US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/1/15 12:00 AM	352.00	4.40	0.20	2.00	1.80	-0.10	2.00	0.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:15 AM	352.00	4.40	0.30	2.20	1.90	0.00	2.20	0.50	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:30 AM	18.00	6.90	-0.20	0.50	0.70	-0.20	1.60	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:45 AM	357.00	3.50	0.20	1.80	1.60	0.10	1.80	0.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:00 AM	341.00	2.90	0.10	1.70	1.60	0.00	1.70	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:15 AM	341.00	2.20	0.20	2.50	2.30	0.00	2.50	0.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:30 AM	355.00	3.20	0.20	2.80	2.60	2.50	2.80	0.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:45 AM	345.00	2.50	0.10	3.10	3.00	3.00	3.10	0.40	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:00 AM	342.00	3.40	0.10	1.60	1.50	-0.20	1.60	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:15 AM	316.00	2.40	0.10	1.70	1.60	-0.20	1.70	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:30 AM	326.00	2.70	0.20	2.00	1.80	-0.20	2.00	0.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:45 AM	310.00	2.70	0.10	1.70	1.60	-0.10	1.70	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:00 AM	288.00	2.20	0.10	2.00	1.90	-0.10	2.00	0.70	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:15 AM	296.00	2.70	0.30	2.00	1.70	-0.10	2.00	0.80	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:30 AM	296.00	2.20	0.30	3.00	2.70	0.00	3.00	2.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:45 AM	299.00	2.30	0.70	9.70	9.00	0.00	9.70	1.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:00 AM	298.00	3.20	0.50	3.70	3.20	0.20	3.70	1.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:15 AM	293.00	3.10	2.90	14.80	11.90	3.10	14.80	3.70	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:30 AM	311.00	2.30	3.10	18.50	15.40	3.00	18.50	4.80	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:45 AM	321.00	1.70	3.30	17.80	14.50	3.20	17.80	4.90	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:00 AM	331.00	1.80	3.30	18.80	15.50	3.20	18.80	4.90	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:15 AM	350.00	3.60	4.10	17.10	13.00	3.60	17.10	4.70	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:30 AM	355.00	5.70	4.20	17.60	13.40	0.00	17.60	4.90	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:45 AM	352.00	5.40	3.80	18.00	14.20	3.50	18.00	5.40	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:00 AM	354.00	5.00	2.50	13.30	10.80	1.40	13.30	5.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:15 AM	351.00	4.80	1.80	12.30	10.50	1.40	12.30	5.70	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:30 AM	347.00	5.30	0.70	3.60	2.90	0.20	3.60	4.20	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:45 AM	344.00	3.50	0.70	3.40	2.70	0.20	3.40	1.20	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:00 AM	309.00	3.50	0.70	3.40	2.70	0.10	3.40	1.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:15 AM	348.00	4.60	0.80	3.10	2.30	0.10	3.10	1.50	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:30 AM	356.00	6.10	0.70	3.60	2.90	0.10	3.60	1.50	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:45 AM	351.00	6.40	1.00	3.50	2.50	0.20	3.50	5.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:00 AM	356.00	5.90	4.90	16.10	11.20	0.40	16.10	7.80	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:15 AM	348.00	5.60	1.20	6.90	5.70	0.40	6.90	7.10	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:30 AM	349.00	6.50	1.50	4.40	2.90	1.60	4.40	2.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:45 AM	353.00	6.30	1.60	4.60	3.00	0.50	4.60	2.10	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:00 AM	355.00	6.20	1.50	4.00	2.50	0.60	4.00	2.10	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:15 AM	351.00	5.20	1.70	4.30	2.60	0.50	4.30	2.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:30 AM	351.00	4.60	1.90	4.40	2.50	0.50	4.40	2.00	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:45 AM	20.00	4.90	0.60	1.90	1.30	0.60	4.30	1.90	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:00 AM	10.00	4.60	1.00	1.70	0.70	1.00	4.30	1.70	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:15 AM	41.00	5.90	3.80	1.70	0.00	3.80	4.40	1.70	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:30 AM	26.00	5.80	3.30	1.40	0.00	3.30	6.90	1.40	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:45 AM	25.00	5.20	3.30	1.20	0.00	3.30	5.20	1.20	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:00 AM	40.00	6.20	1.10	1.60	0.50	1.10	8.60	1.