



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/1/14 12:00 AM	201.00	2.60	15.00	23.40	8.40	23.40	23.80	15.00	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:15 AM	201.00	3.10	15.00	22.00	7.00	22.00	23.30	15.00	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:30 AM	208.00	2.80	15.00	21.10	6.10	21.10	23.30	15.00	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:45 AM	210.00	2.70	15.00	0.00	0.00	0.00	23.20	15.00	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:00 AM	198.00	2.50	15.00	21.00	6.00	21.00	24.70	15.00	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:15 AM	214.00	2.20	15.00	26.10	11.10	26.10	24.50	15.00	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:30 AM	215.00	2.60	15.00	28.60	13.60	28.60	26.40	15.00	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:45 AM	205.00	2.10	15.00	23.90	8.90	23.90	28.60	15.00	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:00 AM	210.00	2.60	15.00	22.50	7.50	22.50	27.00	15.00	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:15 AM	215.00	2.00	15.00	22.50	7.50	22.50	25.10	15.00	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:30 AM	229.00	1.90	15.00	22.00	7.00	22.00	24.20	15.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:45 AM	243.00	2.30	15.00	22.80	7.80	22.80	24.40	15.00	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:00 AM	314.00	2.00	29.70	23.90	0.00	21.20	23.90	15.00	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:15 AM	336.00	1.30	35.10	24.60	0.00	23.50	24.60	15.00	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:30 AM	261.00	0.70	15.00	0.00	0.00	0.00	27.20	15.00	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:45 AM	225.00	0.50	15.00	28.60	13.60	28.60	27.60	15.00	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:00 AM	212.00	0.50	15.00	28.00	13.00	28.00	27.60	15.00	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:15 AM	194.00	1.20	15.00	26.20	11.20	26.20	28.00	15.00	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:30 AM	217.00	1.20	15.00	25.50	10.50	25.50	29.90	15.00	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:45 AM	192.00	0.90	15.00	25.00	10.00	25.00	27.00	15.00	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 5:00 AM	257.00	0.70	15.00	25.00	10.00	25.00	25.90	15.00	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 5:15 AM	327.00	1.60	31.00	26.90	0.00	24.20	26.90	15.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 5:30 AM	258.00	0.80	15.00	25.50	10.50	25.50	26.70	15.00	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 5:45 AM	234.00	1.30	15.00	25.50	10.50	25.50	27.00	15.00	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 6:00 AM	278.00	0.90	31.90	27.10	0.00	25.80	27.10	15.00	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 6:15 AM	343.00	1.50	34.40	28.00	0.00	27.60	28.00	15.00	34.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 6:30 AM	345.00	4.30	34.80	28.60	0.00	27.60	28.60	15.00	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 6:45 AM	355.00	5.40	36.50	34.20	0.00	33.20	34.20	15.00	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 7:00 AM	3.00	10.20	40.50	15.00	0.00	40.50	46.30	15.00	41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 7:15 AM	1.00	8.50	42.20	15.00	0.00	42.20	40.50	15.00	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 7:30 AM	11.00	5.90	56.10	15.00	0.00	56.10	47.30	15.00	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 7:45 AM	9.00	6.90	50.70	15.00	0.00	50.70	48.60	15.00	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 8:00 AM	24.00	10.60	55.80	15.00	0.00	55.80	48.60	15.00	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 8:15 AM	12.00	6.90	50.20	15.00	0.00	50.20	43.60	15.00	35.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 8:30 AM	10.00	9.10	39.40	15.00	0.00	39.40	46.00	15.00	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 8:45 AM	2.00	10.70	38.30	15.00	0.00	38.30	38.00	15.00	37.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 9:00 AM	7.00	11.80	41.70	15.00	0.00	41.70	39.80	15.00	38.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 9:15 AM	3.00	9.30	37.80	15.00	0.00	37.80	38.10	15.00	37.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 9:30 AM	3.00	8.50	34.30	15.00	0.00	34.30	37.20	15.00	36.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 9:45 AM	359.00	9.60	34.00	33.20	0.00	31.40	33.20	15.00	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 10:00 AM	12.00	8.60	31.40	15.00	0.00	31.40	32.70	15.00	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 10:15 AM	7.00	8.20	35.70	15.00	0.00	35.70	34.10	15.00	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 10:30 AM	20.00	8.50	36.40	15.00	0.00	36.40	33.50	15.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 10:45 AM	4.00	12.70	38.90	15.00	0.00	38.90	31.10	15.00	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 11:00 AM	3.00	10.70	28.10	15.00	0.00	28.10	31.80	15.00	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 11:15 AM	3.00	9.50	29.30	15.00	0.00	29.30	28.40	15.00	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 11:30 AM	11.00	8.30	34.00	15.00	0.00	34.00	32.40	15.00	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 11:45 AM	358.00	9.50	28.60	26.80	0.00	0.00	26.80	15.00	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:00 PM	2.00	7.80	24.20	15.00	0.00	24.20	25.00	15.00	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:15 PM	7.00	7.50	25.70	15.00	0.00	25.70	28.80	15.00	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:30 PM	0.00	7.60	24.40	15.00	0.00	24.40	36.50	15.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 12:45 PM	7.00	7.50	36.20	15.00	0.00	36.20	34.40	15.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:00 PM	12.00	6.80	30.50	15.00	0.00	30.50	39.80	15.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:15 PM	13.00	8.50	22.70	15.00	0.00	22.70	25.20	15.00	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:30 PM	1.00	6.20	23.10	15.00	0.00	23.10	22.00	15.00	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 1:45 PM	12.00	8.60	27.00	15.00	0.00	27.00	21.10	15.00	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:00 PM	6.00	8.40	34.50	15.00	0.00	34.50	31.00	15.00	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:15 PM	18.00	10.30	18.10	15.00	0.00	18.10	20.60	15.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:30 PM	1.00	7.00	18.60	15.00	0.00	18.60	21.40	15.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 2:45 PM	10.00	6.70	0.00	15.00	0.00	0.00	21.50	15.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:00 PM	48.00	5.60	22.80	15.00	0.00	22.80	24.70	15.00	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:15 PM	10.00	5.10	27.60	15.00	0.00	27.60	32.30	15.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:30 PM	355.00	5.70	21.50	20.60	0.00	30.30	20.60	15.00	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 3:45 PM	10.00	7.20	22.30	15.00	0.00	22.30	32.90	15.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:00 PM	42.00	8.10	32.20	15.00	0.00	32.20	26.70	15.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:15 PM	1.00	8.10	26.00	15.00	0.00	26.00	34.20	15.00	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:30 PM	359.00	7.40	20.50	31.10	10.60	26.60	31.10	15.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 4:45 PM	26.00	7.50	94.90	15.00	0.00	94.90	25.70	15.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/14 5:00 PM	41.00	8.90	31.60	15.00	0.00	31.60	25.70	15.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/2/14 1:15 AM	8.00	6.30	17.80	15.00	0.00	17.80	48.80	15.00	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:30 AM	0.00	7.60	17.80	15.00	0.00	17.80	51.40	15.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:45 AM	3.00	8.60	17.70	15.00	0.00	17.70	51.70	15.00	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:00 AM	359.00	7.30	17.70	50.40	32.70	15.70	50.40	15.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:15 AM	0.00	8.10	15.40	15.00	0.00	15.40	49.40	15.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:30 AM	4.00	8.60	13.00	15.00	2.00	13.00	48.40	15.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:45 AM	10.00	7.60	0.00	15.00	0.00	0.00	56.60	15.00	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:00 AM	0.00	9.40	14.90	15.00	0.10	14.90	70.60	15.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:15 AM	349.00	9.30	20.70	38.70	18.00	16.00	38.70	15.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:30 AM	3.00	8.50	15.80	15.00	0.00	15.80	41.80	15.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:45 AM	1.00	8.60	15.30	15.00	0.00	15.30	37.30	15.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:00 AM	4.00	8.50	16.90	15.00	0.00	16.90	50.50	15.00	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:15 AM	0.00	7.40	16.30	15.00	0.00	16.30	42.90	15.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:30 AM	0.00	8.60	0.00	15.00	0.00	0.00	55.90	15.00	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:45 AM	14.00	8.30	15.80	15.00	0.00	15.80	43.70	15.00	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:00 AM	359.00	8.00	28.70	44.30	15.60	15.80	44.30	15.00	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:15 AM	2.00	7.30	15.40	15.00	0.00	15.40	62.10	15.00	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:30 AM	6.00	9.60	16.00	15.00	0.00	16.00	52.40	15.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:45 AM	355.00	8.70	24.80	53.30	28.50	18.00	53.30	15.00	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:00 AM	7.00	10.80	17.60	15.00	0.00	17.60	62.60	15.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:15 AM	353.00	6.20	21.50	66.40	44.90	18.00	66.40	15.00	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:30 AM	2.00	7.80	19.10	15.00	0.00	19.10	53.00	15.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:45 AM	0.00	9.60	18.60	15.00	0.00	18.60	49.70	15.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 7:00 AM	3.00	9.60	18.30	15.00	0.00	18.30	42.10	15.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 7:15 AM	0.00	7.60	0.00	15.00	0.00	0.00	39.90	15.00	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 7:30 AM	2.00	9.70	16.40	15.00	0.00	16.40	37.60	15.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 7:45 AM	1.00	6.70	16.00	15.00	0.00	16.00	33.70	15.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 8:00 AM	358.00	9.40	20.10	33.70	13.60	16.00	33.70	15.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 8:15 AM	359.00	8.80	18.70	32.50	13.80	15.00	32.50	15.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 8:30 AM	7.00	10.20	14.40	15.00	0.60	14.40	30.90	15.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 8:45 AM	10.00	7.40	14.40	15.00	0.60	14.40	30.60	15.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 9:00 AM	1.00	7.50	14.30	15.00	0.70	14.30	29.60	15.00	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 9:15 AM	2.00	8.10	14.50	15.00	0.50	14.50	29.50	15.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 9:30 AM	5.00	8.50	13.90	15.00	1.10	13.90	29.40	15.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 9:45 AM	4.00	7.00	13.70	15.00	1.30	13.70	28.40	15.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 10:00 AM	353.00	5.30	17.60	28.10	10.50	13.30	28.10	15.00	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 10:15 AM	1.00	6.90	12.80	15.00	2.20	12.80	27.70	15.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 10:30 AM	16.00	8.20	13.10	15.00	1.90	13.10	26.90	15.00	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 10:45 AM	7.00	6.90	13.20	15.00	1.80	13.20	27.10	15.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 11:00 AM	2.00	4.90	13.10	15.00	1.90	13.10	26.00	15.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 11:15 AM	317.00	4.90	17.50	27.90	10.40	14.20	27.90	15.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 11:30 AM	3.00	7.30	13.30	15.00	1.70	13.30	27.50	15.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 11:45 AM	15.00	7.20	12.60	15.00	2.40	12.60	24.90	15.00	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 12:00 PM	9.00	6.30	11.10	15.00	3.90	11.10	24.60	15.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 12:15 PM	28.00	7.10	11.50	15.00	3.50	11.50	23.70	15.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 12:30 PM	3.00	8.20	10.30	15.00	4.70	10.30	22.80	15.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 12:45 PM	4.00	7.70	10.00	15.00	5.00	10.00	22.50	15.00	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:00 PM	9.00	8.60	0.00	15.00	0.00	0.00	21.40	15.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:15 PM	7.00	7.70	10.30	15.00	4.70	10.30	20.80	15.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:30 PM	8.00	10.50	13.10	15.00	1.90	13.10	20.50	15.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 1:45 PM	5.00	10.10	11.60	15.00	3.40	11.60	20.90	15.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:00 PM	4.00	9.80	10.80	15.00	4.20	10.80	22.80	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:15 PM	5.00	10.00	10.90	15.00	4.10	10.90	20.90	15.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:30 PM	2.00	8.90	11.20	15.00	3.80	11.20	24.10	15.00	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 2:45 PM	25.00	9.30	14.70	15.00	0.30	14.70	26.30	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:00 PM	5.00	8.40	12.20	15.00	2.80	12.20	23.90	15.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:15 PM	7.00	13.20	12.50	15.00	2.50	12.50	24.10	15.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:30 PM	6.00	9.50	9.80	15.00	5.20	9.80	21.80	15.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 3:45 PM	1.00	11.50	11.50	15.00	3.50	11.50	19.70	15.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:00 PM	1.00	10.70	10.50	15.00	4.50	10.50	18.80	15.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:15 PM	8.00	11.80	9.60	15.00	5.40	9.60	18.10	15.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:30 PM	1.00	10.00	0.00	15.00	0.00	0.00	18.70	15.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 4:45 PM	2.00	9.10	9.60	15.00	5.40	9.60	17.50	15.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:00 PM	6.00	9.30	8.70	15.00	6.30	8.70	16.80	15.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:15 PM	4.00	11.30	11.30	15.00	3.70	11.30	18.60	15.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:30 PM	9.00	9.10	12.80	15.00	2.20	12.80	20.00	15.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 5:45 PM	8.00	11.00	8.80	15.00	6.20	8.80	16.20	15.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:00 PM	2.00	8.10	8.70	15.00	6.30	8.70	16.40	15.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:15 PM	10.00	10.00	10.30	15.00	4.70	10.30	17.60	15.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/14 6:30 PM	6.00	9.70	10.60	15.00	4.40	10.60										



**US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/3/14 2:30 AM	6.00	8.80	9.70	15.00	5.30	9.70	12.50	15.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 2:45 AM	1.00	8.00	10.20	15.00	4.80	10.20	12.90	15.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:00 AM	0.00	7.40	10.20	15.00	4.80	10.20	12.80	15.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:15 AM	356.00	7.40	8.30	12.70	4.40	10.30	12.70	15.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:30 AM	3.00	7.50	9.70	15.00	5.30	9.70	13.50	15.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:45 AM	2.00	9.90	9.80	15.00	5.20	9.80	12.50	15.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:00 AM	353.00	5.10	8.20	12.10	3.90	9.40	12.10	15.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:15 AM	351.00	5.80	7.70	12.00	4.30	9.70	12.00	15.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:30 AM	359.00	6.20	7.90	12.80	4.90	0.00	12.80	15.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:45 AM	7.00	9.70	9.60	15.00	5.40	9.60	13.40	15.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:00 AM	1.00	9.00	0.00	15.00	0.00	0.00	18.10	15.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:15 AM	7.00	8.60	11.70	15.00	3.30	11.70	18.80	15.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:30 AM	359.00	7.80	8.60	21.10	12.50	21.30	21.10	15.00	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:45 AM	355.00	4.70	8.70	18.50	9.80	14.30	18.50	15.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:00 AM	349.00	3.50	10.30	21.60	11.30	12.90	21.60	15.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:15 AM	356.00	5.40	11.30	20.60	9.30	18.20	20.60	15.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:30 AM	2.00	6.20	13.50	15.00	1.50	13.50	19.00	15.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:45 AM	2.00	6.20	12.80	15.00	2.20	12.80	16.10	15.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:00 AM	3.00	3.30	12.50	15.00	2.50	12.50	15.70	15.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:15 AM	353.00	4.20	10.90	15.40	4.50	11.90	15.40	15.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:30 AM	345.00	3.40	10.30	15.50	5.20	12.10	15.50	15.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:45 AM	358.00	2.40	10.00	15.70	5.70	13.20	15.70	15.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 8:00 AM	322.00	3.80	9.90	15.40	5.50	12.10	15.40	15.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 8:15 AM	269.00	3.20	15.00	11.30	0.00	11.30	16.20	15.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 8:30 AM	300.00	2.50	12.90	18.30	5.40	16.70	18.30	15.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 8:45 AM	308.00	3.80	13.20	20.20	7.00	17.00	20.20	15.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 9:00 AM	292.00	2.20	13.10	20.80	7.70	17.30	20.80	15.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 9:15 AM	282.00	1.80	14.60	22.70	8.10	17.30	22.70	15.00	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 9:30 AM	256.00	1.50	15.00	19.20	4.20	19.20	21.20	15.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 9:45 AM	245.00	1.20	15.00	22.80	7.80	22.80	21.70	15.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 10:00 AM	2.00	1.10	0.00	15.00	0.00	0.00	20.70	15.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 10:15 AM	131.00	4.00	15.70	9.90	0.00	11.30	15.70	15.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 10:30 AM	71.00	4.50	11.10	15.00	3.90	11.10	14.60	15.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 10:45 AM	125.00	3.00	14.30	9.20	0.00	10.30	14.30	15.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 11:00 AM	94.00	3.50	18.10	15.60	0.00	12.60	18.10	15.00	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 11:15 AM	58.00	2.50	16.80	15.00	0.00	16.80	18.10	15.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 11:30 AM	55.00	4.50	13.50	15.00	1.50	13.50	17.80	15.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 11:45 AM	89.00	4.10	10.90	15.00	4.10	10.90	14.10	15.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 12:00 PM	88.00	4.60	12.40	15.00	2.60	12.40	20.70	15.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 12:15 PM	52.00	3.80	10.20	15.00	4.80	10.20	18.40	15.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 12:30 PM	60.00	2.60	9.40	15.00	5.60	9.40	22.50	15.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 12:45 PM	53.00	2.70	9.20	15.00	5.80	9.20	16.40	15.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 1:00 PM	48.00	2.40	7.50	15.00	7.50	7.50	12.90	15.00	44.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 1:15 PM	57.00	1.40	9.10	15.00	5.90	9.10	13.90	15.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 1:30 PM	350.00	2.30	12.30	13.50	1.20	9.30	13.50	15.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 1:45 PM	354.00	3.40	11.50	11.60	0.10	7.70	11.60	15.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 2:00 PM	348.00	2.40	11.10	11.70	0.60	6.10	11.70	15.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 2:15 PM	3.00	2.70	6.10	15.00	8.90	6.10	11.60	15.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 2:30 PM	14.00	2.60	5.80	15.00	9.20	5.80	11.50	15.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 2:45 PM	0.00	2.70	6.10	15.00	8.90	6.10	11.30	15.00	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:00 PM	19.00	2.30	6.60	15.00	8.40	6.60	11.50	15.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:15 PM	1.00	3.30	5.50	15.00	9.50	5.50	10.30	15.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:30 PM	11.00	2.50	5.70	15.00	9.30	5.70	10.30	15.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 3:45 PM	29.00	2.10	0.00	15.00	0.00	0.00	10.10	15.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:00 PM	350.00	1.40	10.60	10.70	0.10	7.10	10.70	15.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:15 PM	17.00	2.00	7.10	15.00	7.90	7.10	12.20	15.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:30 PM	25.00	0.80	6.70	15.00	8.30	6.70	11.30	15.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 4:45 PM	64.00	1.60	0.00	15.00	0.00	0.00	11.10	15.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:00 PM	66.00	2.90	5.90	15.00	9.10	5.90	10.30	15.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:15 PM	59.00	2.90	10.10	15.00	4.90	10.10	14.30	15.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:30 PM	100.00	2.00	18.90	15.70	0.00	14.70	18.90	15.00	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 5:45 PM	95.00	2.00	23.20	19.40	0.00	15.60	23.20	15.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:00 PM	91.00	2.60	30.40	20.20	0.00	15.20	30.40	15.00	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:15 PM	128.00	4.40	24.40	27.80	3.40	14.90	24.40	15.00	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:30 PM	110.00	2.50	27.90	17.30	0.00	11.20	27.90	15.00	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 6:45 PM	123.00	4.30	25.30	16.30	0.00	9.10	25.30	15.00	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:00 PM	146.00	4.30	17.40	15.40	0.00	8.30	17.40	15.00	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:15 PM	147.00	3.90	21.20	16.50	0.00	8.50	21.20	15.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:30 PM	130.00	3.30	21.20	16.40	0.00	9.60	21.20	15.00	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/14 7:45 PM	159.00	2.20	16.70	17.50	0.80	15.80	16.70	15.0										



