.80	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 9:00:00 PM	165.00	6.60	17.10	17.20	0.10	17.10	17.10	16.70	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 9:15:00 PM	173.00	8.70	14.80	14.00	0.00	14.00	14.80	14.20	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 9:30:00 PM	153.00	9.30	14.10	16.00	1.90	13.60	14.10	14.30	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 9:45:00 PM	183.00	7.50	15.20	14.70	0.00	14.70	14.20	15.20	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 10:00:00 PM	205.00	7.80	15.20	22.80	7.60	22.80	14.80	15.20	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 10:15:00 PM	195.00	6.60	16.40	25.60	9.20	25.60	15.20	16.40	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 10:30:00 PM	255.00	5.40	12.30	18.30	6.00	18.30	11.00	12.30	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 10:45:00 PM	239.00	9.50	11.70	11.70	0.00	11.70	8.30	11.70	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 11:00:00 PM	184.00	3.10	10.40	8.40	0.00	8.40	7.40	10.40	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 11:15:00 PM	218.00	4.10	8.50	7.10	0.00	7.10	6.70	8.50	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 11:30:00 PM	258.00	4.10	8.10	7.70	0.00	7.70	7.40	8.10	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2012 11:45:00 PM	155.00	4.10	8.70	11.70	3.00	12.40	8.70	9.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/17/2012	168.00	2.80	9.10	11.00	1.90	9.80	9.10	11.70	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 12:15:00 AM	168.00	3.30	9.20	10.50	1.30	8.10	9.20	10.10	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 12:30:00 AM	206.00	4.50	10.90	7.00	0.00	7.00	8.80	10.90	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 12:45:00 AM	179.00	2.30	9.50	8.70	0.00	7.00	9.50	9.90	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 1:00:00 AM	176.00	3.20	9.90	10.60	0.70	7.40	9.90	10.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 1:15:00 AM	200.00	3.40	8.80	5.40	0.00	5.40	7.00	8.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 1:30:00 AM	154.00	3.40	5.80	7.20	1.40	4.70	5.80	8.10	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 1:45:00 AM	201.00	2.60	7.00	4.00	0.00	4.00	5.00	7.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 2:00:00 AM	156.00	4.20	4.00	5.10	1.10	3.40	4.00	6.20	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 2:15:00 AM	172.00	3.10	3.90	5.20	1.30	3.40	3.90	6.10	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 2:30:00 AM	149.00	3.50	4.20	5.20	1.10	3.50	4.20	6.20	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 2:45:00 AM	180.00	2.10	6.60	3.70	0.00	3.70	4.60	6.60	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 3:00:00 AM	131.00	2.80	3.60	5.00	1.40	2.90	3.60	5.90	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 3:15:00 AM	169.00	3.00	4.00	4.10	0.10	3.00	4.00	5.60	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 3:30:00 AM	158.00	2.50	3.30	3.40	0.00	2.70	3.30	6.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 3:45:00 AM	155.00	2.80	5.00	4.70	0.00	4.30	5.00	5.20	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 4:00:00 AM	210.00	2.30	5.20	3.80	0.00	3.80	5.30	5.20	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 4:15:00 AM	0.00	0.00	0.00	0.00	0.00	2.80	4.60	4.60	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2012 4:30:00 AM	0.00	0.00	0.00	0.00													













Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/22/2012 5:00:00 PM	113.00	3.60	21.00	15.80	0.00	27.30	21.00	18.40	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 5:15:00 PM	127.00	4.30	104.60	21.00	0.00	20.30	104.60	17.60	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 5:30:00 PM	113.00	4.70	168.40	15.90	0.00	19.20	168.40	15.10	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 5:45:00 PM	80.00	6.70	26.00	24.50	0.00	26.00	29.00	24.50	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 6:00:00 PM	101.00	4.00	47.30	32.50	0.00	50.10	47.30	36.70	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 6:15:00 PM	100.00	3.90	60.90	25.70	0.00	26.90	60.90	44.80	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 6:30:00 PM	78.00	4.90	40.30	29.90	0.00	40.30	34.30	29.90	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 6:45:00 PM	114.00	4.80	25.20	25.20	0.10	30.10	25.20	19.10	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 7:00:00 PM	122.00	3.50	38.00	29.70	0.00	32.30	38.00	29.90	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 7:15:00 PM	117.00	3.70	47.00	30.00	0.00	23.40	47.00	28.90	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 7:30:00 PM	117.00	3.70	40.90	27.30	0.00	20.30	40.90	29.00	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 7:45:00 PM	122.00	3.10	33.10	15.70	0.00	16.60	33.10	24.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 8:00:00 PM	140.00	2.10	15.00	11.10	0.00	10.90	15.00	13.60	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 8:15:00 PM	178.00	1.70	17.20	14.40	0.00	14.70	17.20	16.80	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 8:30:00 PM	179.00	2.40	96.60	13.90	0.00	18.20	96.60	19.50	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 8:45:00 PM	198.00	2.50	22.70	17.80	0.00	17.80	72.00	22.70	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 9:00:00 PM	170.00	2.70	61.60	16.10	0.00	23.90	61.60	21.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 9:15:00 PM	169.00	2.00	64.60	26.40	0.00	42.20	64.60	25.00	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 9:30:00 PM	178.00	2.60	33.40	29.30	0.00	31.20	33.40	24.90	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 9:45:00 PM	186.00	2.90	17.50	14.80	0.00	14.80	21.30	17.50	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 10:00:00 PM	176.00	2.70	19.70	11.60	0.00	14.90	19.70	14.60	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 10:15:00 PM	179.00	2.40	30.30	15.30	0.00	30.00	30.30	16.90	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 10:30:00 PM	197.00	3.10	16.30	21.10	4.80	21.10	19.60	16.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 10:45:00 PM	176.00	3.60	20.00	11.70	0.00	21.50	20.00	15.70	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 11:00:00 PM	202.00	2.90	15.90	14.40	0.00	14.40	19.90	15.90	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 11:15:00 PM	188.00	3.70	16.00	14.80	0.00	14.80	19.60	16.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 11:30:00 PM	213.00	2.50	16.90	14.80	0.00	14.80	19.20	16.90	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/22/2012 11:45:00 PM	217.00	2.90	17.90	14.80	0.00	14.80	19.90	17.90	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