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:15 AM	49.00	5.00	1.10	1.60	0.50	1.10	11.80	1.60	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:30 AM	36.00	2.90	0.00	3.60	0.00	0.00	9.00	3.60	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:45 AM	32.00	4.60	1.30	6.90	5.60	1.30	7.90	6.90	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:00 PM	32.00	4.60	0.00	6.10	0.00	0.00	17.20	6.10	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:15 PM	48.00	4.30	0.70	4.00	3.30	0.70	10.80	4.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:30 PM	42.00	4.90	2.10	4.00	1.90	2.10	20.20	4.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 12:45 PM	31.00	4.30	1.60	6.00	4.40	1.60	96.80	6.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:00 PM	29.00	4.50	1.30	8.20	6.90	1.30	15.20	8.20	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:15 PM	33.00	4.90	6.50	8.10	1.60	6.50	16.40	8.10	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:30 PM	28.00	5.50	2.50	5.70	3.20	2.50	10.50	5.70	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 1:45 PM	37.00	4.90	3.10	6.20	3.10	3.10	23.90	6.20	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:00 PM	27.00	5.40	3.40	5.80	2.40	3.40	23.20	5.80	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:15 PM	27.00	5.10	5.30	9.90	4.60	5.30	31.40	9.90	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:30 PM	35.00	4.30	5.20	10.40	5.20	5.20	29.10	10.40	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 2:45 PM	56.00	3.30	3.40	7.70	4.30	3.40	94.60	7.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:00 PM	70.00	3.40	4.10	9.10	5.00	4.10	21.60	9.10	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:15 PM	49.00	3.40	0.00	7.10	0.00	0.00	16.90	7.10	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:30 PM	58.00	3.80	3.30	8.70	5.40	3.30	46.70	8.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 3:45 PM	124.00	3.60	33.50	13.20	0.00	7.00	33.50	13.70	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:00 PM	78.00	3.00	3.20	10.60	7.40	3.20	34.50	10.60	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:15 PM	110.00	2.90	27.10	13.00	0.00	7.50	27.10	10.60	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:30 PM	118.00	3.30	38.70	20.10	0.00	5.10	38.70	18.50	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 4:45 PM	67.00	3.80	11.20	36.30	25.10	11.20	44.10	36.30	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:00 PM	110.00	3.30	24.00	19.60	0.00	6.80	24.00	20.70	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:15 PM	84.00	2.00	6.40	28.50	22.10	6.40	52.00	28.50	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:30 PM	85.00	2.90	6.10	28.30	22.20	6.10	97.40	28.30	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 5:45 PM	84.00	3.60	6.40	30.00	23.60	6.40	29.40	30.00	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:00 PM	116.00	3.40	71.00	26.10	0.00	8.20	71.00	40.90	26.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:15 PM	114.00	3.70	22.40	12.10	0.00	0.00	22.40	23.40	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:30 PM	91.00	2.20	14.40	17.30	2.90	8.10	14.40	16.90	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 6:45 PM	111.00	2.90	13.40	11.10	0.00	0.00	13.40	8.70	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:00 PM	117.00	2.60	37.30	28.80	0.00	7.10	37.30	7.40	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:15 PM	73.00	2.90	3.10	8.40	5.30	3.10	24.50	8.40	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:30 PM	101.00	2.20	22.50	9.60	0.00	2.80	22.50	6.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 7:45 PM	99.00	2.30	16.30	9.80	0.00	2.30	16.30	10.90	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:00 PM	110.00	2.50	10.30	10.40	0.10	11.10	10.30	16.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:15 PM	142.00	2.30	20.10	5.20	0.00	2.40	20.10	12.80	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:30 PM	165.00	1.60	95.40	18.00	0.00	0.00	95.40	18.60	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 8:45 PM	130.00	1.10	25.80	7.50	0.00	2.40	25.80	80.