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March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/4/14 3:45 AM	196.00	1.70	15.00	28.70	13.70	28.70	32.40	15.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:00 AM	223.00	1.50	15.00	23.50	8.50	23.50	26.40	15.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:15 AM	236.00	1.50	15.00	19.80	4.80	19.80	24.10	15.00	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:30 AM	200.00	1.90	15.00	20.70	5.70	20.70	25.00	15.00	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:45 AM	176.00	2.70	25.20	23.10	0.00	19.70	25.20	15.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:00 AM	223.00	2.50	15.00	26.70	11.70	26.70	26.70	15.00	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:15 AM	209.00	2.80	15.00	19.40	4.40	19.40	24.70	15.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:30 AM	191.00	1.70	15.00	0.00	0.00	0.00	23.10	15.00	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:45 AM	234.00	1.90	15.00	19.40	4.40	19.40	22.90	15.00	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:00 AM	249.00	2.50	15.00	18.50	3.50	18.50	23.50	15.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:15 AM	244.00	2.60	15.00	18.90	3.90	18.90	23.40	15.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:30 AM	245.00	2.40	15.00	19.00	4.00	19.00	23.20	15.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:45 AM	208.00	2.20	15.00	0.00	0.00	0.00	22.90	15.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:00 AM	180.00	3.10	15.00	17.80	2.80	17.80	22.90	15.00	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:15 AM	201.00	2.50	15.00	17.80	2.80	17.80	21.90	15.00	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:30 AM	191.00	2.70	15.00	17.70	2.70	17.70	22.00	15.00	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:45 AM	203.00	4.00	15.00	25.60	10.60	25.60	25.50	15.00	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:00 AM	203.00	4.90	15.00	23.10	8.10	23.10	26.60	15.00	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:15 AM	216.00	3.70	15.00	19.10	4.10	19.10	22.70	15.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:30 AM	215.00	3.40	15.00	19.90	4.90	19.90	26.50	15.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:45 AM	203.00	3.40	15.00	26.40	11.40	26.40	27.10	15.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 9:00 AM	202.00	2.10	15.00	23.60	8.60	23.60	27.10	15.00	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 9:15 AM	222.00	3.60	15.00	25.80	10.80	25.80	26.40	15.00	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 9:30 AM	216.00	3.90	15.00	22.60	7.60	22.60	24.20	15.00	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 9:45 AM	221.00	3.40	15.00	21.60	6.60	21.60	23.80	15.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 10:00 AM	231.00	3.80	15.00	22.00	7.00	22.00	23.80	15.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 10:15 AM	220.00	5.10	15.00	21.00	6.00	21.00	23.40	15.00	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 10:30 AM	202.00	4.10	15.00	20.40	5.40	20.40	22.80	15.00	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 10:45 AM	214.00	4.40	15.00	0.00	0.00	0.00	23.40	15.00	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 11:00 AM	220.00	2.80	15.00	21.00	6.00	21.00	22.80	15.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 11:15 AM	217.00	4.70	15.00	19.40	4.40	19.40	22.20	15.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 11:30 AM	210.00	4.70	15.00	20.10	5.10	20.10	22.50	15.00	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 11:45 AM	215.00	3.40	15.00	19.20	4.20	19.20	22.00	15.00	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 12:00 PM	209.00	4.30	15.00	18.90	3.90	18.90	21.90	15.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 12:15 PM	212.00	3.50	15.00	18.30	3.30	18.30	21.70	15.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 12:30 PM	189.00	3.00	15.00	16.10	1.10	16.10	19.60	15.00	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 12:45 PM	244.00	4.50	15.00	15.70	0.70	15.70	17.90	15.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 1:00 PM	199.00	4.60	16.40	14.70	0.00	14.70	17.90	16.40	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 1:15 PM	236.00	3.50	17.30	15.20	0.00	15.20	18.40	17.30	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 1:30 PM	210.00	5.40	16.50	14.60	0.00	14.60	18.10	16.50	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 1:45 PM	226.00	3.70	17.50	15.30	0.00	15.30	19.00	17.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 2:00 PM	223.00	4.40	18.90	15.80	0.00	15.80	18.70	18.90	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 2:15 PM	227.00	3.80	18.50	16.00	0.00	16.00	19.30	18.50	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 2:30 PM	225.00	2.60	18.80	15.70	0.00	15.70	19.20	18.80	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 2:45 PM	199.00	3.00	18.20	16.00	0.00	16.00	20.10	18.20	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 3:00 PM	236.00	0.90	18.30	15.20	0.00	15.20	19.50	18.30	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 3:15 PM	234.00	1.80	17.20	0.00	0.00	0.00	18.70	17.20	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 3:30 PM	245.00	3.10	17.40	16.60	0.00	16.60	19.20	17.40	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 3:45 PM	268.00	3.30	17.60	15.10	0.00	15.10	18.30	17.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:00 PM	270.00	3.30	18.70	18.70	0.00	15.70	18.70	18.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:15 PM	235.00	2.20	18.10	15.70	0.00	15.70	19.00	18.10	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:30 PM	260.00	1.90	19.10	16.10	0.00	16.10	19.80	19.10	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 4:45 PM	263.00	2.20	19.60	16.60	0.00	16.60	20.20	19.60	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:00 PM	296.00	1.80	21.40	20.70	0.00	17.00	20.70	20.20	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:15 PM	55.00	0.60	16.90	19.80	2.90	16.90	20.50	19.80	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:30 PM	258.00	1.40	20.20	17.50	0.00	17.50	20.50	20.20	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 5:45 PM	317.00	1.40	22.60	21.00	0.00	18.00	21.00	20.30	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:00 PM	208.00	1.60	20.40	17.50	0.00	17.50	21.00	20.40	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:15 PM	173.00	1.80	21.30	23.30	2.00	17.50	21.30	21.00	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:30 PM	188.00	1.50	23.40	17.80	0.00	17.80	22.10	23.40	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 6:45 PM	208.00	2.60	25.00	18.90	0.00	18.90	24.40	25.00	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:00 PM	226.00	3.10	26.00	18.60	0.00	18.60	25.00	26.00	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:15 PM	209.00	2.70	30.60	21.40	0.00	21.40	25.30	30.60	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:30 PM	223.00	2.30	24.20	18.90	0.00	18.90	25.20	24.20	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 7:45 PM	229.00	2.30	27.50	19.70	0.00	19.70	25.60	27.50	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:00 PM	164.00	1.90	26.10	26.80	0.70	20.00	26.10	27.70	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:15 PM	152.00	1.40	31.60	28.70	0.00	22.30	31.60	28.20	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:30 PM	202.00	1.70	29.80	23.90	0.00	23.90	31.60	29.80	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/14 8:45 PM	191.00	1.10	30.30	24.70	0.00	24.70	30.50	30.30	29.70	0.00	0.00	0.00	0.00	0.				



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/5/14 5:00 AM	38.00	5.00	30.20	34.20	4.00	30.20	31.60	34.20	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:15 AM	50.00	5.60	31.20	33.10	1.90	31.20	31.50	33.10	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:30 AM	74.00	5.80	30.00	31.30	1.30	30.00	31.70	31.30	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:45 AM	54.00	6.30	28.50	31.60	3.10	28.50	31.30	31.60	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:00 AM	54.00	5.20	27.90	29.60	1.70	27.90	29.50	29.60	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:15 AM	67.00	5.70	28.40	31.50	3.10	28.40	31.10	31.50	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:30 AM	57.00	6.40	24.90	31.90	7.00	24.90	35.30	31.90	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:45 AM	66.00	4.30	0.00	26.80	0.00	0.00	29.00	26.80	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:00 AM	55.00	5.30	0.00	24.50	0.00	0.00	34.70	24.50	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:15 AM	60.00	5.10	22.40	27.30	4.90	22.40	29.10	27.30	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:30 AM	72.00	4.60	21.00	29.10	8.10	21.00	30.40	29.10	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:45 AM	61.00	4.60	20.60	24.40	3.80	20.60	29.20	24.40	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:00 AM	66.00	5.70	0.00	33.90	0.00	0.00	30.00	33.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:15 AM	72.00	3.60	28.90	32.70	3.80	28.90	28.50	32.70	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:30 AM	60.00	5.60	21.20	35.80	14.60	21.20	31.30	35.80	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:45 AM	34.00	7.10	19.80	35.30	15.50	19.80	34.50	35.30	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:00 AM	45.00	5.20	22.00	27.00	5.00	22.00	28.80	27.00	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:15 AM	64.00	5.50	35.90	39.50	3.60	35.90	33.20	39.50	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:30 AM	74.00	7.70	27.70	48.70	21.00	27.70	42.40	48.70	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:45 AM	53.00	7.70	29.30	55.10	25.80	29.30	49.20	55.10	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:00 AM	57.00	8.00	28.20	47.40	19.20	28.20	40.70	47.40	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:15 AM	77.00	7.90	25.80	45.70	19.90	25.80	40.50	45.70	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:30 AM	64.00	4.70	44.10	39.40	0.00	44.10	33.10	39.40	40.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:45 AM	73.00	6.50	31.10	39.40	8.30	31.10	31.60	39.40	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 11:00 AM	72.00	5.50	29.50	33.20	3.70	29.50	34.00	33.20	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 11:15 AM	81.00	4.90	0.00	31.60	0.00	0.00	29.40	31.60	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 11:30 AM	66.00	8.00	27.20	23.30	0.00	27.20	25.20	23.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 11:45 AM	83.00	5.60	25.70	24.30	0.00	25.70	30.80	24.30	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 12:00 PM	75.00	5.10	28.50	24.30	0.00	28.50	27.30	24.30	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 12:15 PM	49.00	5.90	28.00	27.80	0.00	28.00	28.80	27.80	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 12:30 PM	70.00	4.70	26.70	27.80	1.10	26.70	32.50	27.80	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 12:45 PM	58.00	5.50	27.80	30.20	2.40	27.80	39.50	30.20	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 1:00 PM	45.00	6.30	26.10	27.30	1.20	26.10	28.70	27.30	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 1:15 PM	41.00	7.60	26.10	27.30	1.20	26.10	28.70	27.30	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 1:30 PM	41.00	5.70	24.00	27.30	3.30	24.00	30.10	27.30	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 1:45 PM	39.00	8.50	26.10	28.40	2.30	26.10	34.80	28.40	33.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 2:00 PM	39.00	8.30	25.10	27.10	2.00	25.10	31.50	27.10	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 2:15 PM	44.00	6.10	23.60	27.30	3.70	23.60	28.80	27.30	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 2:30 PM	54.00	6.00	22.60	27.00	4.40	22.60	26.70	27.00	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 2:45 PM	47.00	7.30	21.90	22.20	0.30	21.90	24.50	22.20	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 3:00 PM	49.00	6.00	19.30	21.80	2.50	19.30	22.50	21.80	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 3:15 PM	40.00	10.60	17.70	18.40	0.70	17.70	21.40	18.40	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 3:30 PM	59.00	7.30	18.80	18.20	0.00	18.80	20.90	18.20	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 3:45 PM	44.00	8.70	17.10	17.90	0.80	17.10	20.90	17.90	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 4:00 PM	48.00	7.50	16.30	17.60	1.30	16.30	20.50	17.60	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 4:15 PM	47.00	10.60	17.30	18.10	0.80	17.30	20.00	18.10	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 4:30 PM	46.00	6.60	17.20	17.60	0.40	17.20	19.50	17.60	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 4:45 PM	43.00	8.10	16.50	17.30	0.80	16.50	19.40	17.30	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:00 PM	52.00	9.30	16.00	17.00	1.00	16.00	19.60	17.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:15 PM	40.00	8.40	15.20	16.60	1.40	15.20	18.90	16.60	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:30 PM	48.00	7.90	15.40	16.00	0.60	15.40	19.00	16.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 5:45 PM	44.00	7.60	18.10	17.70	0.00	18.10	20.90	17.70	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:00 PM	45.00	5.80	16.90	16.50	0.00	16.90	19.40	16.50	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:15 PM	65.00	5.40	16.50	16.10	0.00	16.50	19.50	16.10	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:30 PM	58.00	8.80	17.70	18.80	1.10	17.70	22.50	18.80	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 6:45 PM	50.00	7.80	17.50	19.40	1.90	17.50	25.40	19.40	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:00 PM	70.00	6.20	0.00	19.40	0.00	0.00	23.80	19.40	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:15 PM	41.00	6.10	19.10	19.60	0.50	19.10	22.40	19.60	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:30 PM	53.00	6.70	19.60	20.50	0.90	19.60	27.00	20.50	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 7:45 PM	46.00	7.10	19.30	19.80	0.50	19.30	26.80	19.80	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:00 PM	48.00	5.70	19.70	20.40	0.70	19.70	31.30	20.40	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:15 PM	41.00	4.30	19.90	21.00	1.10	19.90	32.50	21.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:30 PM	58.00	4.10	22.10	24.00	1.90	22.10	34.90	24.00	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 8:45 PM	76.00	6.60	0.00	36.50	0.00	0.00	29.20	36.50	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:00 PM	76.00	5.40	28.10	27.20	0.00	28.10	26.00	27.20	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:15 PM	134.00	4.20	27.10	28.90	1.80	27.10	24.40	28.90	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:30 PM	117.00	3.60	28.30	30.60	2.30	28.30	30.60	30.60	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 9:45 PM	90.00	4.80	47.20	28.60	0.00	47.20	33.00	28.60	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:00 PM	86.00	2.40	19.70	24.90	5.20	19.70	41.40	24.90	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/14 10:15 PM	123.00	3																



US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/7/14 7:30 AM	189.00	3.10	68.70	68.20	0.00	68.20	64.50	68.70	52.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 7:45 AM	173.00	2.20	66.30	52.60	0.00	69.60	66.30	69.10	52.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:00 AM	181.00	2.50	69.30	70.70	1.40	70.70	65.90	69.30	52.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:15 AM	176.00	2.60	63.80	52.40	0.00	66.60	63.80	65.10	52.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:30 AM	207.00	3.30	63.80	64.70	0.90	64.70	62.80	63.80	52.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:45 AM	200.00	3.20	64.50	63.50	0.00	63.50	60.80	64.50	53.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:00 AM	202.00	4.30	65.80	62.80	0.00	62.80	60.60	65.80	55.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:15 AM	201.00	3.20	66.20	62.50	0.00	62.50	59.30	66.20	54.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:30 AM	212.00	4.20	61.50	61.20	0.00	61.20	58.00	61.50	55.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:45 AM	213.00	4.00	61.30	59.40	0.00	59.40	55.90	61.30	56.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:00 AM	202.00	4.50	60.10	57.50	0.00	57.50	56.00	60.10	56.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:15 AM	197.00	3.90	60.30	57.80	0.00	57.80	55.20	60.30	58.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:30 AM	201.00	4.20	57.40	55.10	0.00	55.10	52.40	57.40	57.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:45 AM	215.00	4.10	52.30	51.50	0.00	51.50	49.50	52.30	53.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:00 AM	208.00	3.40	50.30	49.30	0.00	49.30	46.90	50.30	51.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:15 AM	210.00	5.20	46.20	43.00	0.00	43.00	41.40	46.20	50.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:30 AM	222.00	7.20	42.30	40.30	0.00	40.30	39.90	42.30	46.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:45 AM	209.00	4.30	41.40	38.40	0.00	38.40	38.40	41.40	45.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 12:00 PM	228.00	4.40	41.40	39.70	0.00	39.70	39.00	41.40	46.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 12:15 PM	217.00	5.00	41.00	39.20	0.00	39.20	39.60	41.00	45.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 12:30 PM	212.00	5.20	40.40	38.80	0.00	38.80	39.20	40.40	44.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 12:45 PM	200.00	5.40	40.30	39.30	0.00	39.30	39.20	40.30	45.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 1:00 PM	220.00	7.20	40.10	39.20	0.00	39.20	39.10	40.10	46.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 1:15 PM	196.00	5.00	37.30	36.90	0.00	36.90	38.00	37.30	44.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 1:30 PM	209.00	3.90	34.20	34.80	0.60	34.80	35.10	34.20	40.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 1:45 PM	232.00	4.50	35.70	34.70	0.00	34.70	36.60	35.70	41.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 2:00 PM	198.00	4.70	34.40	35.10	0.70	35.10	37.00	34.40	39.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 2:15 PM	207.00	6.00	37.60	37.70	0.10	37.70	38.00	37.60	39.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 2:30 PM	210.00	3.80	36.20	36.10	0.00	36.10	37.70	36.20	41.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 2:45 PM	195.00	5.10	38.20	36.70	0.00	36.70	37.30	38.20	40.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 3:00 PM	181.00	6.20	37.00	37.20	0.20	37.20	37.20	37.00	39.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 3:15 PM	210.00	4.30	35.00	34.30	0.00	34.30	34.40	35.00	40.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 3:30 PM	209.00	5.60	33.70	0.00	0.00	0.00	33.60	33.70	38.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 3:45 PM	213.00	6.80	32.90	32.00	0.00	32.00	31.00	32.90	37.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 4:00 PM	208.00	4.40	32.70	31.80	0.00	31.80	33.20	32.70	36.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 4:15 PM	213.00	5.60	33.60	31.90	0.00	31.90	34.00	33.60	36.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 4:30 PM	210.00	4.40	34.00	33.10	0.00	33.10	34.00	34.00	37.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 4:45 PM	195.00	4.90	34.80	33.40	0.00	33.40	34.70	34.80	37.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 5:00 PM	210.00	4.60	33.00	32.60	0.00	32.60	33.90	33.00	37.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 5:15 PM	210.00	5.10	32.80	32.30	0.00	32.30	34.00	32.80	36.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 5:30 PM	192.00	3.80	33.90	33.50	0.00	33.50	34.80	33.90	37.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 5:45 PM	216.00	3.10	35.40	0.00	0.00	0.00	35.50	35.40	37.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 6:00 PM	236.00	3.20	35.40	35.00	0.00	35.00	36.50	35.40	37.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 6:15 PM	230.00	2.90	36.60	35.20	0.00	35.20	36.90	36.60	36.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 6:30 PM	220.00	2.30	37.70	36.30	0.00	36.30	37.50	37.70	35.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 6:45 PM	210.00	4.00	38.50	36.20	0.00	36.20	38.30	38.50	34.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 7:00 PM	217.00	2.60	40.10	39.20	0.00	39.20	39.70	40.10	33.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 7:15 PM	193.00	4.30	42.30	39.00	0.00	39.00	40.40	42.30	33.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 7:30 PM	226.00	2.90	44.10	41.20	0.00	41.20	42.80	44.10	33.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 7:45 PM	219.00	2.30	43.20	40.40	0.00	40.40	40.70	43.20	34.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:00 PM	216.00	3.60	42.30	40.20	0.00	40.20	41.90	42.30	35.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:15 PM	217.00	2.90	46.00	41.00	0.00	41.00	40.00	46.00	36.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:30 PM	228.00	2.50	43.30	0.00	0.00	0.00	40.60	43.30	36.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 8:45 PM	218.00	2.00	44.00	0.00	0.00	0.00	40.90	44.00	37.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:00 PM	235.00	2.10	48.00	44.10	0.00	44.10	41.60	48.00	38.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:15 PM	227.00	2.10	48.30	44.70	0.00	44.70	42.40	48.30	38.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:30 PM	243.00	1.60	48.70	45.60	0.00	45.60	42.70	48.70	38.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 9:45 PM	283.00	1.70	39.00	43.00	4.00	45.60	43.00	48.10	39.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:00 PM	309.00	2.10	38.80	43.40	4.60	45.20	43.40	48.00	38.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:15 PM	296.00	2.00	40.10	44.00	3.90	46.70	44.00	48.50	40.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:30 PM	306.00	1.70	41.80	44.90	3.10	46.60	44.90	48.80	41.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 10:45 PM	319.00	1.50	42.40	45.70	3.30	47.50	45.70	52.70	42.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:00 PM	289.00	1.30	42.10	46.50	4.40	49.20	46.50	54.30	42.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:15 PM	266.00	1.20	58.90	48.30	0.00	48.30	52.30	58.90	42.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:30 PM	277.00	1.10	43.20	46.10	2.90	49.70	46.10	50.80	43.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/7/14 11:45 PM	303.00	2.00	45.30	47.50	2.20	0.00	47.50	53.80	45.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 12:00 AM	298.00	1.70	46.10	50.40	4.30	56.40	50.40	60.10	46.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 12:15 AM	318.00	1.80	44.60	52.70	8.10	58.20	52.70	63.90	44.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 12:30 AM	12.00	5.90	70.30	62.70	0.00	70.30	55.10	62.70	51.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 12:45 AM	1.00	6.70	77.30	79.80	2.50	77.30	72.00	79.80	51.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 1:00 AM	13.00	5.80	82.40	84.20	1.80	82.40	77.00	84.20	55.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 1:15 AM	14.00	6.90	81.40	87.20	5.80	81.40	77.00	87.20	57.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/8/14 1:30 AM	4.00	6.90	73.50	83.70	10.20	73.50	71.80	83.70								