06/23/2012	149.00	1.30	22.00	16.90	0.00	15.70	22.00	19.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 12:15:00 AM	194.00	1.60	17.70	18.10	0.40	18.10	22.60	17.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 12:30:00 AM	157.00	1.70	25.70	15.30	0.00	18.00	25.70	16.70	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 12:45:00 AM	149.00	2.00	24.60	15.40	0.00	17.90	24.60	17.70	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 1:00:00 AM	192.00	2.00	17.40	22.50	5.10	22.50	29.10	17.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 1:15:00 AM	168.00	1.70	37.60	21.90	0.00	36.20	37.60	19.40	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 1:30:00 AM	198.00	2.40	22.00	27.30	5.30	27.30	33.80	22.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 1:45:00 AM	122.00	0.90	33.00	19.60	0.00	27.30	33.00	22.10	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 2:00:00 AM	207.00	1.30	22.10	25.80	3.60	25.80	32.60	22.10	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 2:15:00 AM	150.00	1.40	35.60	21.10	0.00	26.30	35.60	23.80	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 2:30:00 AM	138.00	0.50	38.70	22.80	0.00	26.30	38.70	25.40	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 2:45:00 AM	203.00	1.10	24.70	31.20	6.50	31.20	82.10	24.70	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 3:00:00 AM	230.00	1.10	24.90	29.70	4.80	29.70	41.50	24.90	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 3:15:00 AM	199.00	1.30	24.00	27.50	3.50	27.50	38.90	24.00	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 3:30:00 AM	219.00	1.60	24.70	27.70	3.10	27.70	37.30	24.70	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 3:45:00 AM	166.00	0.80	38.40	25.00	0.00	26.50	38.40	24.40	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 4:00:00 AM	190.00	1.40	23.90	27.40	3.50	27.40	37.60	23.90	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 4:15:00 AM	122.00	1.10	36.60	21.70	0.00	25.40	36.60	23.60	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 4:30:00 AM	218.00	0.70	22.50	24.80	2.30	24.80	33.70	22.50	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 4:45:00 AM	157.00	1.30	33.70	21.30	0.00	24.00	33.70	23.40	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 5:00:00 AM	161.00	1.50	34.30	21.30	0.00	24.10	34.30	23.20	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 5:15:00 AM	137.00	1.20	40.90	21.30	0.00	30.20	40.90	23.20	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 5:30:00 AM	151.00	1.50	39.60	27.10	0.00	29.90	39.60	22.80	27.10	0.00	0.90	0.90	0.90	0.90	0.00	0.00	0.00	
6/23/2012 5:45:00 AM	206.00	1.10	23.90	33.50	9.60	33.50	38.60	23.90	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.40	
6/23/2012 6:00:00 AM	176.00	1.00	44.40	24.60	0.00	35.90	44.40	28.00	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 6:15:00 AM	201.00	1.30	25.70	39.60	14.00	39.60	41.20	25.70	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 6:30:00 AM	261.00	0.70	25.80	40.30	14.40	40.30	46.10	25.80	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 6:45:00 AM	205.00	0.50	24.80	41.20	16.50	41.20	47.80	24.80	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 7:00:00 AM	229.00	0.70	24.90	31.90	7.00	31.90	37.90	24.90	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 7:15:00 AM	240.00	0.70	24.80	29.10	4.40	29.10	37.40	24.80	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 7:30:00 AM	212.00	0.80	24.50	26.40	1.90	26.40	32.10	24.50	23.90	0.50	0.00	0.00	0.00	0.00	0.00	0.50	0.00	
6/23/2012 7:45:00 AM	153.00	1.50	33.30	25.30	0.00	27.50	33.30	25.90	25.30	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	
6/23/2012 8:00:00 AM	226.00	1.50	26.30	29.20	2.90	29.20	34.40	26.30	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 8:15:00 AM	158.00	1.10	36.90	45.10	8.20	31.30	36.90	27.90	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 8:30:00 AM	134.00	1.30	39.70	52.10	12.40	39.80	39.70	30.50	52.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/23/2012 8:45:00 AM	268.00	0.80	32.60	49.70	17.10	49.70	46.30	32.60	39.50	0.00	0.00							

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
6/23/2012 5:45:00 PM	65.00	3.60	33.90	29.80	0.00	33.90	30.80	29.80	43.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 6:00:00 PM	71.00	3.80	36.40	25.00	0.00	36.40	32.30	25.00	44.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 6:15:00 PM	137.00	3.70	31.20	51.80	20.50	59.90	31.20	23.10	51.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 6:30:00 PM	128.00	3.10	26.40	51.50	25.10	55.50	26.40	46.70	51.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 6:45:00 PM	84.00	1.70	19.70	47.70	28.00	19.70	61.70	47.70	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 7:00:00 PM	87.00	3.00	24.70	35.50	10.80	24.70	107.50	35.50	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 7:15:00 PM	82.00	2.30	95.20	75.70	0.00	95.20	32.80	75.70	90.