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:00 PM	142.00	1.70	19.40	6.20	0.00	0.00	19.40	23.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:15 PM	131.00	0.60	17.90	9.90	0.00	7.40	17.90	17.30	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:30 PM	146.00	0.70	27.40	18.80	0.00	0.00	27.40	26.90	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 9:45 PM	158.00	1.00	27.60	18.30	0.00	16.80	27.60	27.20	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:00 PM	222.00	0.90	32.10	18.60	0.00	18.60	28.60	32.10	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:15 PM	178.00	0.90	31.30	14.80	0.00	40.70	31.30	28.50	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:30 PM	213.00	1.30	32.30	34.20	1.90	34.20	37.40	32.30	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 10:45 PM	226.00	1.20	45.10	32.40	0.00	32.40	45.20	45.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:00 PM	190.00	0.90	46.50	29.80	0.00	29.80	47.10	46.50	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:15 PM	222.00	0.80	46.10	36.50	0.00	36.50	57.60	46.10	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:30 PM	210.00	0.70	41.40	37.90	0.00	37.90	57.20	41.40	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/1/15 11:45 PM	190.00	1.20	58.30	32.00	0.00	32.00	57.20	58.30	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:00 AM	201.00	0.70	92.80	33.60	0.00	33.60	82.90	92.80	49.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:15 AM	197.00	0.90	91.30	58.70	0.00	58.70	137.30	91.30	45.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:30 AM	227.00	0.40	55.00	58.50	3.50	58.50	87.70	55.00	42.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:45 AM	212.00	1.70	57.50	44.40	0.00	44.40	61.30	57.50	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:00 AM	190.00	1.20	51.80	43.40	0.00	43.40	49.80	51.80	34.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Real-Time Air Monitoring Data
May 2015

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
5/2/15 1:15 AM	196.00	1.70	55.00	39.70	0.00	39.70	43.50	55.00	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:30 AM	190.00	1.50	48.40	38.40	0.00	38.40	46.20	48.40	31.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:45 AM	186.00	1.90	49.50	36.70	0.00	36.70	46.10	49.50	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:00 AM	252.00	2.60	46.40	34.90	0.00	34.90	42.80	46.40	33.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:15 AM	219.00	1.60	46.60	36.10	0.00	36.10	40.40	46.60	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:30 AM	220.00	1.50	42.80	34.50	0.00	34.50	40.20	42.80	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:45 AM	216.00	1.60	33.20	33.40	0.20	33.40	36.20	33.20	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:00 AM	220.00	1.90	41.40	32.40	0.00	32.40	31.90	41.40	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:15 AM	210.00	1.90	38.60	35.60	0.00	35.60	41.90	38.60	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:30 AM	215.00	1.80	35.40	35.60	0.20	35.60	40.20	35.40	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:45 AM	209.00	1.70	31.70	35.60	3.90	35.60	40.20	31.70	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:00 AM	210.00	1.70	30.40	29.50	0.00	29.50	32.10	30.40	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:15 AM	217.00	1.90	28.40	27.60	0.00	27.60	28.50	28.40	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:30 AM	209.00	1.60	27.50	27.90	0.40	27.90	27.10	27.50	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:45 AM	213.00	1.70	24.60	24.80	0.20	24.80	25.50	24.60	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:00 AM	211.00	1.40	24.50	22.00	0.00	22.00	24.90	24.50	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:15 AM	213.00	1.20	22.10	21.20	0.00	21.20	23.60	22.10	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:30 AM	207.00	1.30	22.60	23.70	1.10	23.70	34.10	22.60	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:45 AM	201.00	1.30	23.50	24.30	0.80	24.30	22.00	23.50	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:00 AM	201.00	1.50	24.20	23.10	0.00	23.10	24.10	24.20	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:15 AM	190.00	1.60	29.10	27.40	0.00	27.40	27.50	29.10	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:30 AM	192.00	1.50	30.20	28.40	0.00	28.40	28.20	30.20	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:45 AM	214.00	1.80	35.60	30.50	0.00	30.50	28.40	35.60	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:00 AM	193.00	2.00	33.80	0.00	0.00	0.00	31.00	33.80	34.