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Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/8/14 8:45 AM	32.00	9.10	17.50	18.60	1.10	17.50	18.70	18.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:00 AM	21.00	9.40	22.80	18.80	0.00	22.80	19.80	18.80	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:15 AM	22.00	9.30	23.30	16.10	0.00	23.30	19.80	16.10	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:30 AM	30.00	11.40	19.10	22.60	3.50	19.10	18.30	22.60	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:45 AM	26.00	9.80	19.70	13.40	0.00	19.70	16.70	13.40	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:00 AM	21.00	8.40	21.10	12.00	0.00	21.10	16.50	12.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:15 AM	17.00	10.50	16.70	13.60	0.00	16.70	16.50	13.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:30 AM	4.00	9.90	17.50	11.20	0.00	17.50	15.30	11.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:45 AM	11.00	6.60	17.20	9.40	0.00	17.20	16.10	9.40	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:00 AM	10.00	9.20	17.40	9.40	0.00	17.40	16.20	9.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:15 AM	9.00	11.10	12.70	8.50	0.00	12.70	17.50	8.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:30 AM	6.00	11.60	18.80	8.90	0.00	18.80	13.10	8.90	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:45 AM	12.00	11.30	11.10	8.60	0.00	11.10	12.70	8.60	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 12:00 PM	8.00	12.60	8.90	8.20	0.00	8.90	10.50	8.20	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 12:15 PM	0.00	9.30	8.70	8.50	0.00	8.70	10.40	8.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 12:30 PM	356.00	11.00	9.80	10.30	0.50	8.60	10.30	8.10	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 12:45 PM	10.00	10.70	8.10	8.00	0.00	8.10	10.00	8.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 1:00 PM	6.00	9.30	8.00	7.40	0.00	8.00	9.60	7.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 1:15 PM	11.00	10.10	8.00	7.30	0.00	8.00	9.50	7.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 1:30 PM	11.00	10.30	7.90	6.90	0.00	7.90	9.30	6.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 1:45 PM	9.00	10.40	7.60	6.90	0.00	7.60	9.40	6.90	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 2:00 PM	1.00	8.00	7.60	6.90	0.00	7.60	9.50	6.90	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 2:15 PM	3.00	7.80	7.40	6.90	0.00	7.40	9.60	6.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 2:30 PM	0.00	8.80	7.50	7.10	0.00	7.50	9.20	7.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 2:45 PM	2.00	9.00	8.10	7.10	0.00	8.10	9.20	7.10	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 3:00 PM	4.00	9.20	8.10	7.60	0.00	8.10	9.60	7.60	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 3:15 PM	351.00	7.60	9.00	9.30	0.30	7.80	9.30	7.60	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 3:30 PM	1.00	9.00	7.90	7.70	0.00	7.90	9.40	7.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 3:45 PM	348.00	6.20	9.10	9.50	0.40	8.00	9.50	7.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 4:00 PM	358.00	10.10	9.10	9.10	0.00	7.90	9.10	7.50	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 4:15 PM	10.00	8.90	0.00	7.00	0.00	0.00	8.50	7.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 4:30 PM	10.00	9.70	7.40	6.90	0.00	7.40	8.60	6.90	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 4:45 PM	9.00	7.70	7.20	6.70	0.00	7.20	8.30	6.70	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 5:00 PM	1.00	6.90	7.60	7.20	0.00	7.60	8.70	7.20	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 5:15 PM	358.00	6.90	7.90	9.70	1.80	0.00	9.70	7.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 5:30 PM	11.00	6.60	15.20	7.10	0.00	15.20	9.50	7.10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 5:45 PM	8.00	6.50	16.10	6.90	0.00	16.10	12.20	6.90	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 6:00 PM	10.00	4.60	10.60	7.00	0.00	10.60	8.30	7.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 6:15 PM	18.00	4.50	8.70	7.40	0.00	8.70	9.00	7.40	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 6:30 PM	7.00	5.40	9.60	6.80	0.00	9.60	9.20	6.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 6:45 PM	1.00	5.70	13.10	6.60	0.00	13.10	9.70	6.60	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 7:00 PM	7.00	4.20	8.30	6.70	0.00	8.30	9.80	6.70	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 7:15 PM	6.00	3.50	12.20	6.50	0.00	12.20	10.30	6.50	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 7:30 PM	0.00	3.00	8.70	6.80	0.00	8.70	10.20	6.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 7:45 PM	335.00	3.50	7.40	9.40	2.00	7.00	9.40	7.20	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 8:00 PM	327.00	3.00	6.90	10.10	3.20	7.40	10.10	7.00	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 8:15 PM	339.00	2.50	6.40	10.10	3.70	7.40	10.10	7.60	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 8:30 PM	332.00	3.00	6.10	9.90	3.80	7.30	9.90	7.30	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 8:45 PM	352.00	2.20	6.10	10.20	4.10	7.40	10.20	7.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:00 PM	336.00	2.70	6.40	9.90	3.50	7.50	9.90	7.20	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:15 PM	318.00	3.60	6.60	9.80	3.20	7.60	9.80	7.10	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:30 PM	345.00	1.50	7.20	10.00	2.80	8.00	10.00	8.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 9:45 PM	357.00	1.30	7.30	10.00	2.70	8.20	10.00	7.80	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:00 PM	330.00	1.70	7.50	9.70	2.20	8.40	9.70	7.90	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:15 PM	336.00	1.20	8.00	10.10	2.10	8.80	10.10	8.20	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:30 PM	302.00	1.00	8.60	10.50	1.90	8.90	10.50	8.40	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 10:45 PM	217.00	0.70	9.10	9.00	0.00	9.00	10.70	9.10	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:00 PM	256.00	0.80	9.90	9.50	0.00	9.50	11.50	9.90	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:15 PM	257.00	0.90	11.50	10.80	0.00	10.80	13.10	11.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:30 PM	256.00	1.10	12.70	12.20	0.00	12.20	14.40	12.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/14 11:45 PM	262.00	1.40	12.70	12.60	0.00	12.60	14.80	12.70	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 12:00 AM	237.00	1.00	13.70	13.30	0.00	13.30	15.30	13.70	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 12:15 AM	229.00	0.50	14.60	13.90	0.00	13.90	16.60	14.60	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 12:30 AM	216.00	0.60	14.50	14.70	0.20	14.70	17.70	14.50	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 12:45 AM	257.00	1.30	16.20	15.90	0.00	15.90	17.90	16.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 1:00 AM	241.00	1.40	15.60	18.10	2.50	18.10	20.70	15.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 1:15 AM	238.00	1.40	17.20	18.20	1.00	18.20	22.60	17.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 1:30 AM	223.00	1.20	21.10	0.00	0.00	0.00	24.00	21.10	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 1:45 AM	238.00	1.30	22.70	20.70	0.00	20.70	23.00	22.70	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 3:00 AM	247.00	2.00	22.30	0.00	0.00	0.00	23.40	22.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/14 3:15 AM	247.00	2.40	20.60	20.20	0.00	20.20										



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/10/14 12:15 PM	262.00	5.50	11.00	12.30	1.30	12.30	13.30	11.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 12:30 PM	258.00	9.20	10.80	11.90	1.10	11.90	12.90	10.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 12:45 PM	282.00	6.80	9.60	12.80	3.20	0.00	12.80	10.40	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 1:00 PM	263.00	8.20	10.00	10.80	0.80	10.80	12.10	10.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 1:15 PM	253.00	7.90	10.40	11.10	0.70	11.10	11.80	10.40	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 1:30 PM	249.00	5.70	10.10	11.20	1.10	11.20	11.60	10.10	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 1:45 PM	255.00	7.10	10.30	11.20	0.90	11.20	11.90	10.30	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 2:00 PM	231.00	6.50	11.60	11.80	0.20	11.80	12.80	11.60	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 2:15 PM	238.00	6.10	11.10	11.90	0.80	11.90	12.80	11.10	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 2:30 PM	246.00	8.50	13.60	13.20	0.00	13.20	14.30	13.60	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 2:45 PM	228.00	6.70	12.70	14.00	1.30	14.00	14.10	12.70	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 3:00 PM	234.00	5.80	13.00	14.30	1.30	14.30	14.20	13.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 3:15 PM	238.00	8.70	12.40	13.50	1.10	13.50	13.80	12.40	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 3:30 PM	228.00	6.60	12.70	14.10	1.40	14.10	14.10	12.70	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 3:45 PM	262.00	6.60	13.50	14.80	1.30	14.80	14.50	13.50	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 4:00 PM	230.00	4.60	13.80	15.00	1.20	15.00	14.70	13.80	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 4:15 PM	243.00	4.20	14.10	15.00	0.90	15.00	14.90	14.10	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 4:30 PM	235.00	6.20	14.00	0.00	0.00	0.00	15.10	14.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 4:45 PM	230.00	4.10	14.30	15.50	1.20	15.50	15.30	14.30	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 5:00 PM	243.00	8.10	14.30	15.40	1.10	15.40	15.50	14.30	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 5:15 PM	244.00	5.40	14.50	15.50	1.00	15.50	15.50	14.50	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 5:30 PM	245.00	6.60	14.30	15.30	1.00	15.30	15.30	14.30	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 5:45 PM	240.00	6.10	14.00	15.30	1.30	15.30	15.00	14.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 6:00 PM	252.00	5.30	14.40	15.10	0.70	15.10	15.40	14.40	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 6:15 PM	248.00	5.30	14.70	15.50	0.80	15.50	15.70	14.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 6:30 PM	251.00	3.90	19.20	15.80	0.00	15.80	16.60	19.20	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 6:45 PM	257.00	4.80	15.70	15.70	0.00	15.70	16.00	15.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 7:00 PM	247.00	3.70	15.10	15.60	0.50	15.60	15.60	15.10	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 7:15 PM	246.00	3.10	15.40	15.40	0.00	15.40	15.30	15.40	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 7:30 PM	256.00	3.50	16.20	15.90	0.00	15.90	15.30	16.20	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 7:45 PM	257.00	3.60	17.40	16.70	0.00	16.70	16.10	17.40	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 8:00 PM	255.00	4.70	18.10	16.90	0.00	16.90	17.10	18.10	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 8:15 PM	260.00	3.70	18.60	17.40	0.00	17.40	17.40	18.60	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 8:30 PM	250.00	2.70	19.40	17.70	0.00	17.70	17.80	19.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 8:45 PM	247.00	3.30	19.60	0.00	0.00	0.00	17.80	19.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 9:00 PM	239.00	2.90	19.70	18.70	0.00	18.70	17.70	19.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 9:15 PM	252.00	3.20	20.70	18.60	0.00	18.60	17.80	20.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 9:30 PM	267.00	4.20	20.80	18.70	0.00	18.70	18.40	20.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 9:45 PM	263.00	3.00	22.20	19.10	0.00	19.10	19.00	22.20	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 10:00 PM	267.00	3.20	21.80	20.70	0.00	20.70	18.60	21.80	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 10:15 PM	267.00	2.90	23.00	20.40	0.00	20.40	19.60	23.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 10:30 PM	267.00	3.30	23.90	0.00	0.00	0.00	20.20	23.90	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 10:45 PM	247.00	2.50	24.20	20.80	0.00	20.80	20.70	24.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 11:00 PM	262.00	2.40	23.90	21.30	0.00	21.30	20.90	23.90	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 11:15 PM	253.00	2.30	23.80	21.40	0.00	21.40	21.00	23.80	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 11:30 PM	266.00	2.70	25.50	20.70	0.00	20.70	21.90	25.50	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/10/14 11:45 PM	273.00	3.70	11.50	22.90	11.40	20.80	22.90	27.70	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 12:00 AM	230.00	2.50	28.40	21.30	0.00	21.30	22.70	28.40	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 12:15 AM	259.00	1.80	28.60	21.50	0.00	21.50	24.80	28.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 12:30 AM	233.00	0.70	31.40	22.40	0.00	22.40	26.40	31.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 12:45 AM	221.00	1.90	31.40	24.00	0.00	24.00	25.40	31.40	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 1:00 AM	242.00	2.90	32.50	24.80	0.00	24.80	25.90	32.50	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 1:15 AM	235.00	1.20	30.60	24.90	0.00	24.90	25.40	30.60	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 1:30 AM	216.00	1.40	31.60	25.10	0.00	25.10	25.70	31.60	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 1:45 AM	208.00	1.40	32.30	25.10	0.00	25.10	26.40	32.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:00 AM	231.00	2.50	32.20	25.30	0.00	25.30	26.30	32.20	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:15 AM	249.00	1.60	32.40	25.60	0.00	25.60	26.60	32.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:30 AM	267.00	1.90	33.80	27.60	0.00	27.60	27.90	33.80	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:45 AM	239.00	2.70	33.90	26.90	0.00	26.90	26.20	33.90	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:00 AM	249.00	1.80	33.20	25.20	0.00	25.20	27.10	33.20	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:15 AM	246.00	1.70	32.30	23.00	0.00	23.00	27.10	32.30	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:30 AM	273.00	2.10	18.90	27.10	8.20	22.30	27.10	32.70	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:45 AM	5.00	1.20	22.40	33.10	10.70	22.40	27.30	33.10	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:00 AM	332.00	1.60	16.80	28.00	11.20	23.10	28.00	34.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:15 AM	205.00	1.60	34.80	24.40	0.00	24.40	28.80	34.80	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:30 AM	188.00	1.30	35.90	25.70	0.00	25.70	29.20	35.90	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:45 AM	173.00	1.50	29.30	16.40	0.00	26.20	29.30	35.70	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:00 AM	181.00	0.70	35.90	27.10	0.00	27.10	29.80	35.90	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:15 AM	143.00	1.20	30.40	17.20	0.00	27.80	30.40	36.70										



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/11/14 1:30 PM	359.00	7.20	36.20	35.10	0.00	41.10	35.10	40.30	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 1:45 PM	7.00	7.50	0.00	41.10	0.00	0.00	34.10	41.10	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:00 PM	9.00	9.00	30.50	31.20	0.70	30.50	33.20	31.20	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:15 PM	15.00	8.70	31.40	30.90	0.00	31.40	28.80	30.90	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:30 PM	9.00	6.30	32.40	26.10	0.00	32.40	31.00	26.10	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 2:45 PM	33.00	8.80	31.80	22.70	0.00	31.80	28.20	22.70	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:00 PM	27.00	10.80	33.10	23.00	0.00	33.10	27.10	23.00	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:15 PM	30.00	10.70	29.10	21.40	0.00	29.10	27.20	23.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:30 PM	39.00	9.60	27.60	23.10	0.00	27.60	22.70	23.10	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 3:45 PM	36.00	6.70	21.60	18.30	0.00	21.60	25.30	18.30	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:00 PM	25.00	8.00	17.40	18.80	1.40	17.40	20.20	18.80	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:15 PM	30.00	7.80	18.90	19.00	0.10	18.90	20.10	19.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:30 PM	24.00	10.20	22.40	16.80	0.00	22.40	20.80	16.80	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 4:45 PM	23.00	10.30	22.70	16.80	0.00	22.70	21.90	16.80	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:00 PM	25.00	8.60	23.50	17.80	0.00	23.50	19.10	17.80	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:15 PM	36.00	7.10	20.30	14.50	0.00	20.30	16.70	14.50	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:30 PM	29.00	8.00	16.20	13.80	0.00	16.20	15.70	13.80	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 5:45 PM	30.00	7.10	13.00	15.00	2.00	13.00	15.00	15.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 6:00 PM	20.00	6.30	0.00	11.10	0.00	0.00	14.20	11.10	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 6:15 PM	32.00	9.20	12.60	12.30	0.00	12.60	12.90	12.30	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 6:30 PM	35.00	9.50	11.90	14.90	3.00	11.90	12.90	14.90	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 6:45 PM	34.00	6.00	10.70	9.80	0.00	10.70	11.80	9.80	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 7:00 PM	23.00	6.80	10.40	9.40	0.00	10.40	11.70	9.40	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 7:15 PM	42.00	9.90	10.30	8.70	0.00	10.30	11.70	8.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 7:30 PM	37.00	6.40	11.10	8.30	0.00	11.10	14.10	8.30	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 7:45 PM	26.00	10.10	10.90	8.20	0.00	10.90	14.00	8.20	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 8:00 PM	34.00	7.80	10.40	8.70	0.00	10.40	16.20	8.70	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 8:15 PM	25.00	11.10	9.80	8.10	0.00	9.80	11.10	8.10	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 8:30 PM	49.00	10.30	10.10	8.80	0.00	10.10	11.30	8.80	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 8:45 PM	43.00	7.40	9.90	8.20	0.00	9.90	11.30	8.20	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 9:00 PM	47.00	8.20	10.40	9.60	0.00	10.40	12.00	9.60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 9:15 PM	43.00	11.00	9.40	8.50	0.00	9.40	10.70	8.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 9:30 PM	35.00	6.70	9.00	7.50	0.00	9.00	10.70	7.50	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 9:45 PM	41.00	7.20	8.40	7.90	0.00	8.40	11.20	7.90	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 10:00 PM	11.00	8.20	8.20	8.10	0.00	8.20	10.20	8.10	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 10:15 PM	8.00	7.40	8.30	7.80	0.00	8.30	10.20	7.80	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 10:30 PM	19.00	8.80	11.20	7.60	0.00	11.20	11.10	7.60	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 10:45 PM	39.00	13.30	8.80	9.00	0.20	8.80	10.10	9.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 11:00 PM	36.00	7.00	11.30	8.50	0.00	11.30	14.00	8.50	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 11:15 PM	35.00	13.00	11.00	6.80	0.00	11.00	13.00	6.80	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 11:30 PM	36.00	9.60	12.30	6.80	0.00	12.30	13.90	6.80	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/11/14 11:45 PM	27.00	9.20	12.30	8.80	0.00	12.30	13.90	8.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 12:00 AM	34.00	9.50	12.00	8.10	0.00	12.00	15.60	8.10	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 12:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	10.00	11.10	9.50	7.70	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 12:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	10.00	10.40	9.20	10.10	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 12:45 AM	35.00	6.20	10.00	8.10	0.00	10.00	12.70	8.10	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 1:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	10.00	12.70	8.10	10.10	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 1:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.70	9.60	8.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 1:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	12.10	9.20	8.10	7.40	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 1:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	8.60	9.30	7.70	7.20	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 2:00 AM	44.00	8.50	17.10	6.40	0.00	17.10	10.50	6.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 2:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	9.10	8.80	9.50	13.60	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 2:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	12.80	10.00	10.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 2:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	13.30	10.30	8.70	8.80	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 3:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.90	10.20	8.40	7.80	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 3:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	12.80	12.50	8.50	7.40	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 3:30 AM	33.00	11.80	11.60	11.10	0.00	11.60	11.90	11.10	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 3:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	8.20	11.30	11.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 4:00 AM	20.00	14.90	10.20	22.60	12.40	10.20	8.90	22.60	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 4:15 AM	20.00	14.50	12.00	13.30	1.30	12.00	9.20	13.30	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 4:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	12.80	8.90	12.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 4:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	17.80	18.70	31.60	13.20	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 5:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	19.60	21.90	28.10	20.80	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 5:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	18.40	18.20	36.50	19.20	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 5:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	16.00	17.20	42.10	18.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 5:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.20	27.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 6:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	16.00	17.00	32.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 6:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	19.50	18.10	24.80	14.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 6:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	19.50	18.10	26.20	13.80	0.00	0.00	0.00	0.00	0.00	0.00		
3/12/14 6:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	16.40	16.60	22.90	14.10	0.00	0.00	0					