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 7:30:00 PM	90.00	3.40	22.00	31.20	9.10	26.30	22.00	19.90	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 7:45:00 PM	131.00	4.20	23.20	28.30	5.10	23.00	23.20	18.60	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 8:00:00 PM	115.00	3.00	20.50	23.50	3.00	21.90	20.50	21.50	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 8:15:00 PM	122.00	3.30	23.30	27.40	4.10	21.70	23.30	20.40	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 8:30:00 PM	92.00	1.60	17.30	25.70	8.40	23.30	17.30	23.40	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 8:45:00 PM	119.00	3.40	14.10	17.10	3.10	10.20	14.10	13.00	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 9:00:00 PM	89.00	1.50	9.10	12.30	3.20	9.10	11.80	12.30	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 9:15:00 PM	126.00	2.90	14.10	9.70	0.00	8.20	14.10	13.30	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 9:30:00 PM	126.00	3.00	19.90	8.80	0.00	7.70	19.90	21.60	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 9:45:00 PM	128.00	1.90	17.80	8.80	0.00	7.80	17.80	18.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 10:00:00 PM	126.00	2.70	12.20	8.40	0.00	7.20	12.20	19.60	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 10:15:00 PM	137.00	2.00	10.00	9.80	0.00	7.60	10.00	11.70	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 10:30:00 PM	145.00	1.20	13.50	10.30	0.00	8.90	13.50	12.60	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 10:45:00 PM	122.00	1.20	15.00	11.70	0.00	8.90	15.00	16.70	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 11:00:00 PM	115.00	0.80	21.40	13.20	0.00	9.80	21.40	18.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 11:15:00 PM	222.00	1.00	24.90	15.40	0.00	15.40	35.00	24.90	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 11:30:00 PM	209.00	0.80	26.60	35.50	8.90	35.50	43.00	26.60	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2012 11:45:00 PM	113.00	0.80	46.80	54.80	8.00	45.10	46.80	30.20	54.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/24/2012	178.00	0.70	44.30	55.90	11.70	51.50	44.30	38.80	55.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 12:15:00 AM	0.00	0.00	0.00	0.00	0.00	56.90	50.10	38.10	64.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 12:30:00 AM	178.00	0.50	43.00	47.70	4.70	43.30	43.00	36.90	47.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 12:45:00 AM	195.00	0.90	33.70	42.40	8.70	42.40	40.60	33.70	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 1:00:00 AM	154.00	0.60	36.40	42.00	5.60	39.80	36.40	31.90	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 1:15:00 AM	171.00	1.40	34.40	39.10	4.70	35.60	34.40	31.70	39.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 1:30:00 AM	156.00	1.30	33.70	37.70	4.00	32.90	33.70	31.60	37.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 1:45:00 AM	168.00	1.00	35.30	37.00	1.60	32.40	35.30	32.20	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 2:00:00 AM	164.00	1.20	34.90	35.80	0.90	32.80	34.90	32.20	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 2:15:00 AM	169.00	1.80	38.60	35.70	0.00	32.90	38.60	33.70	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 2:30:00 AM	171.00	1.50	38.20	35.80	0.00	32.50	38.20	35.00	35.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 2:45:00 AM	181.00	1.90	35.60	33.90	0.00	33.90	47.00	35.60	38.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 3:00:00 AM	167.00	1.30	56.90	46.00	0.00	36.30	56.90	39.10	46.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
6/24/2012 3:15:00 AM	159.00	1.60	53.90	52.90	0.00	47.10	53.90	50.80	52.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 3:30:00 AM	181.00	1.50	48.60	47.20	0.00	47.20	57.20	48.60	51.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 3:45:00 AM	173.00	1.80	52.20	52.30	0.10	44.60	52.20	42.00	52.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 4:00:00 AM	182.00	1.30	39.20	38.00	0.00	38.00	47.80	39.20	45.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 4:15:00 AM	199.00	1.40	39.20	35.00	0.00	35.00	46.10	39.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 4:30:00 AM	199.00	1.10	37.30	33.20	0.00	33.20	43.50	37.30	41.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 4:45:00 AM	209.00	1.40	34.70	30.90	0.00	30.90	40.00	34.70	39.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 5:00:00 AM	208.00	1.50	32.70	29.80	0.00	29.80	36.80	32.70	36.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 5:15:00 AM	216.00	1.40	32.40	31.40	0.00	31.40	34.10	32.40	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 5:30:00 AM	224.00	0.90	31.20	32.40	1.30	32.40	32.00	31.20	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 5:45:00 AM	200.00	1.10	26.00	31.10	5.10	31.10	28.90	26.00	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 6:00:00 AM	217.00	1.60	24.60	30.10	5.50	30.10	28.10	24.60	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 6:15:00 AM	197.00	1.10	25.30	25.00	0.00	25.00	28.40	25.30	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 6:30:00 AM	206.00	1.10	26.10	25.20	0.00	25.20	23.40	26.10	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 6:45:00 AM	177.00	1.20	23.60	26.20	2.60	25.70	23.60	26.20	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 7:00:00 AM	211.00	2.80	25.60	23.90	0.00	23.90	24.20	25.60	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2012 7:15:00 AM	191.00	3.00	24.80	22.90	0.00	22.90	24.90	24.80	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 10:00:00 AM	349.00	2.20	15.20	57.60	42.40	19.40	57.60	36.80	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 10:15:00 AM	329.00	1.00	15.40	59.80	44.30	25.20	59.80	32.50	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 10:30:00 AM	96.00	1.40	31.40	16.70	0.00	17.80	31.40	33.