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:15 AM	205.00	1.80	32.50	0.00	0.00	0.00	30.30	32.50	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:30 AM	207.00	2.30	32.00	59.20	27.20	59.20	66.20	32.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:45 AM	216.00	1.60	33.00	36.20	3.20	36.20	37.30	33.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:00 AM	241.00	1.70	36.00	36.20	0.20	36.20	37.20	36.00	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:15 AM	225.00	2.90	34.70	34.70	0.00	34.70	35.40	34.70	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:30 AM	236.00	2.60	34.50	33.50	0.00	33.50	35.00	34.50	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:45 AM	230.00	2.90	32.60	32.20	0.00	32.20	31.10	32.60	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:00 AM	216.00	2.60	29.40	28.00	0.00	28.00	28.90	29.40	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:15 AM	208.00	3.60	22.80	23.80	1.00	23.80	24.80	22.80	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:30 AM	237.00	4.80	20.60	23.90	3.30	23.90	24.40	20.60	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:45 AM	238.00	4.80	18.70	22.80	4.10	22.80	24.10	18.70	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:00 AM	208.00	2.70	15.20	19.50	4.30	19.50	17.40	15.20	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:15 AM	190.00	5.00	13.90	18.30	4.40	18.30	16.70	13.90	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:30 AM	204.00	4.00	10.90	14.70	3.80	14.70	14.70	10.90	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:45 AM	205.00	4.10	8.90	13.50	4.60	13.50	12.90	8.90	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:00 AM	283.00	3.70	9.40	12.90	3.50	13.60	12.90	9.20	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:15 AM	237.00	4.20	8.20	14.30	6.10	14.30	11.20	8.20	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:30 AM	227.00	4.10	8.30	13.40	5.10	13.40	10.50	8.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:45 AM	219.00	4.90	6.40	11.40	5.00	11.40	9.20	6.40	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:00 PM	237.00	4.30	7.00	12.20	5.20	12.20	10.20	7.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:15 PM	228.00	3.40	7.40	15.10	7.70	15.10	10.50	7.40	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:30 PM	218.00	3.20	6.70	15.30	8.60	15.30	9.50	6.70	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 12:45 PM	202.00	5.50	6.70	15.70	9.00	15.70	9.70	6.70	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:00 PM	213.00	4.60	6.30	14.20	7.90	14.20	10.90	6.30	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:15 PM	247.00	5.20	6.10	13.20	7.10	13.20	9.90	6.10	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:30 PM	240.00	5.60	6.90	13.40	6.50	13.40	9.90	6.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 1:45 PM	260.00	2.70	6.00	14.50	8.50	14.50	10.10	6.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:00 PM	239.00	5.00	5.90	12.70	6.80	12.70	8.50	5.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:15 PM	241.00	4.40	6.00	13.60	7.60	13.60	9.20	6.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:30 PM	236.00	4.30	6.10	13.10	7.00	13.10	11.40	6.10	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 2:45 PM	258.00	4.80	6.30	13.70	7.40	13.70	10.10	6.30	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:00 PM	238.00	4.60	6.90	14.70	7.80	14.70	11.10	6.90	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:15 PM	246.00	7.20	6.90	14.90	8.00	14.90	11.80	6.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:30 PM	242.00	6.10	6.60	13.40	6.80	13.40	9.90	6.60	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 3:45 PM	227.00	2.50	7.40	13.40	6.00	13.40	9.80	7.