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Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/12/14 2:45 PM	0.00	14.70	10.00	3.10	0.00	10.00	15.80	3.10	5.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 3:00 PM	1.00	15.00	4.90	3.20	0.00	4.90	17.00	3.20	5.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 3:15 PM	15.00	9.00	5.20	3.10	0.00	5.20	16.20	3.10	4.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 3:30 PM	23.00	12.20	5.20	3.10	0.00	5.20	15.60	3.10	5.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 3:45 PM	10.00	9.20	5.20	3.10	0.00	5.20	14.90	3.10	5.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 4:00 PM	13.00	8.10	5.30	6.00	0.70	5.30	14.90	6.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 4:15 PM	11.00	10.10	5.30	6.00	0.70	5.30	14.90	6.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 4:30 PM	11.00	10.70	5.30	6.00	0.70	5.30	14.90	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 4:45 PM	18.00	7.80	5.30	6.00	0.70	5.30	14.90	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 5:00 PM	1.00	10.60	5.30	6.00	0.70	5.30	18.70	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 5:15 PM	5.00	9.20	5.30	6.00	0.70	5.30	18.70	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 5:30 PM	12.00	9.90	5.30	6.00	0.70	5.30	18.70	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 5:45 PM	6.00	10.20	5.30	6.00	0.70	5.30	18.70	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 6:00 PM	3.00	8.50	5.30	6.00	0.70	5.30	18.70	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 6:15 PM	18.00	10.10	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 6:30 PM	33.00	9.50	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 6:45 PM	16.00	8.30	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 7:00 PM	356.00	9.30	5.40	18.70	13.30	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 7:15 PM	13.00	8.60	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 7:30 PM	6.00	9.90	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 7:45 PM	9.00	9.20	4.10	6.00	1.90	4.10	18.70	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 8:00 PM	8.00	9.30	4.10	6.00	1.90	4.10	13.30	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 8:15 PM	359.00	11.00	5.40	13.30	7.90	4.10	13.30	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 8:30 PM	5.00	8.20	4.10	6.00	1.90	4.10	13.30	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 8:45 PM	4.00	9.30	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 9:00 PM	3.00	6.80	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 9:15 PM	4.00	8.50	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 9:30 PM	30.00	7.30	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 9:45 PM	7.00	8.00	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 10:00 PM	11.00	6.50	4.10	6.00	1.90	4.10	13.30	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 10:15 PM	343.00	5.70	5.40	13.30	7.90	4.10	13.30	6.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 10:30 PM	15.00	5.80	4.10	5.30	1.20	4.10	13.30	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 10:45 PM	7.00	6.00	4.10	5.30	1.20	4.10	13.30	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 11:00 PM	1.00	6.20	4.10	5.30	1.20	4.10	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 11:15 PM	0.00	7.30	4.10	5.30	1.20	4.10	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 11:30 PM	26.00	7.60	4.30	5.30	1.00	4.30	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/12/14 11:45 PM	356.00	4.30	5.40	13.40	8.00	4.30	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 12:00 AM	342.00	3.40	5.40	13.40	8.00	4.30	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 12:15 AM	358.00	6.40	5.40	13.40	8.00	4.30	13.40	5.30	5.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 12:30 AM	6.00	4.50	4.30	5.00	0.70	4.30	13.40	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 12:45 AM	358.00	5.10	5.20	13.40	8.20	4.30	13.40	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 1:00 AM	337.00	3.30	5.20	13.40	8.20	4.30	13.40	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 1:15 AM	355.00	4.70	5.20	13.40	8.20	5.30	13.40	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 1:30 AM	270.00	1.70	5.20	13.40	8.20	5.30	13.40	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 1:45 AM	268.00	1.90	4.90	5.30	0.40	5.30	13.70	4.90	5.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 2:00 AM	297.00	3.20	4.90	13.80	8.90	4.80	13.80	4.90	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 2:15 AM	316.00	3.00	4.90	13.80	8.90	4.80	13.80	4.90	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 2:30 AM	288.00	2.50	4.90	13.80	8.90	4.80	13.80	4.90	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 2:45 AM	297.00	2.40	4.90	14.20	9.30	4.80	14.20	5.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 3:00 AM	196.00	0.90	5.20	4.80	0.00	4.80	14.20	5.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 3:15 AM	219.00	1.10	5.20	4.80	0.00	4.80	14.00	5.20	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 3:30 AM	233.00	1.00	5.20	4.80	0.00	4.80	14.20	5.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 3:45 AM	246.00	1.30	5.20	4.80	0.00	4.80	14.20	5.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 4:00 AM	242.00	1.50	5.20	4.80	0.00	4.80	14.20	5.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 4:15 AM	289.00	3.00	4.90	14.20	9.30	6.00	14.20	4.80	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 4:30 AM	271.00	2.10	4.90	14.20	9.30	6.70	14.20	4.80	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 4:45 AM	283.00	2.20	4.90	14.20	9.30	6.70	14.20	4.80	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 5:00 AM	284.00	2.00	4.90	15.60	10.70	6.70	15.60	5.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 5:15 AM	271.00	1.50	4.90	15.60	10.70	6.70	15.60	5.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 5:30 AM	219.00	1.00	5.00	7.00	2.00	7.00	15.60	5.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 5:45 AM	256.00	2.60	5.00	7.00	2.00	7.00	15.60	5.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 6:00 AM	248.00	2.70	4.90	7.00	2.10	7.00	15.60	4.90	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 6:15 AM	240.00	2.20	4.90	7.00	2.10	7.00	15.60	4.90	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 6:30 AM	249.00	2.10	4.90	5.00	0.10	5.00	15.60	4.90	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 6:45 AM	246.00	1.40	4.70	5.10	0.40	5.10	15.80	4.70	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 7:00 AM	226.00	0.90	4.70	5.80	1.10	5.80	15.80	4.70	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 7:15 AM	207.00	0.90	5.00	5.80	0.80	5.80	14.60	5.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 7:30 AM	209.00	0.80	5.00	5.80	0.80	5.80	14.60	5.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 7:45 AM	205.00	0.80	4.90	4.70	0.00	4.70	14.50	4.90	4.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 8:00 AM	209.00	1.50	5.10	4.70	0.00	4.70	14.50	5.10	4.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 8:15 AM	200.00	1.60	5.00	6.30	1.30	6.30	14.70	5.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 8:30 AM	207.00	2.00	5.00	6.30	1.30	6.30	14.70	5.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 8:45 AM	215.00	3.10	5.30	8.50	3.20	8.50	18.20	5.30	4.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 9:00 AM	234.00	3.60	5.20	8.40	3.20	8.40	17.50	5.20	4.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/13/14 9:15 AM	206.00	2.90	23.40	6.30	0.00	6.30</										



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/13/14 4:00 PM	215.00	6.00	22.80	18.90	0.00	18.90	19.80	22.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 4:15 PM	212.00	8.40	23.40	19.90	0.00	19.90	19.80	23.40	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 4:30 PM	203.00	7.70	23.70	19.10	0.00	19.10	20.00	23.70	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 4:45 PM	203.00	8.00	23.40	20.00	0.00	20.00	20.50	23.40	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 5:00 PM	207.00	8.90	23.40	20.20	0.00	20.20	20.70	23.40	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 5:15 PM	220.00	5.80	23.90	20.20	0.00	20.20	20.20	23.90	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 5:30 PM	208.00	8.50	23.60	20.90	0.00	20.90	20.20	23.60	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 5:45 PM	234.00	7.50	23.60	19.30	0.00	19.30	20.20	23.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 6:00 PM	213.00	7.10	22.00	17.50	0.00	17.50	18.60	22.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 6:15 PM	201.00	9.10	21.10	17.10	0.00	17.10	18.00	21.10	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 6:30 PM	225.00	9.80	21.00	16.90	0.00	16.90	18.50	21.00	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 6:45 PM	213.00	4.80	21.80	17.80	0.00	17.80	19.10	21.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 7:00 PM	200.00	7.60	22.20	18.30	0.00	18.30	19.30	22.20	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 7:15 PM	220.00	5.40	22.10	18.40	0.00	18.40	19.90	22.10	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 7:30 PM	230.00	3.10	22.40	18.30	0.00	18.30	20.30	22.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 7:45 PM	194.00	5.10	22.40	18.00	0.00	18.00	21.20	22.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 8:00 PM	195.00	5.10	22.40	18.60	0.00	18.60	21.20	22.40	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 8:15 PM	198.00	5.60	22.30	19.10	0.00	19.10	21.60	22.30	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 8:30 PM	202.00	4.80	22.50	19.50	0.00	19.50	22.80	22.50	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 8:45 PM	209.00	5.00	22.40	19.70	0.00	19.70	23.00	22.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 9:00 PM	202.00	3.70	23.20	20.40	0.00	20.40	23.50	23.20	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 9:15 PM	203.00	3.30	23.90	0.00	0.00	0.00	23.20	23.90	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 9:30 PM	206.00	6.20	23.70	19.70	0.00	19.70	22.90	23.70	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 9:45 PM	201.00	6.60	22.40	20.20	0.00	20.20	23.10	22.40	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 10:00 PM	211.00	5.90	24.00	19.50	0.00	19.50	22.80	24.00	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 10:15 PM	229.00	6.40	22.60	19.30	0.00	19.30	23.10	22.60	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 10:30 PM	216.00	7.60	22.30	19.10	0.00	19.10	24.80	22.30	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 10:45 PM	210.00	5.50	21.70	18.90	0.00	18.90	23.30	21.70	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 11:00 PM	209.00	6.10	21.60	18.40	0.00	18.40	21.90	21.60	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 11:15 PM	208.00	7.60	21.10	17.70	0.00	17.70	22.00	21.10	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 11:30 PM	219.00	4.40	19.70	17.30	0.00	17.30	21.10	19.70	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/13/14 11:45 PM	198.00	6.60	18.50	17.00	0.00	17.00	20.30	18.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 12:00 AM	211.00	7.10	18.20	16.30	0.00	16.30	19.90	18.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 12:15 AM	223.00	6.00	17.10	15.50	0.00	15.50	18.90	17.10	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 12:30 AM	210.00	6.60	16.20	14.50	0.00	14.50	17.60	16.20	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 12:45 AM	214.00	5.40	15.70	14.00	0.00	14.00	17.30	15.70	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 1:00 AM	210.00	6.00	14.80	13.50	0.00	13.50	16.50	14.80	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 1:15 AM	227.00	4.30	14.70	12.90	0.00	12.90	16.20	14.70	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 1:30 AM	213.00	5.50	14.00	12.80	0.00	12.80	16.40	14.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 1:45 AM	213.00	4.60	13.30	12.60	0.00	12.60	15.80	13.30	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 2:00 AM	212.00	6.30	13.40	12.30	0.00	12.30	15.60	13.40	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 2:15 AM	215.00	5.20	13.20	12.50	0.00	12.50	15.20	13.20	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 2:30 AM	204.00	6.20	13.20	12.20	0.00	12.20	15.00	13.20	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 2:45 AM	214.00	5.80	12.90	12.00	0.00	12.00	15.00	12.90	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 3:00 AM	224.00	5.60	12.90	11.90	0.00	11.90	15.20	12.90	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 3:15 AM	212.00	4.40	12.50	11.60	0.00	11.60	14.70	12.50	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 3:30 AM	210.00	4.60	12.50	11.60	0.00	11.60	14.40	12.50	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 3:45 AM	213.00	5.30	12.50	11.50	0.00	11.50	14.20	12.50	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 4:00 AM	201.00	5.60	12.20	11.60	0.00	11.60	14.40	12.20	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 4:15 AM	201.00	8.80	12.40	0.00	0.00	0.00	14.80	12.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 4:30 AM	209.00	7.00	11.90	11.40	0.00	11.40	14.80	11.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 4:45 AM	200.00	6.00	11.80	11.40	0.00	11.40	15.00	11.80	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:00 AM	207.00	7.30	11.80	11.50	0.00	11.50	14.90	11.80	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:15 AM	226.00	4.90	11.80	11.40	0.00	11.40	15.10	11.80	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:30 AM	207.00	7.20	11.70	11.30	0.00	11.30	14.60	11.70	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:45 AM	197.00	6.60	11.50	11.10	0.00	11.10	14.20	11.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:00 AM	223.00	4.80	11.60	11.20	0.00	11.20	13.90	11.60	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:15 AM	197.00	7.30	11.50	11.30	0.00	11.30	14.00	11.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:30 AM	220.00	4.90	11.80	11.20	0.00	11.20	13.20	11.80	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:45 AM	196.00	5.90	16.00	10.80	0.00	10.80	13.20	16.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:00 AM	215.00	6.10	12.10	10.70	0.00	10.70	12.80	12.10	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:15 AM	216.00	6.00	11.40	10.70	0.00	10.70	11.90	11.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:30 AM	222.00	3.70	11.30	10.60	0.00	10.60	11.80	11.30	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:45 AM	224.00	4.00	10.90	10.40	0.00	10.40	11.10	10.90	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:00 AM	208.00	5.40	10.60	10.60	0.00	10.60	11.10	10.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:15 AM	211.00	6.00	10.80	10.30	0.00	10.30	10.40	10.80	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:30 AM	226.00	7.40	10.60	10.40	0.00	10.40	10.00	10.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:45 AM	222.00	7.60	10.50	10.60	0.10	10.60	9.80	10.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 9:00 AM	209.00	6.30	10.90	10.70	0.00	10.7										



US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/14/14 5:15 PM	276.00	8.80	11.70	9.90	0.00	9.60	9.90	8.80	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:30 PM	274.00	7.10	10.20	9.20	0.00	8.10	9.20	7.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 5:45 PM	285.00	9.20	9.50	8.80	0.00	7.70	8.80	7.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:00 PM	271.00	11.20	10.40	9.10	0.00	9.90	9.10	7.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:15 PM	278.00	11.20	10.40	8.60	0.00	7.50	8.60	7.30	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:30 PM	300.00	8.60	9.30	8.70	0.00	7.20	8.70	6.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 6:45 PM	306.00	9.70	9.00	8.40	0.00	7.00	8.40	6.50	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:00 PM	288.00	6.70	9.30	8.30	0.00	6.90	8.30	6.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:15 PM	292.00	8.70	9.50	8.60	0.00	7.30	8.60	6.60	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:30 PM	282.00	6.00	10.00	8.90	0.00	7.60	8.90	6.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 7:45 PM	300.00	5.70	10.30	9.20	0.00	8.20	9.20	6.90	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:00 PM	313.00	4.10	10.90	9.60	0.00	9.10	9.60	6.90	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:15 PM	280.00	5.20	10.80	9.90	0.00	9.00	9.90	7.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:30 PM	289.00	7.30	10.30	10.20	0.00	9.40	10.20	7.30	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 8:45 PM	274.00	5.90	9.70	10.10	0.40	9.90	10.10	7.60	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 9:00 PM	278.00	6.20	9.40	10.00	0.60	10.50	10.00	7.60	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 9:15 PM	288.00	4.30	8.60	9.90	1.30	9.80	9.90	7.60	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 9:30 PM	271.00	5.30	8.80	10.20	1.40	9.50	10.20	8.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 9:45 PM	273.00	4.40	8.90	9.50	0.60	10.30	9.50	7.40	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 10:00 PM	282.00	6.50	10.80	9.60	0.00	10.70	9.60	7.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 10:15 PM	275.00	5.10	9.80	9.40	0.00	10.10	9.40	7.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 10:30 PM	275.00	4.10	10.00	9.50	0.00	9.40	9.50	7.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 10:45 PM	286.00	4.40	10.00	9.50	0.00	9.40	9.50	7.70	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 11:00 PM	280.00	4.40	10.00	9.50	0.00	9.60	9.50	7.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 11:15 PM	258.00	4.60	7.60	9.20	1.60	9.20	9.30	7.60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 11:30 PM	300.00	6.50	9.70	9.20	0.00	9.00	9.20	7.60	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/14/14 11:45 PM	277.00	2.90	9.60	9.50	0.00	9.00	9.50	8.30	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 12:00 AM	262.00	3.00	7.90	9.80	1.90	9.80	9.10	7.90	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 12:15 AM	265.00	3.70	7.40	9.70	2.30	9.70	9.20	7.40	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 12:30 AM	274.00	3.50	8.90	9.20	0.30	9.50	9.20	7.60	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 12:45 AM	274.00	2.50	8.50	8.60	0.10	9.00	8.60	7.00	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 1:00 AM	282.00	3.30	8.40	8.90	0.50	8.80	8.90	7.40	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 1:15 AM	267.00	4.60	7.10	9.20	2.10	9.20	8.30	7.10	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 1:30 AM	268.00	3.40	7.40	9.00	0.00	9.00	8.30	7.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 1:45 AM	280.00	3.00	9.10	8.60	0.00	9.00	8.60	7.70	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 2:00 AM	292.00	4.10	9.60	8.90	0.00	10.10	8.90	8.10	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 2:15 AM	279.00	3.60	9.50	9.10	0.00	10.40	9.10	8.60	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 2:30 AM	281.00	2.50	8.70	9.10	0.40	9.80	9.10	8.80	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 2:45 AM	280.00	4.70	9.00	8.70	0.00	10.90	8.70	8.40	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 3:00 AM	283.00	3.10	8.50	8.60	0.10	10.40	8.60	8.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 3:15 AM	287.00	3.20	8.70	8.70	0.00	9.80	8.70	9.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 3:30 AM	277.00	4.10	8.30	8.60	0.30	9.60	8.60	8.60	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 3:45 AM	286.00	3.30	9.20	8.80	0.00	10.50	8.80	8.80	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 4:00 AM	295.00	3.80	9.40	8.20	0.00	0.00	8.20	8.50	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 4:15 AM	299.00	2.90	9.20	8.30	0.00	10.00	8.30	8.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 4:30 AM	298.00	4.10	9.20	8.30	0.00	9.50	8.30	8.80	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 4:45 AM	296.00	3.00	8.70	8.30	0.00	9.20	8.30	8.30	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 5:00 AM	292.00	3.50	8.40	7.90	0.00	9.40	7.90	8.10	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 5:15 AM	297.00	2.70	8.70	8.00	0.00	9.00	8.00	8.90	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 5:30 AM	309.00	2.20	9.00	8.40	0.00	9.30	8.40	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 5:45 AM	301.00	2.30	9.70	8.20	0.00	0.00	8.20	9.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 6:00 AM	276.00	2.30	16.30	8.60	0.00	9.40	8.60	9.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 6:15 AM	292.00	2.90	9.50	9.30	0.00	10.00	9.30	10.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 6:30 AM	317.00	3.20	8.70	8.70	0.00	9.40	8.70	9.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 6:45 AM	330.00	3.10	9.60	8.70	0.00	9.70	8.70	10.30	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 7:00 AM	319.00	2.80	10.10	8.30	0.00	10.60	8.30	9.30	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 7:15 AM	323.00	2.70	9.40	8.90	0.00	9.80	8.90	9.30	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 7:30 AM	331.00	3.10	9.20	9.20	0.00	9.30	9.20	9.70	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 7:45 AM	337.00	2.70	9.40	8.90	0.00	10.20	8.90	9.60	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 8:00 AM	327.00	1.70	9.30	8.50	0.00	9.50	8.50	9.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 8:15 AM	5.00	5.70	9.40	9.60	0.20	9.40	8.90	9.60	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 8:30 AM	314.00	2.40	9.50	8.80	0.00	8.90	8.80	9.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 8:45 AM	2.00	2.60	8.40	10.00	1.60	8.40	8.80	10.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 9:00 AM	1.00	6.10	9.40	8.00	0.00	9.40	8.10	8.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 9:15 AM	339.00	4.80	8.80	8.50	0.00	7.40	8.50	7.90	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 9:30 AM	11.00	5.60	6.30	5.90	0.00	6.30	6.60	5.90	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 9:45 AM	9.00	6.70	6.60	5.80	0.00	6.60	6.70	5.80	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 10:00 AM	358.00	6.40	7.60	6.50	0.00	6.30	6.50	6.30	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 10:15 AM	6.00	7.10	6.00	6.10	0.10	6.00	6.30	6.10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 10:30 AM	9.00	5.50	5.30	6.10	0.80	5.30	6.10	6.10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/15/14 10:45 AM	10.00	9.10	5.40	5.90	0.50	5.40	6.20	5.90								