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 10:45:00 AM	195.00	2.50	28.80	45.50	16.60	45.50	105.30	28.80	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 11:00:00 AM	197.00	1.90	33.90	17.70	0.00	17.70	58.30	33.90	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 11:15:00 AM	213.00	1.20	28.30	20.70	0.00	20.70	36.60	28.30	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 11:30:00 AM	209.00	0.90	82.10	27.70	0.00	27.70	62.70	82.10	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 11:45:00 AM	128.00	4.00	33.20	17.80	0.00	24.70	33.20	66.40	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 12:00:00 PM	40.00	1.90	41.90	30.50	0.00	41.90	35.80	30.50	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 12:15:00 PM	100.00	2.30	49.60	22.70	0.00	41.30	49.60	34.20	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 12:30:00 PM	35.00	5.60	107.00	39.20	0.00	107.00	46.20	39.20	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2012 12:45:00 PM	33.00	3.40	164.30	63.30	0.00	164.30	57.10	63.30	54.40	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  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/26/2012 9:00:00 PM	132.00	2.40	34.40	17.90	0.00	28.30	34.40	30.00	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 9:15:00 PM	115.00	2.60	48.40	17.20	0.00	15.40	48.40	31.10	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 9:30:00 PM	87.00	1.40	15.90	27.30	11.40	15.90	33.80	27.30	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 9:45:00 PM	129.00	3.10	29.40	11.70	0.00	11.60	29.40	21.10	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 10:00:00 PM	99.00	1.40	26.90	9.00	0.00	11.20	26.90	17.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 10:15:00 PM	122.00	1.10	19.60	10.20	0.00	13.90	19.60	17.10	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 10:30:00 PM	125.00	1.20	28.20	10.70	0.00	12.50	28.20	19.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 10:45:00 PM	116.00	0.10	30.50	14.30	0.00	15.90	30.50	21.60	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 11:00:00 PM	150.00	0.60	30.10	16.90	0.00	15.50	30.10	22.50	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 11:15:00 PM	134.00	1.70	38.10	13.10	0.00	12.10	38.10	20.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 11:30:00 PM	212.00	1.50	21.30	20.60	0.00	20.60	35.80	21.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/26/2012 11:45:00 PM	211.00	1.00	28.30	19.30	0.00	19.30	30.90	28.30	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
06/27/2012	237.00	0.60	27.90	24.10	0.00	24.10	39.30	27.90	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:15:00 AM	210.00	0.50	27.30	31.60	4.30	31.60	29.00	27.30	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:30:00 AM	198.00	2.20	25.40	32.00	6.60	32.00	33.40	25.40	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:45:00 AM	188.00	3.20	26.60	23.10	0.00	23.10	35.90	26.60	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 1:00:00 AM	188.00	2.00	29.60	28.20	0.00	28.20	43.70	29.60	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 1:15:00 AM	187.00	2.50	30.40	38.20	7.70	38.20	44.40	30.40	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 1:30:00 AM	194.00	2.60	45.10	41.70	0.00	41.70	52.20	45.10	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 1:45:00 AM	176.00	2.30	45.10	37.50	0.00	37.50	45.10	40.90	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 2:00:00 AM	175.00	2.40	33.40	32.80	0.00	28.00	33.40	35.10	32.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 2:15:00 AM	190.00	2.30	29.90	24.80	0.00	24.80	30.00	29.90	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 2:30:00 AM	181.00	2.60	28.20	21.30	0.00	21.30	24.80	28.20	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 2:45:00 AM	194.00	2.00	23.90	19.90	0.00	19.90	24.60	23.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 3:00:00 AM	192.00	1.70	22.70	18.40	0.00	18.40	24.60	22.70	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 3:15:00 AM	189.00	1.90	23.30	25.70	2.40	25.70	24.10	23.30	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 3:30:00 AM	169.00	1.30	23.80	20.40	0.00	19.10	23.80	24.10	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 3:45:00 AM	178.00	1.40	23.90	21.40	0.00	22.30	23.90	25.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 4:00:00 AM	159.00	1.30	23.70	23.00	0.00	21.80	23.70	27.10	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 4:15:00 AM	159.00	1.40	24.60	27.40	2.70	18.80	24.60	28.00	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 4:30:00 AM	175.00	1.10	25.10	30.70	5.60	19.50	25.10	27.90	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 4:45:00 AM	173.00	1.90	29.20	28.00	0.00	21.50	29.20	26.30	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 5:00:00 AM	159.00	2.30	27.50	24.30	0.00	20.40	27.50	24.10	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 5:15:00 AM	173.00	2.10	32.20	23.60	0.00	19.80	32.20	24.00	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 5:30:00 AM	172.00	1.70	35.90	29.50	0.00	21.20	35.90	24.00	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 5:45:00 AM	183.00	2.70	22.80	22.40	0.00	22.40	31.60	22.80	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 6:00:00 AM	189.00	2.30	23.00	20.00	0.00	20.00	99.00	23.00	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 6:15:00 AM	197.00	2.80	22.30	20.80	0.00	20.80	48.60	22.30	47.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 6:30:00 AM	189.00	3.50	23.20	22.20	0.00	22.20	52.50	23.20	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 6:45:00 AM	208.00	3.70	24.20	41.80	17.70	41.80	36.20	24.20	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 7:00:00 AM	188.00	3.10	25.70	35.00	9.30	35.00	43.90	25.70	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 7:15:00 AM	213.00	5.70	24.50	26.10	1.50	26.10	26.60	24.50	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 7:30:00 AM	214.00	4.60	22.90	16.70	0.00	16.70	21.00	22.90	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 7:45:00 AM	220.00	4.90	20.40	15.40	0.00	15.40	18.20	20.40	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 8:00:00 AM	217.00	5.20	18.00	13.50	0.00	13.50	36.40	18.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 8:15:00 AM	199.00	4.30	129.40	19.20	0.00	19.20	44.40	129.40	94.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 8:30:00 AM	230.00	5.40	17.50	12.40	0.00	12.40	23.70	17.50	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 8:45:00 AM	230.00	5.60	17.50	13.30	0.00	13.30	15.20	17.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 9:00:00 AM	229.00	5.70	17.30	12.50	0.00	12.50	36.80	17.30	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 9:15:00 AM	223.00	5.80	18.10	15.10	0.00	15.10	15.30	18.10	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 9:30:00 AM	224.00	7.80	65.00	29.30	0.00	29.30	16.30	65.