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:00 PM	250.00	2.30	6.70	14.50	7.80	14.50	10.10	6.70	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:15 PM	225.00	5.90	8.40	14.20	5.80	14.20	10.90	8.40	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:30 PM	194.00	6.80	7.90	14.70	6.80	14.70	13.20	7.90	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 4:45 PM	302.00	1.30	11.00	11.60	0.60	14.40	11.60	8.20	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:00 PM	237.00	5.60	9.80	15.70	5.90	15.70	14.50	9.80	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:15 PM	236.00	4.10	7.70	13.90	6.20	13.90	11.50	7.70	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:30 PM	244.00	4.80	8.10	15.10	7.00	15.10	11.20	8.10	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 5:45 PM	204.00	5.50	7.40	15.30	7.90	15.30	9.90	7.40	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:00 PM	228.00	4.50	9.10	18.30	9.20	18.30	11.50	9.10	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:15 PM	240.00	6.10	9.20	15.40	6.20	15.40	12.00	9.20	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:30 PM	232.00	4.10	9.10	15.30	6.20	15.30	12.50	9.10	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 6:45 PM	233.00	3.60	10.20	15.20	5.00	15.20	12.70	10.20	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:00 PM	215.00	3.40	10.40	0.00	0.00	0.00	12.70	10.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:15 PM	223.00	2.20	11.60	16.80	5.20	16.80	19.60	11.60	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:30 PM	217.00	2.20	10.70	15.60	4.90	15.60	14.30	10.70	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 7:45 PM	229.00	4.60	10.30	15.90	5.60	15.90	21.00	10.30	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:00 PM	213.00	2.10	11.30	0.00	0.00	0.00	18.50	11.30	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:15 PM	190.00	1.80	10.80	15.30	4.50	15.30	55.10	10.80	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:30 PM	192.00	2.00	11.70	0.00	0.00	0.00	16.50	11.70	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 8:45 PM	178.00	1.60	15.10	14.80	0.00	17.00	15.10	13.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:00 PM	184.00	2.10	16.00	18.70	2.70	18.70	15.70	16.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:15 PM	187.00	2.10	14.60	19.30	4.70	19.30	16.40	14.60	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:30 PM	179.00	2.70	18.70	25.00	6.30	21.70	18.70	18.10	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 9:45 PM	189.00	2.40	16.40	19.60	3.20	19.60	25.50	16.40	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:00 PM	183.00	3.10	25.20	37.60	12.40	37.60	38.00	25.20	66.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:15 PM	196.00	3.10	30.50	0.00	0.00	0.00	38.00	30.50	33.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:30 PM	187.00	2.90	31.50	36.70	5.20	36.70	34.00	31.50	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 10:45 PM	187.00	2.90	32.30	38.50	6.20	38.50	34.90	32.30	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:00 PM	198.00	3.40	32.00	38.40	6.40	38.40	36.50	32.00	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:15 PM	199.00	2.40	33.90	38.50	4.60	38.50	34.90	33.90	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:30 PM	186.00	3.10	32.00	35.10	3.10	35.10	33.00	32.00	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/2/15 11:45 PM	195.00	3.20	37.60	37.80	0.20	37.80	38.10	37.60	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:00 AM	194.00	3.00	33.60	34.30	0.70	34.30	51.30	33.60	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:15 AM	194.00	3.20	34.10	33.60	0.00	33.60	39.40	34.10	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:30 AM	201.00	3.90	34.50	33.60	0.00	33.60	33.30	34.50	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:45 AM	196.00	3.30	35.00	29.50	0.00	29.50	33.80	35.00	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:00 AM	192.00	3.10	33.20	30.30	0.00	30.30	34.70	33.20	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:15 AM	203.00	3.10	32.00	0.00	0.00	0.00	34.30	32.00	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:30 AM	205.00	2.90	32.90	32.10	0.00	32.10	33.00	32.90	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:45 AM	193.00	2.40	34.30	35.40	1.10	35.40	32.40	34.30	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:00 AM	193.00	2.60	35.10	36.00	0.90	36.00	32.80	35.10	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:15 AM	198.00	3.00	33.80	34.80	1.00	34.80	32.80	33.80	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/3/15 2:30 AM	196.00	2.70	33.00	33.40	0.40	33.40	33.60	33.