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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/16/14 7:45 PM	40.00	7.90	12.00	24.90	12.90	12.00	19.80	24.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 8:00 PM	55.00	8.50	12.60	27.30	14.70	12.60	17.70	27.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 8:15 PM	40.00	7.40	13.30	51.70	38.40	13.30	17.30	51.70	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 8:30 PM	57.00	6.20	14.60	69.20	54.60	14.60	16.80	69.20	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 8:45 PM	54.00	8.50	13.70	40.10	26.40	13.70	16.30	40.10	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 9:00 PM	53.00	9.50	13.80	38.60	24.80	13.80	16.70	38.60	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 9:15 PM	75.00	6.90	14.50	27.90	13.40	14.50	18.30	27.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 9:30 PM	56.00	5.70	14.10	25.90	11.80	14.10	15.60	25.90	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 9:45 PM	56.00	9.50	16.40	30.20	13.80	16.40	19.00	30.20	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 10:00 PM	59.00	8.30	14.20	40.90	26.70	14.20	18.00	40.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 10:15 PM	65.00	7.20	15.10	28.60	13.50	15.10	14.60	28.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 10:30 PM	82.00	4.30	13.90	24.90	11.00	13.90	15.60	24.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 10:45 PM	82.00	5.50	15.30	26.30	11.00	15.30	16.40	26.30	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 11:00 PM	68.00	6.30	14.20	21.60	7.40	14.20	14.00	21.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 11:15 PM	77.00	5.10	16.60	24.70	8.10	16.60	14.90	24.70	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 11:30 PM	77.00	5.70	12.20	22.00	9.80	12.20	14.50	22.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/16/14 11:45 PM	63.00	4.60	12.60	23.10	10.50	12.60	13.70	23.10	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:00 AM	72.00	4.90	14.30	19.40	5.10	14.30	14.10	19.40	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:15 AM	52.00	6.30	13.30	21.50	8.20	13.30	14.40	21.50	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:30 AM	75.00	6.20	20.50	23.10	2.60	20.50	15.20	23.10	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:45 AM	77.00	5.00	0.00	22.20	0.00	0.00	14.30	22.20	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 1:00 AM	80.00	5.20	13.90	22.40	8.50	13.90	16.60	22.40	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 1:15 AM	74.00	5.20	14.60	22.90	8.30	14.60	15.10	22.90	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 1:30 AM	81.00	4.80	13.40	20.30	6.90	13.40	15.00	20.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 1:45 AM	97.00	4.90	15.20	15.80	0.60	24.30	15.20	24.20	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 2:00 AM	94.00	5.90	16.20	13.80	0.00	14.30	16.20	21.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 2:15 AM	82.00	5.40	15.70	19.50	3.80	15.70	15.10	19.50	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 2:30 AM	95.00	4.70	16.50	11.10	0.00	14.50	16.50	19.80	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 2:45 AM	81.00	2.50	17.50	17.20	0.00	17.50	14.30	17.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 3:00 AM	85.00	3.20	21.40	16.20	0.00	21.40	13.90	16.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 3:15 AM	97.00	4.60	14.20	13.20	0.00	16.80	14.20	16.10	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 3:30 AM	87.00	5.00	11.80	17.30	5.50	11.80	15.30	17.30	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 3:45 AM	118.00	5.00	15.40	9.40	0.00	10.40	15.40	17.20	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 4:00 AM	83.00	4.10	10.20	17.00	6.80	10.20	16.30	17.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 4:15 AM	86.00	3.70	10.10	16.50	6.40	10.10	14.50	16.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 4:30 AM	89.00	4.50	11.60	15.80	4.20	11.60	14.90	15.80	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 4:45 AM	120.00	3.70	15.10	12.20	0.00	11.20	15.10	17.30	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 5:00 AM	82.00	5.00	9.90	16.40	6.50	9.90	15.40	16.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 5:15 AM	129.00	2.70	13.30	10.80	0.00	10.30	13.30	15.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 5:30 AM	98.00	3.00	12.40	10.80	0.00	18.60	12.40	14.90	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 5:45 AM	97.00	4.40	12.90	10.00	0.00	18.60	12.90	14.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 6:00 AM	135.00	4.20	13.40	8.70	0.00	9.70	13.40	16.70	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 6:15 AM	113.00	3.50	10.80	13.10	2.30	14.70	10.80	14.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 6:30 AM	100.00	3.00	11.80	10.20	0.00	11.30	11.80	16.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 6:45 AM	145.00	3.30	10.50	9.50	0.00	12.10	10.50	16.10	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 7:00 AM	116.00	4.00	10.40	9.30	0.00	12.60	10.40	14.80	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 7:15 AM	129.00	5.10	10.00	9.10	0.00	12.40	10.00	15.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 7:30 AM	93.00	5.20	11.50	9.60	0.00	0.00	11.50	15.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 7:45 AM	112.00	4.00	17.40	12.00	0.00	15.80	17.40	22.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 8:00 AM	132.00	4.70	15.90	13.40	0.00	17.40	15.90	27.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 8:15 AM	130.00	4.40	15.50	13.60	0.00	19.00	15.50	23.70	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 8:30 AM	121.00	5.00	16.40	13.10	0.00	20.90	16.40	24.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 8:45 AM	145.00	4.10	21.30	14.60	0.00	19.60	21.30	27.50	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:00 AM	128.00	5.20	21.70	13.10	0.00	17.00	21.70	23.40	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:15 AM	144.00	4.20	25.70	15.10	0.00	19.50	25.70	25.80	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:30 AM	152.00	5.20	28.50	17.90	0.00	27.60	28.50	35.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:45 AM	152.00	2.80	22.30	22.90	0.60	31.00	22.30	35.50	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:00 AM	156.00	2.50	17.20	15.10	0.00	19.10	17.20	23.00	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:15 AM	150.00	4.20	22.10	14.00	0.00	17.80	22.10	18.40	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:30 AM	168.00	2.90	16.10	13.40	0.00	15.60	16.10	17.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:45 AM	190.00	3.30	16.20	0.00	0.00	0.00	17.00	16.20	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:00 AM	147.00	3.40	16.80	13.50	0.00	15.30	16.80	17.70	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:15 AM	153.00	4.70	15.80	12.90	0.00	18.60	15.80	16.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:30 AM	188.00	1.90	15.30	14.50	0.00	14.50	15.60	15.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:45 AM	140.00	2.80	15.40	12.10	0.00	15.20	15.40	14.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:00 PM	182.00	3.80	13.80	15.40	1.60	15.40	15.50	13.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:15 PM	187.00	2.20	14.20	13.90	0.00	13.90	14.30	14.20	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:30 PM	177.00	4.30	14.70	13.10	0.00	15.50	14.70	15.30	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 12:45 PM	145.00	4.10	15.30	12.70	0.00	14.30	15.30	15.50	12.70									



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of Engineers®**

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March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/17/14 9:00 PM	186.00	4.60	24.70	26.20	1.50	26.20	26.50	24.70	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:15 PM	183.00	4.50	24.80	27.60	2.80	27.60	26.90	24.80	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:30 PM	174.00	2.80	26.80	23.70	0.00	27.50	26.80	26.20	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 9:45 PM	170.00	4.00	26.90	23.30	0.00	28.20	26.90	26.60	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:00 PM	175.00	4.10	27.20	23.20	0.00	29.10	27.20	26.90	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:15 PM	185.00	4.30	27.30	29.90	2.60	29.90	28.60	27.30	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:30 PM	165.00	3.70	28.90	24.20	0.00	30.10	28.90	27.60	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 10:45 PM	166.00	3.70	27.80	24.60	0.00	30.20	27.80	27.50	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:00 PM	184.00	3.10	28.10	30.40	2.30	30.40	29.00	28.10	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:15 PM	182.00	3.70	27.70	33.40	5.70	33.40	28.70	27.70	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:30 PM	220.00	3.30	27.30	30.20	2.90	30.20	28.00	27.30	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/17/14 11:45 PM	219.00	1.80	25.70	28.70	3.00	28.70	27.60	25.70	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:00 AM	192.00	2.10	24.40	28.60	4.20	28.60	26.00	24.40	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:15 AM	186.00	3.70	23.90	28.60	4.70	28.60	26.00	23.90	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:30 AM	175.00	2.10	26.00	22.30	0.00	25.00	26.00	23.00	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:45 AM	169.00	2.00	25.50	21.90	0.00	24.80	25.50	24.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:00 AM	160.00	1.60	25.70	22.50	0.00	24.40	25.70	24.90	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:15 AM	159.00	1.80	26.10	22.90	0.00	24.20	26.10	26.20	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:30 AM	163.00	2.80	27.20	22.20	0.00	24.90	27.20	25.30	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:45 AM	150.00	3.00	27.00	22.20	0.00	24.60	27.00	23.90	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 2:00 AM	165.00	4.20	27.50	23.20	0.00	25.60	27.50	24.60	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 2:15 AM	131.00	3.30	27.70	22.30	0.00	29.80	27.70	26.60	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 2:30 AM	146.00	2.50	29.40	22.30	0.00	29.80	29.40	26.60	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 2:45 AM	145.00	3.60	28.10	24.50	0.00	27.90	28.10	27.80	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 3:00 AM	161.00	3.50	28.20	24.00	0.00	28.60	28.20	26.90	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 3:15 AM	146.00	3.50	28.60	26.60	0.00	29.60	28.60	27.30	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 3:30 AM	155.00	2.80	29.80	26.40	0.00	29.00	29.80	28.60	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 3:45 AM	156.00	3.90	30.10	26.20	0.00	33.60	30.10	28.50	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 4:00 AM	161.00	4.00	30.60	27.70	0.00	0.00	30.60	29.10	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 4:15 AM	159.00	4.30	31.10	26.70	0.00	30.60	31.10	28.60	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 4:30 AM	171.00	3.90	31.00	25.40	0.00	29.90	31.00	30.20	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 4:45 AM	157.00	3.10	30.20	24.20	0.00	29.80	30.20	28.80	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 5:00 AM	161.00	2.80	28.20	22.70	0.00	25.90	28.20	27.30	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 5:15 AM	168.00	2.40	27.40	21.90	0.00	26.00	27.40	31.10	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 5:30 AM	168.00	3.30	27.20	22.30	0.00	25.20	27.20	30.40	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 5:45 AM	171.00	3.30	27.70	24.40	0.00	25.00	27.70	25.60	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 6:00 AM	173.00	3.20	25.10	21.60	0.00	24.90	25.10	27.60	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 6:15 AM	168.00	4.10	27.60	22.00	0.00	25.90	27.60	26.30	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 6:30 AM	179.00	4.30	26.20	23.30	0.00	25.90	26.20	24.60	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 6:45 AM	171.00	4.90	25.70	21.80	0.00	30.30	25.70	25.10	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 7:00 AM	160.00	5.10	26.60	21.90	0.00	27.60	26.60	24.60	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 7:15 AM	180.00	3.80	25.00	29.40	4.40	29.40	26.90	25.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 7:30 AM	185.00	4.50	25.70	28.10	2.40	28.10	28.00	25.70	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 7:45 AM	161.00	4.10	29.80	23.60	0.00	27.30	29.80	27.10	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 8:00 AM	169.00	3.90	30.20	24.70	0.00	26.90	30.20	27.00	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 8:15 AM	165.00	6.20	28.80	23.20	0.00	29.30	28.80	27.10	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 8:30 AM	171.00	5.10	28.20	23.00	0.00	27.60	28.20	27.20	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 8:45 AM	165.00	4.70	28.00	23.70	0.00	30.40	28.00	26.80	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 9:00 AM	183.00	4.50	26.40	18.30	2.90	29.30	27.90	26.40	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 9:15 AM	170.00	5.20	27.70	24.00	0.00	29.60	27.70	26.40	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 9:30 AM	175.00	5.10	29.40	24.20	0.00	27.70	29.40	26.20	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 9:45 AM	181.00	5.70	26.40	28.50	2.10	28.50	32.50	26.40	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:00 AM	184.00	4.90	24.70	27.90	3.20	27.90	31.20	24.70	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:15 AM	198.00	3.70	24.10	27.20	3.10	27.20	32.50	24.10	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:30 AM	178.00	3.50	33.50	24.10	0.00	29.40	33.50	24.20	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:45 AM	179.00	3.00	35.10	24.10	0.00	25.90	35.10	24.30	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:00 AM	197.00	4.20	24.30	25.90	1.60	25.90	33.60	24.30	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:15 AM	176.00	4.90	34.70	24.20	0.00	25.40	34.70	23.00	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:30 AM	195.00	4.10	24.60	26.70	2.10	26.70	36.20	24.60	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:45 AM	183.00	5.40	25.20	27.30	2.10	27.30	35.30	25.20	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:00 PM	196.00	5.30	24.40	28.30	3.90	28.30	35.90	24.40	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:15 PM	208.00	6.20	24.70	28.90	4.20	28.90	34.70	24.70	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:30 PM	184.00	4.80	26.30	28.90	2.60	28.90	36.60	26.30	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 12:45 PM	212.00	4.70	26.30	28.30	2.00	28.30	35.90	26.30	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:00 PM	144.00	3.60	30.50	18.90	0.00	24.60	30.50	20.80	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:15 PM	179.00	5.60	30.60	19.00	0.00	23.50	30.60	22.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:30 PM	157.00	6.30	30.40	20.20	0.00	24.50	30.40	22.30	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 1:45 PM	181.00	5.80	24.70	29.10	4.40	29.10	32.10	24.70	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 2:00 PM	164.00	6.00	33.40	21.70														



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/18/14 10:15 PM	167.00	5.10	31.30	18.70	0.00	31.80	31.30	27.30	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:30 PM	165.00	4.40	31.70	18.10	0.00	0.00	31.70	28.10	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 10:45 PM	183.00	6.20	29.10	32.20	3.10	32.20	31.00	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:00 PM	173.00	5.00	29.40	18.90	0.00	29.60	29.40	28.70	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:15 PM	159.00	4.00	30.30	17.80	0.00	29.10	30.30	26.60	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:30 PM	169.00	3.70	27.90	16.50	0.00	28.10	27.90	25.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/14 11:45 PM	165.00	5.10	27.80	15.90	0.00	28.40	27.80	24.90	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:00 AM	168.00	5.80	27.50	14.50	0.00	30.00	27.50	25.00	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:15 AM	185.00	5.30	24.50	32.10	7.60	32.10	27.50	24.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:30 AM	168.00	6.30	27.50	14.20	0.00	30.00	27.50	24.40	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:45 AM	170.00	5.20	29.00	15.10	0.00	26.50	29.00	24.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:00 AM	178.00	5.20	26.80	15.60	0.00	24.70	26.80	23.10	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:15 AM	173.00	5.20	26.80	15.50	0.00	23.90	26.80	22.10	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:30 AM	177.00	6.20	23.10	14.40	0.00	20.60	23.10	20.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:45 AM	155.00	3.90	22.90	14.30	0.00	19.60	22.90	21.20	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:00 AM	191.00	5.80	21.30	19.90	0.00	19.90	23.10	21.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:15 AM	180.00	6.40	22.40	19.20	0.00	19.20	23.40	22.40	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:30 AM	176.00	6.00	23.90	12.60	0.00	20.00	23.90	22.70	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:45 AM	185.00	4.70	23.00	22.10	0.00	22.10	24.70	23.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:00 AM	194.00	4.30	23.90	0.00	0.00	0.00	25.40	23.90	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:15 AM	194.00	4.30	24.90	22.70	0.00	22.70	25.80	24.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:30 AM	197.00	5.50	25.70	22.50	0.00	22.50	26.00	25.70	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:45 AM	211.00	5.50	26.30	22.80	0.00	22.80	26.00	26.30	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 4:00 AM	193.00	5.10	26.60	22.60	0.00	22.60	26.20	26.60	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 4:15 AM	194.00	3.70	26.80	21.10	0.00	21.10	25.40	26.80	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 4:30 AM	192.00	2.70	26.10	18.90	0.00	18.90	25.00	26.10	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 4:45 AM	187.00	4.30	26.30	18.40	0.00	18.40	25.00	26.30	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 5:00 AM	183.00	3.10	27.60	18.30	0.00	18.30	26.00	27.60	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 5:15 AM	186.00	4.10	29.10	19.40	0.00	19.40	26.20	29.10	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 5:30 AM	174.00	3.50	28.00	12.00	0.00	19.70	28.00	32.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 5:45 AM	163.00	3.10	28.30	12.10	0.00	20.70	28.30	34.80	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 6:00 AM	188.00	3.10	35.30	20.30	0.00	20.30	29.30	35.30	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 6:15 AM	190.00	4.30	34.80	20.10	0.00	20.10	30.50	34.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 6:30 AM	214.00	3.10	35.30	16.60	0.00	16.60	30.50	35.30	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 6:45 AM	180.00	2.80	35.30	16.60	0.00	16.60	30.50	35.30	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 7:00 AM	212.00	3.80	35.70	16.10	0.00	16.10	30.60	35.70	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 7:15 AM	225.00	3.30	36.50	16.70	0.00	16.70	30.60	36.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 7:30 AM	222.00	3.80	36.40	15.70	0.00	15.70	32.20	36.40	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 7:45 AM	246.00	5.00	34.40	16.20	0.00	16.20	32.20	34.40	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 8:00 AM	226.00	4.50	34.40	16.20	0.00	16.20	27.40	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 8:15 AM	233.00	6.30	34.40	14.10	0.00	14.10	26.50	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 8:30 AM	236.00	5.20	34.40	14.10	0.00	14.10	26.50	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 8:45 AM	230.00	3.80	34.40	14.10	0.00	14.10	25.40	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 9:00 AM	233.00	4.20	34.40	14.10	0.00	14.10	25.40	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 9:15 AM	254.00	4.30	34.40	14.10	0.00	14.10	25.40	34.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 9:30 AM	249.00	3.90	28.60	13.50	0.00	13.50	23.70	28.60	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 9:45 AM	236.00	3.90	28.60	13.50	0.00	13.50	23.50	28.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 10:00 AM	245.00	5.00	28.60	13.80	0.00	13.80	24.00	28.60	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 10:15 AM	247.00	3.60	27.70	13.80	0.00	13.80	24.00	27.70	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 10:30 AM	243.00	4.70	27.70	14.10	0.00	14.10	23.60	27.70	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 10:45 AM	243.00	3.50	26.20	13.70	0.00	13.70	23.10	26.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 11:00 AM	253.00	3.20	23.90	13.70	0.00	13.70	21.30	23.90	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 11:15 AM	237.00	2.80	23.90	13.70	0.00	13.70	21.30	23.90	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 11:30 AM	273.00	4.50	8.70	21.30	12.60	12.60	21.30	23.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 11:45 AM	283.00	6.60	8.70	21.30	12.60	12.60	21.30	23.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:00 PM	264.00	6.90	23.50	12.60	0.00	12.60	20.50	23.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:15 PM	284.00	6.30	8.70	20.50	11.80	12.60	20.50	23.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:30 PM	281.00	5.10	7.90	20.10	12.20	13.10	20.10	22.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 12:45 PM	275.00	5.70	8.00	20.10	12.10	13.10	20.10	25.20	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:00 PM	299.00	5.30	7.30	20.10	12.80	13.10	20.10	25.20	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:15 PM	299.00	6.20	7.30	20.10	12.80	13.10	20.10	23.80	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:30 PM	290.00	7.20	7.30	20.10	12.80	9.60	20.10	23.80	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 1:45 PM	289.00	6.90	6.70	16.90	10.20	9.60	16.90	23.80	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:00 PM	305.00	5.10	6.80	16.90	10.10	8.60	16.90	23.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:15 PM	295.00	9.50	6.80	16.90	10.10	8.60	16.90	23.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:30 PM	313.00	5.40	6.80	15.90	9.10	8.60	15.90	17.40	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 2:45 PM	299.00	5.50	6.70	15.90	9.20	8.60	15.90	17.40	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:00 PM	289.00	6.20	6.70	15.90	9.20	8.60	15.90	17.40	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/19/14 3:15 PM	304.00	9.00	7.20	15.80	8.60	7.20	15.80											