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 9:45:00 AM	209.00	4.50	18.60	19.30	0.80	19.30	22.60	18.60	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 10:00:00 AM	225.00	7.10	19.70	17.30	0.00	17.30	17.10	19.70	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 10:15:00 AM	242.00	10.30	19.00	17.30	0.00	17.30	19.60	19.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 10:30:00 AM	213.00	5.10	19.30	20.90	1.60	20.90	16.50	19.30	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 10:45:00 AM	228.00	8.60	19.70	22.50	2.90	22.50	18.10	19.70	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 11:00:00 AM	226.00	6.50	19.90	19.90	0.10	19.90	16.60	19.90	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 11:15:00 AM	203.00	7.20	18.50	19.10	0.60	19.10	17.60	18.50	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 11:30:00 AM	221.00	6.10	19.20	19.30	0.10	19.30	45.30	19.20	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 11:45:00 AM	204.00	6.40	19.20	21.60	2.40	21.60	31.00	19.20	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:00:00 PM	182.00	7.70	18.70	24.40	5.60	24.40	16.80	18.70	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:15:00 PM	199.00	5.60	25.30	25.50	0.20	25.50	16.00	25.30	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:30:00 PM	219.00	7.50	23.30	21.80	0.00	21.80	15.80	23.30	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/27/2012 12:45:00 PM	220.00	5.00	19.30	20.20	0.80	20.20	22.30	19.30	19.30	0.00	0.0							



Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/27/2012 9:45:00 PM	182.00	3.40	18.60	18.20	0.00	18.20	17.60	18.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 10:00:00 PM	179.00	4.60	18.20	18.00	0.00	17.80	18.20	20.30	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 10:15:00 PM	181.00	2.40	21.70	17.90	0.00	17.90	18.90	21.70	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 10:30:00 PM	204.00	2.10	21.50	16.40	0.00	16.40	19.00	21.50	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 10:45:00 PM	189.00	3.00	21.50	16.90	0.00	16.90	21.30	21.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 11:00:00 PM	186.00	3.10	22.20	16.20	0.00	16.20	22.00	22.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 11:15:00 PM	180.00	2.80	22.30	15.80	0.00	15.80	22.70	22.30	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 11:30:00 PM	188.00	3.00	19.80	16.50	0.00	16.50	24.30	19.80	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/27/2012 11:45:00 PM	191.00	3.20	18.60	16.70	0.00	16.70	24.10	18.60	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012	183.00	3.90	17.60	15.70	0.00	15.70	23.60	17.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:15:00 AM	193.00	3.40	19.40	15.50	0.00	15.50	22.30	19.40	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:30:00 AM	182.00	3.10	20.40	14.90	0.00	14.90	22.60	20.40	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:45:00 AM	193.00	3.50	21.10	15.60	0.00	15.60	23.20	21.10	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:00:00 AM	202.00	3.50	20.90	15.60	0.00	15.60	22.20	20.90	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:15:00 AM	192.00	3.30	22.20	16.10	0.00	16.10	23.50	22.20	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:30:00 AM	205.00	3.80	21.50	16.30	0.00	16.30	23.60	21.50	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:45:00 AM	201.00	4.10	19.70	16.20	0.00	16.20	22.60	19.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:00:00 AM	203.00	3.60	19.60	15.50	0.00	15.50	22.90	19.60	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:15:00 AM	214.00	3.10	21.40	14.70	0.00	14.70	20.30	21.40	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:30:00 AM	199.00	3.50	17.60	14.20	0.00	14.20	20.50	17.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:45:00 AM	0.00	0.00	0.00	0.00	0.00	14.00	19.00	17.60	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 3:00:00 AM	0.00	0.00	0.00	0.00	0.00	13.20	18.30	17.60	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 3:15:00 AM	258.00	2.90	18.40	13.50	0.00	13.50	17.80	18.40	17.40	0.20	0.20	0.20	0.20	0.20	0.20	0.20		
6/28/2012 3:30:00 AM	226.00	4.30	18.80	14.20	0.00	14.20	17.40	18.80	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 3:45:00 AM	242.00	3.90	20.20	15.10	0.00	15.10	19.10	20.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 4:00:00 AM	239.00	3.50	20.30	16.70	0.00	16.70	18.30	20.30	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 4:15:00 AM	234.00	3.40	23.10	18.70	0.00	18.70	20.50	23.10	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 4:30:00 AM	237.00	3.20	24.40	19.20	0.00	19.20	23.50	24.40	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 4:45:00 AM	239.00	2.60	23.40	19.00	0.00	19.00	24.50	23.40	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 5:00:00 AM	246.00	3.90	23.10	18.30	0.00	18.30	24.10	23.10	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 5:15:00 AM	222.00	2.80	21.90	19.00	0.00	19.00	22.70	21.90	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 5:30:00 AM	212.00	3.60	21.00	19.00	0.00	19.00	22.50	21.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 5:45:00 AM	217.00	2.90	20.90	18.50	0.00	18.50	27.60	20.90	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 6:00:00 AM	224.00	3.50	22.70	20.80	0.00	20.80	32.70	22.70	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 6:15:00 AM	218.00	4.20	23.90	24.50	0.60	24.50	33.60	23.90	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 6:30:00 AM	227.00	3.60	24.90	28.50	3.60	28.50	32.30	24.90	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 6:45:00 AM	222.00	2.50	24.10	29.30	5.30	29.30	33.80	24.10	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 7:00:00 AM	230.00	3.90	25.90	31.70	5.80	31.70	43.90	25.90	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 7:15:00 AM	261.00	3.90	26.70	32.90	6.20	32.90	48.40	26.70	28.60	0.00	5.70	5.70	5.70	5.70	5.70	5.70		