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:45 AM	198.00	2.70	34.40	0.00	0.00	0.00	33.50	34.40	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:00 AM	198.00	2.90	36.10	33.70	0.00	33.70	34.30	36.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:15 AM	196.00	4.00	33.50	31.40	0.00	31.40	31.30	33.50	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:30 AM	195.00	3.80	31.50	29.00	0.00	29.00	31.30	31.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:45 AM	198.00	3.60	32.50	29.60	0.00	29.60	30.30	32.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:00 AM	191.00	4.40	30.20	25.40	0.00	25.40	28.20	30.20	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:15 AM	203.00	3.80	29.40	25.30	0.00	25.30	28.00	29.40	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:30 AM	195.00	3.30	28.70	23.60	0.00	23.60	27.30	28.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:45 AM	194.00	4.00	29.10	23.60	0.00	23.60	26.20	29.10	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:00 AM	200.00	3.20	28.70	23.70	0.00	23.70	24.90	28.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:15 AM	202.00	3.90	28.70	22.80	0.00	22.80	24.10	28.70	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:30 AM	194.00	3.60	27.00	22.30	0.00	22.30	24.70	27.00	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:45 AM	207.00	2.60	28.70	21.70	0.00	21.70	23.40	28.70	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:00 AM	209.00	3.10	26.20	21.90	0.00	21.90	23.00	26.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:15 AM	206.00	2.80	26.00	21.20	0.00	21.20	22.90	26.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:30 AM	184.00	2.70	25.10	20.90	0.00	20.90	22.50	25.10	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:45 AM	188.00	2.90	25.60	20.70	0.00	20.70	23.80	25.60	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:00 AM	182.00	3.70	26.60	20.40	0.00	20.40	23.40	26.60	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:15 AM	185.00	1.80	27.10	20.60	0.00	20.60	33.00	27.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:30 AM	175.00	3.50	34.80	14.30	0.00	22.10	34.80	27.40	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:45 AM	191.00	4.30	27.80	22.10	0.00	22.10	26.80	27.80	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:00 AM	198.00	3.60	28.30	22.80	0.00	22.80	41.90	28.30	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:15 AM	183.00	4.00	28.00	23.20	0.00	23.20	25.10	28.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:30 AM	191.00	5.00	29.30	23.30	0.00	23.30	26.00	29.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:45 AM	200.00	4.90	27.30	22.30	0.00	22.30	25.30	27.30	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:00 AM	202.00	5.30	26.30	23.80	0.00	23.80	24.60	26.30	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:15 AM	182.00	6.60	26.90	23.50	0.00	23.50	23.90	26.90	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:30 AM	199.00	5.30	26.00	24.50	0.00	24.50	24.20	26.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:45 AM	200.00	4.70	27.20	25.20	0.00	25.20	25.80	27.20	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:00 AM	222.00	7.10	25.90	24.80	0.00	24.80	24.10	25.90	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:15 AM	198.00	6.50	25.00	0.00	0.00	0.00	23.00	25.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:30 AM	202.00	5.90	23.00	25.10	2.10	25.10	22.10	23.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:45 AM	186.00	5.50	21.70	23.40	1.70	23.40	21.30	21.70	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:00 AM	209.00	6.80	29.50	25.20	0.00	25.20	22.80	29.50	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:15 AM	211.00	8.30	23.50	23.80	0.30	23.80	22.40	23.50	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:30 AM	188.00	6.50	24.60	26.40	1.80	26.40	24.00	24.60	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:45 AM	215.00	6.80	22.40	23.60	1.20	23.60	23.20	22.40	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:00 PM	194.00	8.30	21.80	22.30	0.50	22.30	20.40	21.80	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:15 PM	223.00	8.40	18.60	25.70	7.10	25.70	22.20	18.60	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:30 PM	207.00	5.70	19.20	21.50	2.30	21.50	18.80	19.20	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 12:45 PM	195.00	7.50	19.40	23.60	4.20	23.60	21.20	19.