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Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/21/14 1:00 AM	153.00	3.30	36.90	29.70	0.00	32.80	36.90	31.60	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:15 AM	133.00	4.90	40.00	35.40	0.00	37.70	40.00	34.00	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:30 AM	151.00	4.60	37.50	31.20	0.00	41.50	37.50	33.90	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:45 AM	143.00	3.00	32.50	25.80	0.00	26.50	32.50	28.20	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:00 AM	192.00	2.80	26.70	27.60	0.90	27.60	31.40	26.70	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:15 AM	177.00	5.50	30.10	24.40	0.00	31.70	30.10	27.40	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:30 AM	193.00	2.90	27.90	0.00	0.00	0.00	30.10	27.90	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:45 AM	175.00	2.90	29.70	27.30	0.00	30.60	29.70	27.50	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:00 AM	153.00	1.80	29.00	25.10	0.00	27.30	29.00	26.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:15 AM	167.00	3.50	31.70	26.20	0.00	30.60	31.70	29.70	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:30 AM	158.00	3.30	33.40	26.00	0.00	35.00	33.40	34.40	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:45 AM	161.00	5.90	36.70	23.70	0.00	35.60	36.70	35.90	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:00 AM	145.00	3.30	38.10	24.70	0.00	37.50	38.10	38.80	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:15 AM	164.00	5.10	37.20	20.40	0.00	37.70	37.20	40.90	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:30 AM	160.00	3.70	36.30	18.70	0.00	40.00	36.30	39.40	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:45 AM	156.00	2.50	36.80	19.00	0.00	37.60	36.80	39.10	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:00 AM	171.00	4.50	38.10	20.00	0.00	40.00	38.10	40.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:15 AM	164.00	2.80	38.80	21.90	0.00	40.30	38.80	41.70	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:30 AM	167.00	3.00	40.70	24.30	0.00	42.70	40.70	43.80	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:45 AM	154.00	2.80	41.00	25.90	0.00	44.50	41.00	45.40	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 6:00 AM	140.00	2.40	41.70	27.20	0.00	45.10	41.70	45.80	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 6:15 AM	122.00	3.10	41.50	29.40	0.00	44.60	41.50	46.90	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 6:30 AM	122.00	3.80	41.50	30.40	0.00	44.50	41.50	46.60	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 6:45 AM	120.00	3.70	40.50	31.50	0.00	44.80	40.50	45.70	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 7:00 AM	124.00	4.50	40.20	33.60	0.00	43.70	40.20	44.40	33.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 7:15 AM	131.00	4.80	42.90	32.40	0.00	43.10	42.90	46.70	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 7:30 AM	134.00	3.30	47.20	32.40	0.00	43.90	47.20	45.10	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 7:45 AM	130.00	4.90	53.10	29.40	0.00	41.80	53.10	48.10	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 8:00 AM	124.00	2.20	52.70	27.50	0.00	42.90	52.70	49.20	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 8:15 AM	139.00	3.20	45.50	29.90	0.00	42.90	45.50	43.90	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 8:30 AM	144.00	5.10	45.40	29.00	0.00	40.10	45.40	44.10	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 8:45 AM	151.00	4.00	47.10	27.70	0.00	38.20	47.10	44.00	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 9:00 AM	147.00	4.30	43.30	26.10	0.00	38.80	43.30	40.20	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 9:15 AM	141.00	3.40	50.90	26.00	0.00	37.10	50.90	37.80	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 9:30 AM	109.00	3.90	45.10	24.60	0.00	34.40	45.10	37.40	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 9:45 AM	140.00	4.10	37.80	23.90	0.00	30.90	37.80	34.70	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 10:00 AM	163.00	2.80	35.60	23.90	0.00	30.70	35.60	33.00	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 10:15 AM	151.00	3.10	33.60	24.50	0.00	27.80	33.60	29.40	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 10:30 AM	169.00	2.50	31.20	23.10	0.00	28.90	31.20	27.80	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 10:45 AM	141.00	2.70	31.40	22.50	0.00	25.50	31.40	27.90	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 11:00 AM	170.00	3.90	29.80	22.40	0.00	24.90	29.80	24.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 11:15 AM	148.00	4.60	30.00	22.80	0.00	22.80	30.00	23.80	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 11:30 AM	146.00	4.10	26.90	19.10	0.00	22.20	26.90	22.90	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 11:45 AM	161.00	2.80	26.10	17.40	0.00	21.60	26.10	23.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 12:00 PM	172.00	3.10	26.90	17.80	0.00	21.90	26.90	21.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 12:15 PM	147.00	4.30	22.80	15.70	0.00	19.60	22.80	19.20	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 12:30 PM	129.00	4.80	23.90	17.10	0.00	20.70	23.90	19.10	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 12:45 PM	87.00	3.10	19.70	19.80	0.10	19.70	23.60	19.80	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:00 PM	113.00	3.20	24.30	15.90	0.00	18.90	24.30	19.80	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:15 PM	185.00	5.40	19.10	0.00	0.00	0.00	23.60	19.10	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:30 PM	130.00	4.40	25.00	16.10	0.00	0.00	25.00	20.10	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 1:45 PM	172.00	4.90	24.90	17.60	0.00	0.00	24.90	22.50	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:00 PM	157.00	6.60	24.90	15.60	0.00	22.40	24.90	22.40	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:15 PM	184.00	8.00	19.70	22.40	2.70	22.40	27.30	19.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:30 PM	181.00	5.70	19.90	23.30	3.40	23.30	24.90	19.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 2:45 PM	157.00	7.60	25.30	10.60	0.00	20.70	25.30	20.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:00 PM	191.00	5.90	20.30	23.50	3.20	23.50	25.20	20.30	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:15 PM	189.00	6.50	19.10	20.60	1.50	20.60	24.20	19.10	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:30 PM	171.00	7.80	25.30	9.40	0.00	20.80	25.30	18.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 3:45 PM	193.00	7.20	18.90	20.90	2.00	20.90	24.80	18.90	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:00 PM	176.00	5.00	25.60	10.10	0.00	22.30	25.60	18.90	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:15 PM	195.00	6.20	19.80	23.20	3.40	23.20	25.90	19.80	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:30 PM	184.00	6.10	19.80	22.90	3.10	22.90	26.10	19.80	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 4:45 PM	178.00	5.00	28.60	11.70	0.00	24.50	28.60	21.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:00 PM	200.00	7.30	21.90	24.80	2.90	24.80	29.50	21.90	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:15 PM	223.00	7.00	21.70	23.60	1.90	23.60	28.50	21.70	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:30 PM	172.00	4.30	27.90	10.30	0.00	22.60	27.90	21.20	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 5:45 PM	170.00	2.00	25.70	9.00	0.00	20.50	25.70	20.40	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/21/14 6:00 PM	204.00	4.00	15.60	16.40	0.80	16.40	21									



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/22/14 2:15 AM	329.00	6.00	14.10	16.10	2.00	14.90	16.10	13.90	14.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:30 AM	335.00	6.80	13.30	15.80	2.50	14.60	15.80	14.30	13.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:45 AM	310.00	7.60	12.30	15.20	2.90	13.50	15.20	13.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:00 AM	309.00	4.70	12.50	14.50	2.00	13.30	14.50	12.70	12.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:15 AM	334.00	8.00	12.80	15.50	2.70	13.80	15.50	13.30	12.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:30 AM	335.00	8.20	13.00	15.90	2.90	14.30	15.90	13.40	13.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:45 AM	5.00	9.20	14.20	13.40	0.00	14.20	16.20	13.40	13.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:00 AM	330.00	7.00	13.00	15.60	2.60	14.30	15.60	13.10	13.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:15 AM	330.00	3.80	12.40	15.10	2.70	13.10	15.10	12.50	12.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:30 AM	343.00	4.00	11.90	14.70	2.80	0.00	14.70	11.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:45 AM	349.00	5.40	12.40	14.50	2.10	12.60	14.50	11.20	12.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:00 AM	3.00	7.20	12.00	0.00	0.00	12.00	14.10	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:15 AM	353.00	4.50	12.00	13.80	1.80	12.40	13.80	10.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:30 AM	2.00	2.50	13.60	12.00	0.00	13.60	14.60	12.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:45 AM	350.00	3.70	14.10	15.20	1.10	14.40	15.20	12.70	14.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:00 AM	4.00	4.40	0.00	13.30	0.00	0.00	15.00	13.30	14.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:15 AM	349.00	3.40	13.90	15.30	1.40	14.70	15.30	14.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:30 AM	355.00	3.30	13.30	15.90	2.60	14.90	15.90	14.20	13.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:45 AM	2.00	4.80	15.30	14.20	0.00	15.30	15.50	14.20	13.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:00 AM	358.00	4.10	12.50	15.40	2.90	14.80	15.40	13.10	12.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:15 AM	356.00	3.80	13.40	15.20	1.80	15.00	15.20	14.00	13.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:30 AM	359.00	4.50	12.80	15.60	2.80	15.10	15.60	14.50	12.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:45 AM	325.00	2.80	13.10	15.80	2.70	15.50	15.80	14.10	13.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:00 AM	341.00	3.60	12.70	15.70	3.00	15.30	15.70	14.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:15 AM	327.00	4.30	13.20	15.00	1.80	14.70	15.00	14.20	13.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:30 AM	339.00	5.50	13.30	15.00	1.70	14.60	15.00	14.30	13.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:45 AM	331.00	5.50	14.70	14.90	0.20	14.60	14.90	13.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 9:00 AM	329.00	4.90	10.80	13.50	2.70	13.00	13.50	12.10	10.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 9:15 AM	331.00	3.70	9.90	13.10	3.20	12.30	13.10	11.30	9.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 9:30 AM	324.00	5.70	9.10	13.10	4.00	10.60	13.10	10.60	9.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 9:45 AM	337.00	5.40	10.00	11.90	1.90	10.50	11.90	9.60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 10:00 AM	355.00	4.10	9.30	11.90	2.60	10.40	11.90	9.80	9.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 10:15 AM	342.00	4.60	8.90	11.60	2.70	10.40	11.60	9.80	8.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 10:30 AM	4.00	3.60	10.20	9.40	0.00	10.20	11.70	9.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 10:45 AM	356.00	3.00	9.10	11.00	1.90	9.90	11.00	9.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 11:00 AM	0.00	4.60	10.50	9.20	0.00	10.50	11.40	9.20	9.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 11:15 AM	3.00	6.30	10.30	9.70	0.00	10.30	11.20	9.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 11:30 AM	7.00	4.80	10.30	10.00	0.00	10.30	11.30	10.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 11:45 AM	348.00	3.90	9.60	10.80	1.20	9.60	10.80	10.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 12:00 PM	5.00	3.90	9.60	8.80	0.00	9.60	10.40	8.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 12:15 PM	353.00	3.90	9.80	10.80	1.00	10.00	10.80	9.70	9.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 12:30 PM	345.00	3.20	9.50	10.70	1.20	9.70	10.70	9.90	9.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 12:45 PM	355.00	2.20	9.20	10.40	1.20	9.20	10.40	9.10	9.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 1:00 PM	23.00	2.30	8.50	8.70	0.20	8.50	9.40	8.70	8.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 1:15 PM	356.00	4.50	9.10	9.80	0.70	8.70	9.80	8.80	9.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 1:30 PM	12.00	2.80	7.70	6.50	0.00	7.70	8.40	6.50	8.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 1:45 PM	6.00	2.40	8.60	8.40	0.00	8.60	9.90	8.40	8.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:00 PM	5.00	3.30	0.00	8.30	0.00	0.00	9.80	8.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:15 PM	24.00	3.60	8.80	8.40	0.00	8.80	9.50	8.40	8.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:30 PM	39.00	3.70	8.30	8.50	0.20	8.30	9.00	8.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 2:45 PM	27.00	4.90	8.10	8.30	0.20	8.10	9.00	8.30	8.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:00 PM	67.00	4.90	8.40	8.50	0.10	8.40	9.10	8.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:15 PM	38.00	3.80	8.00	8.30	0.30	8.00	8.80	8.30	9.10	0.00	0.00	0.00	1.10	0.00	0.00	
3/22/14 3:30 PM	59.00	5.00	8.60	8.40	0.00	8.60	9.20	8.40	8.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 3:45 PM	40.00	4.30	10.00	11.00	1.00	10.00	9.60	11.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:00 PM	39.00	5.90	9.70	11.80	2.10	9.70	11.10	11.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:15 PM	54.00	8.20	10.70	10.90	0.20	10.70	11.70	10.90	9.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:30 PM	48.00	7.70	11.00	12.30	1.30	11.00	12.20	12.30	9.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 4:45 PM	40.00	7.40	10.60	12.80	2.20	10.60	12.30	12.80	9.10	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:00 PM	80.00	5.50	11.20	14.60	3.40	11.20	12.90	14.60	8.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:15 PM	69.00	4.60	11.70	13.20	1.50	11.70	13.50	13.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:30 PM	79.00	5.80	12.30	13.60	1.30	12.30	13.80	13.60	10.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 5:45 PM	60.00	5.30	11.70	12.50	0.80	11.70	12.60	12.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:00 PM	57.00	5.90	8.80	13.10	4.30	8.80	11.00	13.10	8.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:15 PM	67.00	6.50	8.90	9.10	0.20	8.90	10.40	9.10	10.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:30 PM	81.00	4.20	9.40	9.30	0.00	9.40	10.50	9.30	9.20	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 6:45 PM	54.00	4.50	0.00	9.70	0.00	0.00	10.50	9.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:00 PM	73.00	3.00	10.70	10.70	0.00	10.70	11.80	10.70	6.50	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:15 PM	41.00	4.50	13.60	11.40	0.00	13.60	12.70	11.40	7.00	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:30 PM	54.00	4.10	10.10	9.80	0.00	10.10	13.30	9.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 7:45 PM	48.00	4.90	11.60	9.30	0.00	11.60	11.20	9.30	9.70	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:00 PM	64.00	3.00	10.30	9.50	0.00	10.30	10.60	9.50	8.30	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:15 PM	61.00	2.40	10.20	9.20	0.00	10.20	10.70	9.20	8.90	0.00	0.00	0.00	0.00	0.00	0.00	
3/22/14 8:30 PM	54.00	3.30	10.40	9.50</												



**US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/24/14 4:45 AM	213.00	2.10	14.00	14.60	0.60	14.60	13.70	14.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:00 AM	239.00	2.30	14.30	14.40	0.10	14.40	13.40	14.30	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:15 AM	221.00	1.70	13.80	14.10	0.30	14.10	13.30	13.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:30 AM	221.00	1.90	13.80	14.10	0.30	14.10	13.20	13.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:45 AM	240.00	1.80	13.80	14.00	0.20	14.00	12.60	13.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:00 AM	237.00	2.00	13.80	14.00	0.20	14.00	12.70	13.80	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:15 AM	250.00	2.00	14.10	14.20	0.10	14.20	13.00	14.10	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:30 AM	261.00	1.90	16.40	16.40	0.00	16.40	13.90	16.40	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:45 AM	266.00	1.80	19.60	18.20	0.00	18.20	15.40	19.60	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:00 AM	275.00	2.80	17.60	15.70	0.00	24.60	15.70	26.10	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:15 AM	257.00	2.30	28.80	19.50	0.00	19.50	19.80	28.80	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:30 AM	281.00	2.60	14.40	17.20	2.80	19.10	17.20	20.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:45 AM	283.00	1.70	15.10	18.00	2.90	17.70	18.00	18.70	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:00 AM	263.00	2.10	20.20	18.70	0.00	18.70	17.30	20.20	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:15 AM	303.00	3.80	18.10	20.80	2.70	20.60	20.80	23.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:30 AM	311.00	2.50	17.90	21.30	3.40	21.50	21.30	24.60	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:45 AM	312.00	2.30	19.20	22.20	3.00	23.40	22.20	27.20	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:00 AM	315.00	1.60	19.50	21.40	1.90	25.10	21.40	27.20	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:15 AM	314.00	1.70	20.70	21.70	1.00	23.00	21.70	25.10	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:30 AM	306.00	1.90	21.60	21.20	0.00	23.70	21.20	24.20	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:45 AM	300.00	0.80	22.30	20.90	0.00	23.70	20.90	24.50	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 10:00 AM	265.00	1.90	23.90	22.90	0.00	22.90	21.70	23.90	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 10:15 AM	323.00	2.10	25.30	22.20	0.00	23.20	22.20	25.40	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 10:30 AM	310.00	1.70	22.50	22.90	0.40	22.60	22.90	26.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 10:45 AM	333.00	4.10	22.00	20.90	0.00	0.00	20.90	23.60	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 11:00 AM	290.00	1.90	17.80	17.70	0.00	16.00	17.70	19.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 11:15 AM	285.00	4.40	16.30	18.40	2.10	14.10	18.40	19.70	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 11:30 AM	337.00	2.10	16.10	16.20	0.10	15.20	16.20	18.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 11:45 AM	305.00	4.40	15.50	15.20	0.00	12.20	15.20	14.40	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 12:00 PM	305.00	3.30	17.70	17.00	0.00	14.70	17.00	17.40	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 12:15 PM	290.00	1.50	18.20	16.80	0.00	14.50	16.80	17.40	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 12:30 PM	25.00	2.40	13.20	15.20	2.00	13.20	16.30	15.20	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 12:45 PM	20.00	1.40	13.30	15.40	2.10	13.30	15.90	15.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 1:00 PM	27.00	3.50	13.20	15.00	1.80	13.20	16.20	15.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 1:15 PM	313.00	0.60	17.40	15.20	0.00	12.90	15.20	14.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 1:30 PM	59.00	2.80	11.80	13.90	2.10	11.80	15.30	13.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 1:45 PM	51.00	2.80	12.20	13.90	1.70	12.20	15.50	13.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 2:00 PM	44.00	3.80	11.10	12.20	1.10	11.10	14.40	12.20	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 2:15 PM	39.00	5.80	19.30	12.90	0.00	19.30	15.20	12.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 2:30 PM	87.00	3.60	17.30	20.70	3.40	17.30	21.80	20.70	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 2:45 PM	75.00	3.40	22.40	23.10	0.70	22.40	23.40	23.10	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 3:00 PM	69.00	3.40	20.10	23.10	3.00	20.10	23.80	23.10	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 3:15 PM	76.00	2.10	25.20	23.70	0.00	25.20	23.90	23.70	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 3:30 PM	102.00	3.20	24.10	32.60	8.50	23.00	24.10	21.70	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 3:45 PM	155.00	2.80	25.90	29.60	3.70	33.30	25.90	30.50	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 4:00 PM	203.00	0.50	27.40	26.70	0.00	26.70	28.80	27.40	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 4:15 PM	125.00	2.60	28.80	26.90	0.00	23.90	28.80	27.10	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 4:30 PM	115.00	2.80	32.40	28.70	0.00	33.20	32.40	25.80	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 4:45 PM	130.00	2.70	30.00	38.60	8.60	39.10	30.00	28.70	38.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:00 PM	134.00	3.80	31.80	35.40	3.60	36.20	31.80	32.00	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:15 PM	128.00	2.90	32.70	28.80	0.00	33.30	32.70	28.50	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:30 PM	115.00	3.70	29.10	35.30	6.20	37.10	29.10	29.80	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 5:45 PM	148.00	3.50	32.60	32.50	0.00	36.00	32.60	26.50	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:00 PM	188.00	2.50	26.80	31.80	5.00	31.80	33.70	26.80	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:15 PM	240.00	3.30	29.90	45.10	15.20	45.10	34.40	29.90	35.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:30 PM	261.00	3.90	34.80	33.20	0.00	33.20	35.20	34.80	39.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 6:45 PM	288.00	3.60	33.00	29.20	0.00	31.10	29.20	27.00	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:00 PM	266.00	2.90	23.30	33.90	10.60	33.90	30.20	23.30	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:15 PM	267.00	3.40	25.60	37.40	11.80	37.40	30.30	25.60	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:30 PM	294.00	3.20	37.80	31.30	0.00	0.00	31.30	23.90	37.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 7:45 PM	269.00	3.70	20.80	22.30	1.50	22.30	22.50	20.80	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:00 PM	253.00	3.50	19.20	20.60	1.40	20.60	22.80	19.20	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:15 PM	254.00	3.50	19.20	20.70	1.50	20.70	23.60	19.20	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:30 PM	260.00	3.10	18.10	22.40	4.30	22.40	23.00	18.10	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 8:45 PM	261.00	2.60	18.50	23.40	4.90	23.40	23.00	18.50	25.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:00 PM	254.00	2.20	18.40	20.70	2.30	20.70	23.20	18.40	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:15 PM	241.00	2.20	19.90	21.10	1.20	21.10	23.80	19.90	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:30 PM	240.00	2.20	19.80	22.30	2.50	22.30	23.20	19.80	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/14 9:45 PM	216.00	1.60	20.20	22.40	2.20	22.40	23.50</									