6/28/2012 7:30:00 AM	255.00	4.40	31.80	36.60	4.80	36.60	38.90	31.80	45.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 7:45:00 AM	258.00	5.20	30.50	36.90	6.40	36.90	112.20	30.50	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 8:00:00 AM	252.00	5.60	31.70	36.80	5.10	36.80	46.10	31.70	38.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 8:15:00 AM	273.00	4.90	48.80	59.00	10.10	38.20	59.00	33.20	48.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 8:30:00 AM	265.00	6.40	34.20	43.60	9.40	43.60	41.40	34.20	48.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 8:45:00 AM	230.00	5.20	36.80	46.10	9.30	46.10	103.30	36.80	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 9:00:00 AM	252.00	7.00	43.00	61.00	18.00	61.00	50.90	43.00	56.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 9:15:00 AM	253.00	6.50	49.40	55.50	6.10	55.50	59.80	49.40	54.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 9:30:00 AM	284.00	8.00	63.90	44.90	0.00	56.80	44.90	52.10	63.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 9:45:00 AM	260.00	6.60	47.60	57.00	9.40	57.00	72.50	47.60	64.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 10:00:00 AM	250.00	5.50	48.30	61.50	13.20	61.50	53.70	48.30	61.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 10:15:00 AM	254.00	6.10	47.40	62.50	15.10	62.50	57.80	47.40	62.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 10:30:00 AM	271.00	5.70	58.80	51.60	0.00	57.10	51.60	47.60	58.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 10:45:00 AM	233.00	5.10	49.40	60.70	11.30	60.70	73.30	49.40	66.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 11:00:00 AM	228.00	5.50	193.10	70.90	0.00	70.90	94.40	193.10	220.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 11:15:00 AM	267.00	7.20	56.00	65.20	9.30	65.20	71.50	56.00	128.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 11:30:00 AM	237.00	7.00	58.00	65.00	7.00	65.00	143.00	58.00	70.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 11:45:00 AM	271.00	5.80	68.60	79.50	10.90	64.70	79.50	55.20	68.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:00:00 PM	248.00	5.20	57.50	65.30	7.80	65.30	127.80	57.50	73.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:15:00 PM	234.00	6.90	54.70	72.10	17.30	72.10	89.40	54.70	72.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:30:00 PM	272.00	6.70	241.90	134.30	0.00	65.80	134.30	58.20	241.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 12:45:00 PM	251.00	5.30	72.00	65.50	0.00	65.50	75.00	72.00	195.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00		
6/28/2012 1:00:00 PM	268.00	4.20	56.30	63.30	7.00	63.30	64.20	56.30	77.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:15:00 PM	286.00	4.40	78.50	63.90	0.00	63.00	63.90	58.20	78.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:30:00 PM	272.00	4.10	152.60	85.40	0.00	65.50	85.40	85.70	152.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 1:45:00 PM	223.00	8.30	59.70	68.30	8.70	68.30	68.00	59.70	85.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:00:00 PM	254.00	4.60	167.30	69.50	0.00	69.50	153.60	167.30	198.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
6/28/2012 2:15:00 PM	260.00	7.50	97.70	77.40	0.00	77.40	93.90	97.70	131.50	0.00	0.00	0.00						

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
6/28/2012 10:30:00 PM	258.00	1.40	30.90	24.40	0.00	24.40	0.00	30.90	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/28/2012 10:45:00 PM	277.00	1.00	35.70	0.00	0.00	28.30	0.00	32.80	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/28/2012 11:00:00 PM	274.00	0.80	44.80	0.00	0.00	32.00	0.00	36.20	44.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/28/2012 11:15:00 PM	336.00	1.00	57.30	0.00	0.00	39.30	0.00	43.90	57.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/28/2012 11:30:00 PM	266.00	1.40	58.90	53.10	0.00	53.10	0.00	58.90	84.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/28/2012 11:45:00 PM	318.00	1.00	92.00	0.00	0.00	56.90	0.00	66.90	92.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
06/29/2012	299.00	1.00	84.50	0.00	0.00	59.50	0.00	66.40	84.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:15:00 AM	204.00	0.20	63.30	56.60	0.00	56.60	0.00	63.30	76.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:30:00 AM	226.00	0.30	60.00	53.00	0.00	53.00	0.00	60.00	79.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:45:00 AM	35.00	0.50	55.70	65.20	9.50	55.70	0.00	65.20	80.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:00:00 AM	0.00	0.00	0.00	0.00	0.00	54.60	0.00	66.00	78.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:15:00 AM	18.00	1.50	50.40	71.50	21.10	50.40	0.00	71.50	69.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:30:00 AM	122.00	0.60	0.00	60.40	0.00	48.30	0.00	62.60	60.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:45:00 AM	245.00	2.70	64.20	47.20	0.00	47.20	0.00	64.20	61.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:00:00 AM	328.00	0.70	69.20	0.00	0.00	50.30	0.00	62.20	69.20	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	
6/29/2012 2:15:00 AM	253.00	2.50	58.10	47.40	0.00	47.40	0.00	58.10	64.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:30:00 AM	48.00	0.70	44.20	53.60	9.40	44.20	0.00	53.60	59.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:45:00 AM	258.00	1.30	51.30	45.50	0.00	45.50	0.00	51.30	55.10	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	