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:00 PM	213.00	7.40	18.80	24.30	5.50	24.30	20.00	18.80	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:15 PM	192.00	6.20	21.60	27.10	5.50	27.10	22.00	21.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:30 PM	188.00	8.80	19.20	26.50	7.30	26.50	24.30	19.20	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 1:45 PM	225.00	5.50	19.90	24.00	4.10	24.00	20.00	19.90	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:00 PM	197.00	7.40	20.50	26.60	6.10	26.60	21.50	20.50	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:15 PM	205.00	5.60	18.20	0.00	0.00	0.00	17.90	18.20	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:30 PM	211.00	5.90	17.60	23.90	6.30	23.90	19.80	17.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 2:45 PM	197.00	5.00	17.70	22.70	5.00	22.70	21.50	17.70	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:00 PM	183.00	5.50	16.70	22.40	5.70	22.40	21.00	16.70	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:15 PM	182.00	5.30	16.80	21.40	4.60	21.40	20.40	16.80	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:30 PM	173.00	6.30	23.90	15.90	0.00	20.70	23.90	17.30	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 3:45 PM	169.00	4.80	35.10	16.30	0.00	20.60	35.10	17.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:00 PM	176.00	4.60	20.50	14.70	0.00	21.20	20.50	18.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:15 PM	186.00	4.90	18.30	21.10	2.80	21.10	20.70	18.30	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:30 PM	191.00	6.60	21.40	25.30	3.90	25.30	23.30	21.40	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 4:45 PM	201.00	5.50	20.30	23.00	2.70	23.00	23.60	20.30	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:00 PM	208.00	7.70	20.30	0.00	0.00	0.00	23.10	20.30	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:15 PM	219.00	7.10	21.10	0.00	0.00	0.00	22.00	21.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:30 PM	210.00	7.70	19.80	25.00	5.20	25.00	23.10	19.80	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 5:45 PM	194.00	7.60	20.70	24.10	3.40	24.10	22.20	20.70	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:00 PM	197.00	4.80	20.90	26.40	5.50	26.40	29.40	20.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:15 PM	184.00	3.20	23.10	0.00	0.00	0.00	35.30	23.10	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:30 PM	195.00	4.10	23.90	28.20	4.30	28.20	24.90	23.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 6:45 PM	193.00	4.30	21.40	27.60	6.20	27.60	26.80	21.40	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:00 PM	202.00	4.20	63.60	26.90	0.00	26.90	22.10	63.60	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:15 PM	197.00	2.10	19.80	24.00	4.20	24.00	22.30	19.80	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:30 PM	193.00	2.00	19.00	24.80	5.80	24.80	22.10	19.00	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 7:45 PM	157.00	0.40	25.40	17.70	0.00	25.90	25.40	20.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:00 PM	39.00	4.10	28.80	20.00	0.00	28.80	26.40	20.00	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:15 PM	32.00	5.60	30.10	25.10	0.00	30.10	27.70	25.10	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:30 PM	41.00	4.30	29.00	25.10	0.00	29.00	27.80	25.10	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 8:45 PM	29.00	2.30	0.00	29.60	0.00	0.00	28.40	29.60	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:00 PM	348.00	2.80	17.70	29.80	12.10	27.50	29.80	37.90	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:15 PM	344.00	1.90	32.20	60.20	28.00	54.50	60.20	79.60	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:30 PM	261.00	0.70	85.70	55.60	0.00	55.60	73.10	85.70	35.