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March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/25/14 6:00 AM	349.00	5.50	13.40	22.50	9.10	24.40	22.50	23.80	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:15 AM	325.00	4.70	13.30	22.40	9.10	23.50	22.40	23.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:30 AM	331.00	4.30	16.60	24.50	7.90	26.70	24.50	22.90	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:45 AM	354.00	5.00	18.50	29.30	10.80	27.40	29.30	32.90	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:00 AM	335.00	6.40	21.60	29.60	8.00	29.30	29.60	30.30	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:15 AM	331.00	3.90	19.70	23.10	3.40	23.10	23.10	31.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:30 AM	327.00	4.60	19.10	22.80	3.70	22.90	22.80	24.20	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:45 AM	334.00	4.80	19.30	22.10	2.80	21.90	22.10	23.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:00 AM	329.00	5.20	20.40	21.60	1.20	21.70	21.60	23.20	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:15 AM	326.00	4.50	20.70	21.20	0.50	22.10	21.20	22.80	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:30 AM	321.00	4.20	22.50	22.40	0.00	23.50	22.40	23.90	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:45 AM	339.00	5.30	21.40	21.30	0.00	0.00	21.30	23.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:00 AM	314.00	6.10	19.90	18.30	0.00	19.40	18.30	20.10	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:15 AM	328.00	8.70	19.50	18.00	0.00	18.30	18.00	17.30	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:30 AM	330.00	7.30	16.50	14.80	0.00	0.00	14.80	14.70	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:45 AM	337.00	7.20	15.70	14.50	0.00	13.90	14.50	13.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:00 AM	349.00	4.80	15.70	14.10	0.00	12.50	14.10	13.80	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:15 AM	359.00	3.30	14.10	13.40	0.00	11.70	13.40	12.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:30 AM	339.00	8.10	13.20	12.60	0.00	11.20	12.60	11.50	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:45 AM	323.00	6.00	13.20	12.90	0.00	11.00	12.90	11.70	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 11:00 AM	338.00	7.00	13.50	12.70	0.00	0.00	12.70	11.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 11:15 AM	335.00	7.30	14.40	13.80	0.00	12.50	13.80	12.40	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 11:30 AM	313.00	5.20	14.40	14.30	0.00	0.00	14.30	13.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 11:45 AM	353.00	6.70	14.80	13.90	0.00	12.70	13.90	12.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 12:00 PM	310.00	8.20	14.70	13.40	0.00	12.30	13.40	12.50	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 12:15 PM	312.00	6.20	14.90	13.50	0.00	13.00	13.50	13.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 12:30 PM	305.00	7.80	16.60	15.20	0.00	14.70	15.20	15.20	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 12:45 PM	285.00	6.10	15.90	13.30	0.00	13.00	13.30	13.20	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 1:00 PM	324.00	6.90	13.70	13.20	0.00	11.60	13.20	12.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 1:15 PM	312.00	5.50	13.70	12.30	0.00	11.30	12.30	10.90	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 1:30 PM	342.00	5.80	13.70	12.00	0.00	11.40	12.00	11.70	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 1:45 PM	331.00	8.40	13.00	11.50	0.00	10.20	11.50	11.70	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 2:00 PM	324.00	5.40	14.90	11.20	0.00	10.50	11.20	10.70	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 2:15 PM	333.00	8.10	0.00	11.50	0.00	0.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 2:30 PM	341.00	5.90	13.60	11.50	0.00	10.50	11.50	11.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 2:45 PM	337.00	6.50	14.40	11.90	0.00	11.60	11.90	11.30	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 3:00 PM	346.00	4.10	14.80	12.30	0.00	12.00	12.30	12.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 3:15 PM	304.00	6.90	14.80	11.00	0.00	0.00	11.00	11.20	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 3:30 PM	334.00	6.10	17.50	11.30	0.00	10.70	11.30	10.90	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 3:45 PM	300.00	3.50	18.20	11.40	0.00	11.40	11.40	12.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 4:00 PM	347.00	6.00	14.10	11.50	0.00	10.70	11.50	11.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 4:15 PM	320.00	4.70	14.40	11.70	0.00	9.60	11.70	10.30	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 4:30 PM	332.00	10.00	14.50	10.80	0.00	9.90	10.80	10.60	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 4:45 PM	321.00	7.60	16.40	11.20	0.00	9.60	11.20	10.30	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 5:00 PM	317.00	4.70	12.90	11.80	0.00	10.50	11.80	13.40	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 5:15 PM	332.00	5.90	13.40	11.60	0.00	9.50	11.60	9.70	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 5:30 PM	316.00	6.50	13.30	11.20	0.00	10.00	11.20	10.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 5:45 PM	316.00	5.90	13.70	11.50	0.00	9.70	11.50	10.90	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:00 PM	328.00	7.40	13.10	10.80	0.00	9.50	10.80	9.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:15 PM	314.00	4.40	16.40	11.60	0.00	9.60	11.60	11.00	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:30 PM	325.00	7.00	13.30	10.80	0.00	10.30	10.80	9.90	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 6:45 PM	315.00	4.20	13.10	10.50	0.00	9.60	10.50	10.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:00 PM	319.00	6.60	13.00	10.30	0.00	9.60	10.30	9.60	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:15 PM	336.00	6.20	16.50	10.60	0.00	10.10	10.60	10.40	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:30 PM	327.00	4.90	14.60	10.00	0.00	8.60	10.00	9.10	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 7:45 PM	338.00	4.60	13.20	9.90	0.00	9.10	9.90	8.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:00 PM	337.00	4.80	12.50	9.90	0.00	9.40	9.90	8.10	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:15 PM	307.00	5.70	12.30	10.20	0.00	8.60	10.20	8.20	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:30 PM	329.00	5.20	11.10	10.70	0.00	8.70	10.70	10.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 8:45 PM	308.00	4.90	10.50	10.40	0.00	8.70	10.40	8.90	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:00 PM	304.00	2.90	11.10	10.30	0.00	9.00	10.30	9.70	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:15 PM	313.00	3.90	11.00	10.20	0.00	0.00	10.20	9.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:30 PM	308.00	3.60	10.70	10.40	0.00	9.30	10.40	9.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 9:45 PM	321.00	4.50	11.30	10.10	0.00	9.40	10.10	8.80	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:00 PM	324.00	3.20	10.60	10.20	0.00	9.20	10.20	8.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:15 PM	314.00	5.80	11.20	9.80	0.00	9.50	9.80	8.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:30 PM	314.00	4.20	10.30	10.10	0.00	9.00	10.10	9.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 10:45 PM	334.00	4.60	10.70	9.70	0.00	9.60	9.70	8.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/25/14 11:00 PM	295.00	3.40	12.30	10.10	0.00	11.70	10.10	9.30	12.30	0.00	0					



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/26/14 7:15 AM	270.00	2.90	15.70	13.60	0.00	14.30	13.60	14.80	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:30 AM	260.00	2.40	15.90	16.20	0.30	16.20	13.90	15.90	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:45 AM	277.00	2.40	12.80	16.20	3.40	19.40	16.20	17.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:00 AM	262.00	1.10	18.10	19.40	1.30	19.40	16.40	18.10	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:15 AM	294.00	1.30	17.00	18.20	1.20	0.00	18.20	18.90	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:30 AM	286.00	1.50	20.20	20.90	0.70	21.10	20.90	23.60	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:45 AM	281.00	1.50	19.90	24.80	4.90	26.00	24.80	24.50	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:00 AM	280.00	2.40	21.00	21.70	0.70	23.40	21.70	23.80	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:15 AM	188.00	2.40	23.80	23.40	0.00	23.40	21.40	23.80	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:30 AM	219.00	1.30	16.90	19.40	2.50	19.40	17.30	16.90	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:45 AM	260.00	3.00	14.90	14.30	0.00	14.30	15.80	14.90	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:00 AM	210.00	5.40	14.80	0.00	0.00	0.00	16.50	14.80	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:15 AM	207.00	5.90	16.00	16.10	0.10	16.10	16.70	16.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:30 AM	187.00	3.80	14.50	0.00	0.00	0.00	16.70	14.50	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:45 AM	200.00	4.30	14.40	14.70	0.30	14.70	15.60	14.40	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:00 AM	222.00	3.40	13.10	12.60	0.00	12.60	13.40	13.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:15 AM	199.00	5.70	12.60	12.40	0.00	12.40	13.60	12.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:30 AM	186.00	5.20	12.90	12.90	0.00	12.90	14.00	12.90	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:45 AM	205.00	4.00	13.10	13.30	0.20	13.30	14.10	13.10	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 12:00 PM	222.00	3.70	13.00	12.70	0.00	12.70	14.60	13.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 12:15 PM	238.00	4.50	12.70	12.50	0.00	12.50	13.50	12.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 12:30 PM	199.00	4.00	13.10	12.90	0.00	12.90	14.10	13.10	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 12:45 PM	207.00	3.60	12.70	12.70	0.00	12.70	13.70	12.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 1:00 PM	223.00	5.70	13.30	13.30	0.00	13.30	14.20	13.30	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 1:15 PM	237.00	5.40	12.90	13.00	0.10	13.00	14.60	12.90	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 1:30 PM	249.00	6.20	12.80	13.60	0.80	13.60	14.90	12.80	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 1:45 PM	229.00	4.20	12.40	13.00	0.60	13.00	14.20	12.40	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 2:00 PM	189.00	3.90	12.50	12.40	0.00	12.40	14.80	12.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 2:15 PM	228.00	5.40	11.20	11.90	0.70	11.90	14.00	11.20	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 2:30 PM	253.00	4.90	10.70	10.70	0.00	10.70	13.50	10.70	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 2:45 PM	227.00	4.50	10.80	10.70	0.00	10.70	13.70	10.80	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 3:00 PM	195.00	5.30	10.80	10.30	0.00	10.30	13.40	10.80	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 3:15 PM	194.00	5.90	11.40	0.00	0.00	0.00	13.60	11.40	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 3:30 PM	207.00	5.50	10.40	10.50	0.10	10.50	13.70	10.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 3:45 PM	187.00	5.10	11.00	10.90	0.00	10.90	14.20	11.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 4:00 PM	191.00	4.00	11.90	11.80	0.00	11.80	14.40	11.90	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 4:15 PM	201.00	7.00	12.50	12.10	0.00	12.10	14.50	12.50	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 4:30 PM	216.00	7.30	12.20	11.70	0.00	11.70	16.80	12.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 4:45 PM	219.00	7.90	11.20	10.90	0.00	10.90	14.00	11.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 5:00 PM	203.00	5.50	11.10	11.60	0.50	11.60	14.10	11.10	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 5:15 PM	184.00	5.70	10.60	10.60	0.00	10.60	13.60	10.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 5:30 PM	219.00	6.70	10.60	10.90	0.30	10.90	14.20	10.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 5:45 PM	213.00	6.30	10.90	10.50	0.00	10.50	14.50	10.90	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 6:00 PM	176.00	4.80	13.60	12.90	0.00	10.40	13.60	10.70	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 6:15 PM	190.00	7.10	11.30	10.40	0.00	10.40	13.70	11.30	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 6:30 PM	201.00	5.10	11.60	10.90	0.00	10.90	14.30	11.60	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 6:45 PM	228.00	7.00	12.10	11.60	0.00	11.60	14.90	12.10	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:00 PM	220.00	5.80	12.30	0.00	0.00	0.00	15.00	12.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:15 PM	177.00	5.90	15.10	13.90	0.00	12.00	15.10	13.40	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:30 PM	187.00	5.90	13.20	11.70	0.00	11.70	15.90	13.20	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 7:45 PM	198.00	3.90	16.00	0.00	0.00	0.00	16.80	16.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:00 PM	188.00	6.80	16.70	15.50	0.00	15.50	18.70	16.70	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:15 PM	183.00	5.40	15.60	15.20	0.00	15.20	17.80	15.60	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:30 PM	201.00	6.60	16.30	15.20	0.00	15.20	17.50	16.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 8:45 PM	193.00	5.60	16.40	15.80	0.00	15.80	17.80	16.40	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:00 PM	202.00	6.20	16.50	17.80	1.30	17.80	18.30	16.50	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:15 PM	164.00	5.00	20.60	17.60	0.00	18.30	20.60	20.80	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:30 PM	185.00	5.70	18.70	21.30	2.60	21.30	22.20	18.70	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 9:45 PM	201.00	10.20	17.90	18.00	0.10	18.00	20.50	17.90	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:00 PM	173.00	7.80	18.80	14.90	0.00	18.20	18.80	17.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:15 PM	178.00	6.40	19.00	14.80	0.00	18.20	19.00	15.80	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:30 PM	186.00	6.20	15.70	18.20	2.50	18.20	18.40	15.70	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 10:45 PM	201.00	6.00	16.70	20.50	3.80	20.50	18.40	16.70	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:00 PM	179.00	7.20	18.80	17.30	0.00	0.00	18.80	16.10	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:15 PM	222.00	6.40	16.80	18.70	1.90	18.70	20.70	16.80	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:30 PM	196.00	8.80	16.20	16.40	0.20	16.40	18.60	16.20	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/14 11:45 PM	226.00	6.80	17.90	15.50	0.00	15.50	19.10	17.90	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/14 12:00 AM	206.00	8.70	17.00	15.40	0.00	15.40	19.00	17.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/14 12:15 AM	195.00	6.80	19.10	16.50	0.00											