6/29/2012 3:00:00 AM	17.00	0.90	42.30	47.10	4.80	42.30	0.00	47.10	51.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 3:15:00 AM	19.00	1.60	46.80	46.30	0.00	46.80	0.00	46.30	71.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 3:30:00 AM	24.00	4.50	60.10	58.60	0.00	60.10	0.00	58.60	79.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 3:45:00 AM	7.00	3.50	59.40	62.40	3.00	59.40	0.00	62.40	86.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 4:00:00 AM	358.00	4.50	85.40	0.00	0.00	61.40	0.00	71.60	85.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 4:15:00 AM	8.00	3.60	60.40	69.80	9.40	60.40	0.00	69.80	74.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 4:30:00 AM	0.00	2.40	48.70	53.80	5.10	48.70	0.00	53.80	61.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 4:45:00 AM	5.00	2.50	38.50	36.50	0.00	38.50	0.00	36.50	39.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 5:00:00 AM	340.00	2.40	34.00	0.00	0.00	34.10	0.00	31.80	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 5:15:00 AM	17.00	1.40	30.80	26.50	0.00	30.80	0.00	26.50	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 5:30:00 AM	45.00	1.00	32.40	24.70	0.00	32.40	0.00	24.70	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 5:45:00 AM	18.00	1.10	30.50	23.70	0.00	30.50	0.00	23.70	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 6:00:00 AM	37.00	3.50	27.90	22.30	0.00	27.90	0.00	22.30	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 6:15:00 AM	39.00	3.50	25.40	20.90	0.00	25.40	0.00	20.90	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 6:30:00 AM	34.00	3.30	24.40	20.10	0.00	24.40	0.00	20.10	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 6:45:00 AM	31.00	3.90	24.20	18.50	0.00	24.20	0.00	18.50	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 7:00:00 AM	54.00	1.80	21.50	18.70	0.00	21.50	0.00	18.70	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 7:15:00 AM	46.00	2.60	21.70	18.50	0.00	21.70	0.00	18.50	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 7:30:00 AM	100.00	2.20	0.00	26.40	0.00	19.40	0.00	16.70	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 7:45:00 AM	47.00	2.70	24.10	16.40	0.00	24.10	0.00	16.40	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 8:00:00 AM	64.00	2.20	27.30	21.10	0.00	27.30	0.00	21.10	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 8:15:00 AM	50.00	4.10	27.50	23.90	0.00	27.50	0.00	23.90	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 8:30:00 AM	75.00	3.40	34.50	32.00	0.00	34.50	0.00	32.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 8:45:00 AM	90.00	3.80	0.00	38.10	0.00	55.50	0.00	37.80	38.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 9:00:00 AM	77.00	3.40	37.00	40.40	3.40	37.00	0.00	40.40	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 9:15:00 AM	83.00	4.60	30.20	26.50	0.00	30.20	0.00	26.50	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 9:30:00 AM	56.00	5.00	26.30	33.50	7.30	26.30	0.00	33.50	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 9:45:00 AM	64.00	3.90	43.80	32.50	0.00	43.80	0.00	32.50	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 10:00:00 AM	90.00	3.40	0.00	40.90	0.00	37.40	0.00	21.70	40.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 10:15:00 AM	109.00	3.20	0.00	53.50	0.00	18.90	0.00	16.80	53.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 10:30:00 AM	60.00	2.70	42.90	15.30	0.00	42.90	0.00	15.30	51.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 10:45:00 AM	50.00	3.40	47.30	22.40	0.00	47.30	0.00	22.40	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 11:00:00 AM	33.00	2.90	27.60	20.60	0.00	27.60	0.00	20.60	51.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 11:15:00 AM	27.00	2.00	16.00	16.70	0.70	16.00	0.00	16.70	33.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 11:30:00 AM	49.00	3.40	19.10	16.70	0.00	19.10	0.00	16.70	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 11:45:00 AM	346.00	8.00	30.40	0.00	0.00	35.50	0.00	19.00	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:00:00 PM	354.00	9.30	41.70	0.00	0.00	52.40	0.00	37.70	41.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:15:00 PM	324.00	1.90	34.60	0.00	0.00	32.40	0.00	36.00	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:30:00 PM	315.00	1.20	44.80	0.00	0.00	28.60	0.00	30.40	44.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 12:45:00 PM	17.00	3.90	23.00	20.30	0.00	23.00	0.00	20.30	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:00:00 PM	23.00	6.10	15.90	20.10	4.20	15.90	0.00	20.10	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:15:00 PM	17.00	5.80	14.30	14.80	0.50	14.30	0.00	14.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:30:00 PM	33.00	3.80	16.30	18.30	2.00	16.30	0.00	18.30	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 1:45:00 PM	225.00	3.90	15.30	11.40	0.00	11.40	0.00	15.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:00:00 PM	226.00	4.40	14.30	13.60	0.00	13.60	0.00	14.30	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:15:00 PM	201.00	3.00	14.90	16.00	1.10	16.00	0.00	14.90	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6/29/2012 2:30:00 PM	183.00	7.00	61.30	15.60	0													

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
6-1-12 to 6-30-12

Reading Date	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
6/29/2012 11:15:00 PM	289.00	5.50	39.10	0.00	0.00	43.20	0.00	56.70	39.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/29/2012 11:30:00 PM	185.00	1.90	35.20	27.30	0.00	27.30	0.00	35.20	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/29/2012 11:45:00 PM	310.00	1.80	25.20	0.00	0.00	28.90	0.00	40.20	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/30/2012	251.00	7.20	34.90	24.70	0.00	24.70	0.00	34.90	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:15:00 AM	255.00	7.70	28.10	19.80	0.00	19.80	0.00	28.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:30:00 AM	215.00	3.00	36.10	22.50	0.00	22.50	0.00	36.10	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:45:00 AM	96.00	0.60	0.00	27.30	0.00	26.70	0.00	41.00	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:00:00 AM	150.00	2.50	0.00	24.60	0.00	24.30	0.00	36.30	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:15:00 AM	150.00	1.40	0.00	19.70	0.00	19.50	0.00	30.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:30:00 AM	57.00	1.20	17.30	27.80	10.60	17.30	0.00	27.80	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:45:00 AM	143.00	2.50	0.00	18.30	0.00	16.30	0.00	28.40	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:00:00 AM	267.00	0.80	28.00	16.30	0.00	16.30	0.00	28.