US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/28/14 9:45 AM	342.00	3.90	6.70	5.20	0.00	6.70	5.20	5.30	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:00 AM	331.00	4.60	10.60	6.70	0.00	8.90	6.70	7.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:15 AM	351.00	5.00	11.60	7.20	0.00	9.60	7.20	9.60	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:30 AM	3.00	8.20	10.30	11.20	0.90	10.30	7.60	11.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:45 AM	8.00	9.50	11.10	11.70	0.60	11.10	6.90	11.70	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:00 AM	5.00	10.00	11.00	12.40	1.40	11.00	6.70	12.40	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:15 AM	9.00	8.90	10.50	12.10	1.60	10.50	5.90	12.10	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:30 AM	2.00	9.30	9.30	11.00	1.70	9.30	5.30	11.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:45 AM	359.00	8.30	10.70	4.90	0.00	8.60	4.90	9.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 12:00 PM	3.00	9.20	8.10	8.50	0.40	8.10	4.50	8.50	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 12:15 PM	18.00	6.50	13.00	10.60	0.00	13.00	6.10	10.60	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 12:30 PM	29.00	5.00	10.50	11.50	1.00	10.50	6.30	11.50	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 12:45 PM	42.00	8.00	11.40	10.00	0.00	11.40	7.90	10.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 1:00 PM	34.00	7.70	12.00	11.30	0.00	12.00	7.50	11.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 1:15 PM	50.00	4.00	13.60	10.60	0.00	13.60	9.30	10.60	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 1:30 PM	91.00	4.30	8.30	12.30	4.00	14.40	8.30	10.60	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 1:45 PM	57.00	3.60	14.90	12.60	0.00	14.90	7.30	12.60	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 2:00 PM	94.00	2.10	11.60	13.50	1.90	12.20	11.60	19.20	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 2:15 PM	69.00	3.60	13.00	22.50	9.50	13.00	11.00	22.50	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 2:30 PM	60.00	3.10	16.90	20.20	3.30	16.90	11.70	20.20	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 2:45 PM	76.00	3.90	14.30	15.60	1.30	14.30	12.10	15.60	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 3:00 PM	75.00	3.30	0.00	20.30	0.00	0.00	20.10	20.30	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 3:15 PM	63.00	4.30	18.40	19.80	1.40	18.40	16.70	19.80	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 3:30 PM	77.00	2.40	19.80	23.30	3.50	19.80	16.00	23.30	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 3:45 PM	95.00	3.20	15.10	18.70	3.60	18.10	15.10	21.50	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 4:00 PM	138.00	3.90	16.90	22.90	6.00	0.00	16.90	23.40	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 4:15 PM	134.00	3.90	20.00	21.70	1.70	21.00	20.00	27.70	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 4:30 PM	79.00	4.40	20.50	32.30	11.80	20.50	22.30	32.30	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 4:45 PM	81.00	4.70	21.80	34.10	12.30	21.80	40.30	34.10	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 5:00 PM	86.00	5.60	43.80	84.80	41.00	43.80	36.10	84.80	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 5:15 PM	76.00	5.10	19.90	26.80	6.90	19.90	24.50	26.80	39.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 5:30 PM	85.00	5.30	19.20	28.80	9.60	19.20	27.10	28.80	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 5:45 PM	0.00	0.00	0.00	0.00	0.00	23.20	20.40	25.40	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 6:00 PM	71.00	6.50	19.20	23.70	4.50	19.20	27.60	23.70	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 6:15 PM	83.00	4.60	0.00	20.00	0.00	0.00	20.60	20.00	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 6:30 PM	86.00	3.60	27.10	21.60	0.00	27.10	21.10	21.60	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 6:45 PM	61.00	4.00	29.30	27.20	0.00	29.30	22.00	27.20	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 7:00 PM	61.00	4.80	25.80	24.70	0.00	25.80	19.00	24.70	46.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 7:15 PM	42.00	5.20	25.80	24.70	0.00	25.80	19.00	24.70	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 7:30 PM	57.00	8.30	19.90	23.10	3.20	19.90	19.80	23.10	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 7:45 PM	51.00	6.00	22.70	19.50	0.00	22.70	16.20	19.50	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 8:00 PM	47.00	6.40	22.40	34.60	12.20	22.40	28.70	34.60	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 8:15 PM	61.00	6.50	0.00	16.00	0.00	0.00	18.20	16.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 8:30 PM	54.00	6.10	15.20	16.00	0.80	15.20	17.90	16.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 8:45 PM	47.00	6.40	16.00	15.30	0.00	16.00	17.30	15.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 9:00 PM	64.00	5.30	13.20	15.40	2.20	13.20	15.60	15.40	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 9:15 PM	89.00	6.70	14.00	16.20	2.20	14.00	20.30	16.20	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 9:30 PM	98.00	3.90	16.80	11.10	0.00	15.30	16.80	16.90	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 9:45 PM	71.00	5.20	0.00	17.90	0.00	0.00	15.90	17.90	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:00 PM	91.00	7.10	28.50	12.50	0.00	19.10	28.50	20.80	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:15 PM	97.00	5.90	25.30	14.90	0.00	20.10	25.30	25.40	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:30 PM	88.00	6.60	20.90	25.60	4.70	20.90	22.50	25.60	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 10:45 PM	87.00	6.30	19.60	24.10	4.50	19.60	23.00	24.10	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:00 PM	109.00	5.10	23.80	18.40	0.00	20.50	23.80	29.70	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:15 PM	104.00	4.30	18.00	17.00	0.00	20.50	18.00	17.70	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:30 PM	91.00	5.60	17.50	19.30	1.80	18.10	17.50	19.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/14 11:45 PM	97.00	5.00	21.00	14.10	0.00	17.10	21.00	21.90	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:00 AM	89.00	3.90	20.60	18.20	0.00	20.60	18.30	18.20	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:15 AM	81.00	2.80	19.80	19.90	0.10	19.80	19.00	19.90	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:30 AM	80.00	3.70	0.00	21.60	0.00	0.00	24.30	21.60	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:45 AM	81.00	3.60	22.60	23.00	0.40	22.60	20.50	23.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:00 AM	141.00	1.70	20.50	16.00	0.00	19.40	20.50	17.90	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:15 AM	56.00	2.00	19.80	22.40	2.60	19.80	19.10	22.40	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:30 AM	343.00	2.30	22.00	18.30	0.00	0.00	18.30	23.50	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:45 AM	46.00	4.90	26.40	29.60	3.20	26.40	21.70	29.60	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:00 AM	50.00	5.50	22.50	31.60	9.10	22.50	26.50	31.60	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:15 AM	61.00	5.30	20.80	27.20	6.40	20.80	21.90	27.20	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:30 AM	36.00	5.20	0.00	27.00	0.00	0.00	20.90	27.00	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:45 AM	31.00	3.80	16.70	22.00	5.30	16.70	19.40	22.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/29/14 11:00 AM	36.00	6.50	24.00	16.60	0.00	24.00	18.00	16.60	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:15 AM	29.00	7.00	25.70	19.70	0.00	25.70	19.10	19.70	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:30 AM	15.00	8.80	26.30	19.10	0.00	26.30	18.20	19.10	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:45 AM	43.00	10.30	26.00	20.40	0.00	26.00	19.10	20.40	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:00 PM	30.00	11.90	24.20	14.30	0.00	24.20	17.30	14.30	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:15 PM	16.00	8.50	25.20	14.30	0.00	25.20	17.20	14.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:30 PM	26.00	8.10	25.20	13.90	0.00	25.20	17.70	13.90	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 12:45 PM	1.00	11.60	0.00	13.10	0.00	0.00	18.70	13.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:00 PM	24.00	8.70	25.10	14.70	0.00	25.10	18.80	14.70	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:15 PM	25.00	7.20	0.00	14.80	0.00	0.00	17.40	14.80	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:30 PM	9.00	8.90	26.70	15.10	0.00	26.70	17.80	15.10	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 1:45 PM	7.00	9.70	24.20	13.20	0.00	24.20	18.20	13.20	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:00 PM	28.00	9.20	22.70	13.00	0.00	22.70	19.10	13.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:15 PM	18.00	8.60	21.30	13.10	0.00	21.30	15.80	13.10	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:30 PM	14.00	9.80	21.80	12.90	0.00	21.80	15.70	12.90	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 2:45 PM	2.00	9.70	20.80	12.60	0.00	20.80	19.50	12.60	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 3:00 PM	7.00	9.00	19.70	12.00	0.00	19.70	16.10	12.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 3:15 PM	12.00	8.70	19.40	11.60	0.00	19.40	14.70	11.60	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 3:30 PM	25.00	10.20	18.60	10.70	0.00	18.60	14.30	10.70	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 3:45 PM	3.00	8.60	17.40	9.00	0.00	17.40	13.40	9.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 4:00 PM	17.00	9.30	15.40	8.50	0.00	15.40	16.90	8.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 4:15 PM	8.00	8.60	14.90	8.00	0.00	14.90	10.50	8.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 4:30 PM	7.00	9.20	14.90	7.90	0.00	14.90	11.10	7.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 4:45 PM	6.00	11.30	14.60	8.10	0.00	14.60	10.50	8.10	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 5:00 PM	3.00	9.70	14.90	8.20	0.00	14.90	11.00	8.20	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 5:15 PM	6.00	10.40	13.30	8.20	0.00	13.30	8.80	8.20	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 5:30 PM	14.00	10.10	12.90	8.70	0.00	12.90	8.80	8.70	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 5:45 PM	5.00	10.20	12.40	8.50	0.00	12.40	9.20	8.50	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 6:00 PM	9.00	8.70	11.90	8.80	0.00	11.90	8.70	8.80	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 6:15 PM	11.00	7.90	11.30	8.30	0.00	11.30	7.90	8.30	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 6:30 PM	2.00	8.90	11.00	7.50	0.00	11.00	7.70	7.50	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 6:45 PM	9.00	8.80	11.70	7.90	0.00	11.70	8.70	7.90	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 7:00 PM	5.00	7.40	12.40	7.90	0.00	12.40	9.30	7.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 7:15 PM	8.00	8.10	0.00	7.50	0.00	0.00	8.70	7.50	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 7:30 PM	4.00	7.20	9.20	6.20	0.00	9.20	7.10	6.20	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 7:45 PM	3.00	7.80	7.40	6.00	0.00	7.40	5.90	6.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 8:00 PM	8.00	6.60	7.30	5.00	0.00	7.30	5.50	5.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 8:15 PM	0.00	6.40	5.60	4.40	0.00	5.60	4.30	4.40	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 8:30 PM	358.00	7.00	2.70	3.40	0.70	3.60	3.40	2.80	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 8:45 PM	11.00	7.60	3.60	2.50	0.00	3.60	3.50	2.50	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 9:00 PM	11.00	5.70	4.00	2.30	0.00	4.00	3.40	2.30	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 9:15 PM	11.00	5.80	4.30	2.70	0.00	4.30	3.30	2.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 9:30 PM	5.00	7.00	3.70	2.70	0.00	3.70	3.30	2.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 9:45 PM	10.00	6.30	4.40	2.50	0.00	4.40	3.20	2.50	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 10:00 PM	359.00	6.20	2.10	3.10	1.00	4.20	3.10	2.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 10:15 PM	5.00	5.90	4.10	2.20	0.00	4.10	4.30	2.20	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 10:30 PM	3.00	6.20	4.00	2.10	0.00	4.00	2.80	2.10	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 10:45 PM	357.00	4.60	1.50	3.40	1.90	3.80	3.40	1.80	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:00 PM	359.00	5.00	1.40	2.60	1.20	3.80	2.60	1.70	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:15 PM	355.00	4.40	1.40	2.70	1.30	3.80	2.70	1.60	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:30 PM	2.00	6.70	4.00	0.80	0.00	4.00	2.90	0.80	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/14 11:45 PM	2.00	5.70	3.10	0.90	0.00	3.10	2.40	0.90	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 12:00 AM	8.00	4.50	3.10	0.80	0.00	3.10	2.40	0.80	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 12:15 AM	4.00	4.70	3.20	0.80	0.00	3.20	2.50	0.80	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 12:30 AM	345.00	2.80	2.70	2.60	0.00	3.20	2.60	0.90	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 12:45 AM	357.00	3.50	2.50	2.60	0.10	3.30	2.60	0.90	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:00 AM	359.00	4.60	3.00	2.50	0.00	3.40	2.50	1.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:15 AM	341.00	2.70	2.90	2.40	0.00	3.40	2.40	1.20	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:30 AM	351.00	3.10	2.80	2.60	0.00	3.40	2.60	1.20	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:45 AM	350.00	2.90	2.60	2.70	0.10	3.70	2.70	1.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:00 AM	356.00	2.50	2.60	2.50	0.00	0.00	2.50	1.40	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:15 AM	349.00	2.00	2.70	2.70	0.00	3.50	2.70	1.40	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:45 AM	345.00	2.10	2.70	2.50	0.00	3.80	2.50	1.50	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:00 AM	332.00	1.50	3.00	2.50	0.00	3.80	2.50	1.60	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:15 AM	288.00	1.70	3.20	2.70	0.00	3.90	2.70	1.80	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:30 AM	307.00	0.80	3.20	2.70	0.00	3.90	2.70	2.40	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:45 AM	241.00	0.70	2.60	3.70	1.10	3.70	2.80	2.60	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:00 AM	157.00	1.20	2.90	3.10	0.20	0.00	2.90	2.40	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:15 AM	271.00	1.30	3.70	5.30	1.60	3.50	5.30	4.80	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:30 AM	252.00	1.10	8.70	5.60	0.00	5.60	6.40	8.70	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:45 AM	271.00	1.50	8.60	7.10</												



US Army Corps
of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m³)							Naphthalene (µg/m³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/30/14 12:30 PM	270.00	2.10	16.60	15.70	0.00	13.00	15.70	12.50	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 12:45 PM	185.00	4.60	13.50	11.40	0.00	11.40	14.80	13.50	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:00 PM	225.00	3.00	13.20	11.20	0.00	11.20	12.90	13.20	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:15 PM	233.00	4.10	12.70	12.10	0.00	12.10	13.30	12.70	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:30 PM	181.00	3.70	11.90	12.10	0.20	12.10	11.80	11.90	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 1:45 PM	185.00	3.10	11.00	0.00	0.00	0.00	11.30	11.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:00 PM	185.00	4.30	9.50	9.60	0.10	9.60	10.10	9.50	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:15 PM	209.00	2.90	9.90	8.80	0.00	8.80	10.20	9.90	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:30 PM	248.00	4.20	8.90	8.80	0.00	8.80	9.40	8.90	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 2:45 PM	220.00	7.80	7.40	7.30	0.00	7.30	8.10	7.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:00 PM	238.00	4.50	10.20	8.90	0.00	8.90	9.80	10.20	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:15 PM	228.00	5.50	9.50	8.50	0.00	8.50	8.80	9.50	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:30 PM	206.00	4.20	7.10	8.10	1.00	8.10	6.90	7.10	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 3:45 PM	217.00	7.00	7.80	7.00	0.00	7.00	6.80	7.80	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:00 PM	195.00	5.00	8.00	7.30	0.00	7.30	7.80	8.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:15 PM	217.00	6.40	7.30	6.90	0.00	6.90	7.50	7.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:30 PM	216.00	6.40	8.20	6.50	0.00	6.50	7.00	8.20	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 4:45 PM	205.00	5.40	8.50	7.80	0.00	7.80	8.60	8.50	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 5:00 PM	201.00	5.20	7.40	6.90	0.00	6.90	6.50	7.40	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 5:15 PM	204.00	4.50	6.20	6.00	0.00	6.00	7.10	6.20	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 5:30 PM	207.00	3.70	6.80	6.00	0.00	6.00	7.20	6.80	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 5:45 PM	242.00	4.10	7.90	6.70	0.00	6.70	7.10	7.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 6:00 PM	206.00	5.20	7.00	6.40	0.00	6.40	7.50	7.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 6:15 PM	198.00	6.80	7.60	6.40	0.00	6.40	7.00	7.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 6:30 PM	203.00	6.10	8.80	7.90	0.00	7.90	8.00	8.80	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 6:45 PM	208.00	3.90	7.90	7.90	0.00	7.90	9.10	7.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 7:00 PM	206.00	4.50	7.20	8.80	1.60	8.80	9.70	7.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 7:15 PM	200.00	3.90	6.50	8.00	1.50	8.00	9.50	6.50	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 7:30 PM	208.00	3.70	6.90	7.90	1.00	7.90	9.50	6.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 7:45 PM	193.00	2.30	6.30	8.00	1.70	8.00	9.90	6.30	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 8:00 PM	198.00	3.40	7.20	7.60	0.40	7.60	9.70	7.20	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 8:15 PM	182.00	4.00	7.10	7.90	0.80	7.90	10.00	7.10	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 8:30 PM	186.00	3.00	7.80	8.10	0.30	8.10	10.40	7.80	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 8:45 PM	181.00	2.60	9.10	7.80	0.00	7.80	10.40	9.10	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 9:00 PM	172.00	2.90	12.30	6.70	0.00	7.70	12.30	11.90	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 9:15 PM	202.00	4.20	12.00	10.70	0.00	10.70	13.50	12.00	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 9:30 PM	187.00	4.00	16.70	10.80	0.00	10.80	16.10	16.70	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 9:45 PM	198.00	4.50	15.80	11.20	0.00	11.20	14.60	15.80	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 10:00 PM	202.00	3.90	18.30	13.80	0.00	13.80	19.50	18.30	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 10:15 PM	199.00	5.00	17.90	13.10	0.00	13.10	17.10	17.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 10:30 PM	207.00	4.40	18.70	13.90	0.00	13.90	17.90	18.70	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 10:45 PM	205.00	3.60	17.20	13.60	0.00	13.60	18.20	17.20	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 11:00 PM	203.00	4.10	15.40	0.00	0.00	0.00	17.20	15.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 11:15 PM	203.00	6.10	11.80	13.50	1.70	13.50	16.20	11.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 11:30 PM	203.00	3.60	11.50	13.50	2.00	13.50	15.70	11.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/30/14 11:45 PM	202.00	5.00	9.80	11.90	2.10	11.90	16.20	9.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 12:00 AM	210.00	5.60	10.20	11.40	1.20	11.40	14.60	10.20	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 12:15 AM	199.00	5.20	10.40	10.40	0.00	10.40	12.60	10.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 12:30 AM	189.00	5.60	9.40	10.40	1.00	10.40	13.00	9.40	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 12:45 AM	195.00	5.10	9.30	9.70	0.40	9.70	11.00	9.30	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 1:00 AM	197.00	8.70	10.00	9.80	0.00	9.80	11.40	10.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 1:15 AM	208.00	4.70	10.60	10.60	0.00	10.60	12.50	10.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 1:30 AM	217.00	5.80	11.20	10.00	0.00	10.00	11.50	11.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 1:45 AM	211.00	5.40	11.40	9.90	0.00	9.90	11.10	11.40	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:00 AM	216.00	4.40	11.80	0.00	0.00	0.00	12.10	11.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:15 AM	213.00	5.60	12.40	10.60	0.00	10.60	12.60	12.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:30 AM	217.00	4.20	12.70	10.60	0.00	10.60	12.30	12.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:45 AM	185.00	3.50	12.30	11.30	0.00	11.30	12.10	12.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:00 AM	211.00	3.60	12.00	10.80	0.00	10.80	11.90	12.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:15 AM	208.00	3.60	11.00	10.80	0.00	10.80	12.00	11.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:30 AM	189.00	4.30	11.20	11.40	0.20	11.40	13.80	11.20	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:45 AM	204.00	4.00	11.50	11.20	0.00	11.20	12.40	11.50	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:00 AM	203.00	4.20	11.30	11.20	0.00	11.20	11.50	11.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:15 AM	192.00	3.00	10.90	10.80	0.00	10.80	11.80	10.90	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:30 AM	218.00	3.00	12.40	10.80	0.00	10.80	11.70	12.40	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:45 AM	190.00	3.50	12.40	11.60	0.00	11.60	12.20	12.40	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:00 AM	215.00	2.80	13.40	12.00	0.00	12.00	13.00	13.40	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:15 AM	209.00	3.60	13.60	12.90	0.00	12.90	14.40	13.60	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:30 AM	193.00	2.40	12.40	13.10	0.70	13.10	13.40	12.40	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:45 AM	199.00	3.70	10.60	12.80	2.20	12.80	13.60	10.								



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
March 2014

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/31/14 1:45 PM	160.00	10.50	19.70	35.30	15.60	18.70	19.70	9.80	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:00 PM	186.00	7.30	11.10	14.20	3.10	14.20	16.90	11.10	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:15 PM	192.00	10.00	11.10	0.00	0.00	0.00	18.60	11.10	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:30 PM	177.00	6.90	19.40	86.30	66.90	14.40	19.40	14.50	86.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 2:45 PM	172.00	10.50	16.90	145.10	128.20	13.20	16.90	13.30	145.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:00 PM	162.00	8.40	16.00	31.50	15.50	12.40	16.00	11.30	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:15 PM	182.00	11.90	11.00	12.80	1.80	12.80	23.60	11.00	66.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:30 PM	184.00	7.20	10.40	12.40	2.00	12.40	19.10	10.40	52.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 3:45 PM	191.00	11.60	12.80	15.50	2.70	15.50	28.20	12.80	78.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:00 PM	184.00	7.60	13.20	0.00	0.00	0.00	15.10	13.20	50.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:15 PM	177.00	7.60	38.00	50.50	12.50	11.80	38.00	16.30	50.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:30 PM	189.00	9.50	12.60	11.40	0.00	11.40	18.90	12.60	125.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 4:45 PM	171.00	11.10	17.70	98.20	80.50	16.30	17.70	12.00	98.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:00 PM	182.00	5.10	12.60	0.00	0.00	0.00	17.70	12.60	399.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:15 PM	170.00	7.30	18.30	19.90	1.60	8.70	18.30	10.60	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:30 PM	166.00	8.60	27.40	21.50	0.00	11.50	27.40	15.70	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 5:45 PM	180.00	7.20	9.40	8.10	0.00	8.10	28.70	9.40	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 6:00 PM	203.00	10.60	8.40	5.80	0.00	5.80	12.20	8.40	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 6:15 PM	193.00	7.30	7.90	5.50	0.00	5.50	20.40	7.90	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 6:30 PM	172.00	7.20	13.80	18.10	4.30	7.60	13.80	7.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 6:45 PM	189.00	5.50	10.30	9.20	0.00	9.20	29.80	10.30	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 7:00 PM	169.00	6.30	40.30	20.10	0.00	7.30	40.30	11.10	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 7:15 PM	167.00	7.60	25.40	16.10	0.00	7.50	25.40	11.50	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 7:30 PM	176.00	6.80	16.50	17.50	1.00	7.10	16.50	11.60	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 7:45 PM	198.00	7.80	10.90	7.80	0.00	7.80	16.10	10.90	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 8:00 PM	191.00	8.10	17.20	11.60	0.00	11.60	22.50	17.20	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 8:15 PM	188.00	6.00	13.20	11.60	0.00	11.60	19.50	13.20	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 8:30 PM	200.00	9.00	9.30	7.70	0.00	7.70	12.50	9.30	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 8:45 PM	193.00	6.20	9.30	6.10	0.00	6.10	12.20	9.30	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 9:00 PM	187.00	4.70	9.10	5.50	0.00	5.50	9.40	9.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 9:15 PM	182.00	6.00	11.50	7.80	0.00	7.80	13.30	11.50	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 9:30 PM	195.00	6.50	11.10	9.00	0.00	9.00	18.10	11.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 9:45 PM	170.00	6.50	14.60	20.70	6.10	8.90	14.60	13.30	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 10:00 PM	163.00	8.30	15.70	21.40	5.70	9.10	15.70	14.90	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 10:15 PM	169.00	5.80	16.50	18.20	1.70	9.60	16.50	13.10	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 10:30 PM	167.00	8.20	20.40	18.80	0.00	9.80	20.40	10.30	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 10:45 PM	187.00	9.10	8.20	9.60	1.40	9.60	15.30	8.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 11:00 PM	171.00	9.60	14.40	15.20	0.80	8.80	14.40	7.90	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 11:15 PM	169.00	5.00	17.30	17.30	0.00	9.60	17.30	8.40	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 11:30 PM	183.00	4.60	13.20	13.40	0.20	13.40	29.30	13.20	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/14 11:45 PM	187.00	9.80	10.40	9.00	0.00	9.00	17.30	10.40	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00