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:15:00 AM	196.00	1.40	28.60	16.60	0.00	16.60	0.00	28.60	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:30:00 AM	152.00	3.20	0.00	21.50	0.00	20.10	0.00	28.20	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:45:00 AM	159.00	3.00	0.00	24.70	0.00	24.60	0.00	31.60	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:00:00 AM	135.00	3.30	0.00	26.80	0.00	20.80	0.00	32.50	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:15:00 AM	185.00	1.60	31.60	18.90	0.00	18.90	0.00	31.60	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:30:00 AM	185.00	3.10	32.80	20.40	0.00	20.40	0.00	32.80	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:45:00 AM	195.00	4.20	32.80	22.40	0.00	22.40	0.00	32.80	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 4:00:00 AM	197.00	3.80	34.30	23.40	0.00	23.40	0.00	34.30	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 4:15:00 AM	250.00	2.90	40.00	27.30	0.00	27.30	0.00	40.00	31.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 4:30:00 AM	224.00	2.80	40.40	26.40	0.00	26.40	0.00	40.40	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 4:45:00 AM	211.00	3.20	36.40	22.90	0.00	22.90	0.00	36.40	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 5:00:00 AM	193.00	2.90	27.40	19.20	0.00	19.20	0.00	27.40	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 5:15:00 AM	214.00	3.80	24.70	16.30	0.00	16.30	0.00	24.70	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 5:30:00 AM	202.00	4.70	22.00	15.30	0.00	15.30	0.00	22.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 5:45:00 AM	197.00	2.30	21.40	15.10	0.00	15.10	0.00	21.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 6:00:00 AM	206.00	3.80	20.40	14.70	0.00	14.70	0.00	20.40	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 6:15:00 AM	211.00	2.20	18.90	13.80	0.00	13.80	0.00	18.90	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 6:30:00 AM	203.00	2.10	18.10	13.70	0.00	13.70	0.00	18.10	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 6:45:00 AM	220.00	2.80	18.40	13.60	0.00	13.60	0.00	18.40	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 7:00:00 AM	233.00	4.00	18.30	13.40	0.00	13.40	0.00	18.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 7:15:00 AM	228.00	3.00	19.20	13.10	0.00	13.10	0.00	19.20	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 7:30:00 AM	215.00	2.70	19.40	14.00	0.00	14.00	0.00	19.40	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 7:45:00 AM	253.00	3.20	18.50	12.60	0.00	12.60	0.00	18.50	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 8:00:00 AM	227.00	2.60	17.00	12.30	0.00	12.30	0.00	17.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 8:15:00 AM	245.00	3.30	16.40	11.90	0.00	11.90	0.00	16.40	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 8:30:00 AM	255.00	2.60	16.40	12.00	0.00	12.00	0.00	16.40	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 8:45:00 AM	230.00	3.60	16.50	12.00	0.00	12.00	0.00	16.50	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 9:00:00 AM	253.00	4.00	16.60	12.50	0.00	12.50	0.00	16.60	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 9:15:00 AM	267.00	6.10	16.40	12.90	0.00	12.90	0.00	16.40	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 9:30:00 AM	267.00	5.30	17.00	13.00	0.00	13.00	0.00	17.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 9:45:00 AM	261.00	3.50	17.00	13.20	0.00	13.20	0.00	17.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 10:00:00 AM	262.00	3.50	17.20	13.80	0.00	13.80	0.00	17.20	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 10:15:00 AM	224.00	2.50	17.40	14.00	0.00	14.00	0.00	17.40	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 10:30:00 AM	226.00	4.50	16.40	13.80	0.00	13.80	0.00	16.40	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 10:45:00 AM	251.00	3.70	17.10	15.10	0.00	15.10	0.00	17.10	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 11:00:00 AM	259.00	3.10	17.70	15.00	0.00	15.00	0.00	17.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 11:15:00 AM	235.00	4.50	17.80	15.00	0.00	15.00	0.00	17.80	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 11:30:00 AM	258.00	4.70	17.20	15.00	0.00	15.00	0.00	17.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 11:45:00 AM	252.00	6.60	17.70	16.00	0.00	16.00	0.00	17.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:00:00 PM	229.00	2.00	18.50	17.10	0.00	17.10	0.00	18.50	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:15:00 PM	224.00	0.90	19.00	17.50	0.00	17.50	0.00	19.00	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:30:00 PM	82.00	1.10	17.60	19.60	2.10	17.60	0.00	19.60	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 12:45:00 PM	151.00	1.20	0.00	16.30	0.00	18.70	0.00	20.30	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:00:00 PM	166.00	1.00	0.00	18.60	0.00	17.60	0.00	18.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:15:00 PM	182.00	1.10	20.00	19.60	0.00	19.60	0.00	20.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:30:00 PM	207.00	2.00	19.00	19.50	0.40	19.50	0.00	19.00	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 1:45:00 PM	234.00	1.90	19.80	19.80	0.10	19.80	0.00	19.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:00:00 PM	275.00	3.10	19.40	0.00	0.00	21.20	0.00	19.80	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:15:00 PM	239.00	3.70	19.40	20.30	0.90	20.30	0.00	19.40	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:30:00 PM	256.00	2.90	21.10	18.70	0.00	18.70	0.00	21.10	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 2:45:00 PM	258.00	6.00	20.40	19.80	0.00	19.80	0.00	20.40	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:00:00 PM	263.00	3.70	20.50	20.60	0.10	20.60	0.00	20.50	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:15:00 PM	247.00	4.20	20.00	19.30	0.00	19.30	0.00	20.00	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:30:00 PM	287.00	1.80	18.50	0.00	0.00	20.20	0.00	21.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 3:45:00 PM	219.00	1.30	19.40	19.30	0.00	19.30	0.00	19.40	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2012 4:00:00 PM	282.00	1.90	16.20	0.00												