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 9:45 PM	75.00	2.40	62.70	94.10	31.40	62.70	83.30	94.10	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:00 PM	130.00	3.30	87.40	27.00	0.00	52.40	87.40	92.90	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:15 PM	172.00	2.50	80.80	27.20	0.00	48.60	80.80	94.40	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:30 PM	185.00	1.40	96.30	49.90	0.00	49.90	84.90	96.30	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 10:45 PM	163.00	1.90	92.20	26.70	0.00	49.80	92.20	105.90	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:00 PM	165.00	2.20	63.80	29.20	0.00	55.40	63.80	110.70	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:15 PM	172.00	3.50	56.10	14.90	0.00	27.70	56.10	54.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:30 PM	190.00	3.90	49.90	37.60	0.00	37.60	49.20	49.90	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/3/15 11:45 PM	186.00	4.80	46.60	38.20	0.00	38.20	52.90	46.60	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:00 AM	187.00	5.40	49.50	40.30	0.00	40.30	52.60	49.50	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:15 AM	196.00	4.80	40.50	41.30	0.80	41.30	50.20	40.50	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:30 AM	202.00	4.80	32.40	35.00	2.60	35.00	45.80	32.40	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:45 AM	197.00	4.90	24.30	27.20	2.90	27.20	35.30	24.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:00 AM	197.00	5.30	21.20	24.20	3.00	24.20	28.20	21.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:15 AM	199.00	5.10	17.80	21.00	3.20	21.00	25.60	17.80	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:30 AM	198.00	5.90	18.00	21.10	3.10	21.10	24.30	18.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:45 AM	188.00	5.40	17.00	19.30	2.30	19.30	24.40	17.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:00 AM	200.00	5.20	16.60	22.10	5.50	22.10	23.90	16.60	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:15 AM	204.00	4.60	16.70	20.60	3.90	20.60	23.50	16.70	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:30 AM	198.00	5.20	16.10	21.00	4.90	21.00	24.00	16.10	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:45 AM	195.00	4.80	16.90	21.50	4.60	21.50	23.30	16.90	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:00 AM	200.00	5.40	16.50	22.30	5.80	22.30	23.30	16.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:15 AM	198.00	5.00	17.40	23.40	6.00	23.40	24.10	17.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:30 AM	233.00	4.70	16.40	22.70	6.30	22.70	24.60	16.40	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/4/15 3:45 AM	221.00	6.00	18.10	23.40	5.30	23.40	26.40	18.10	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:00 AM	217.00	6.20	17.90	24.50	6.60	24.50	24.00	17.90	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:15 AM	222.00	5.40	19.30	23.30	4.00	23.30	24.90	19.30	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:30 AM	221.00	4.40	20.30	23.90	3.60	23.90	25.70	20.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:45 AM	238.00	3.10	24.00	27.80	3.80	27.80	30.90	24.00	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:00 AM	208.00	3.30	24.80	24.90	0.10	24.90	29.40	24.80	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:15 AM	195.00	3.70	26.80	26.00	0.00	26.00	31.20	26.80	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:30 AM	198.00	4.30	29.90	0.00	0.00	0.00	33.10	29.90	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:45 AM	188.00	5.00	29.00	24.30	0.00	24.30	31.50	29.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:00 AM	185.00	5.60	37.30	26.60	0.00	26.60	33.40	37.30	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:15 AM	204.00	4.50	39.60	26.40	0.00	26.40	35.40	39.60	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:30 AM	221.00	4.40	49.50	28.60	0.00	28.60	41.70	49.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:45 AM	216.00	5.10	54.40	31.30	0.00	31.30	44.60	54.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:00 AM	223.00	4.90	52.30	29.30	0.00	29.30	43.70	52.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:15 AM	196.00	3.40	52.70	29.90	0.00	29.90	44.00	52.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:30 AM	185.00	3.70	50.80	29.70	0.00	29.70	43.20	50.80	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:45 AM	249.00	3.10	52.90	25.80	0.00	25.80	41.50	52.90	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:00 AM	273.00	2.40	11.20	27.30	16.10	16.30	27.30	36.60	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:15 AM	261.00	2.70	34.50	13.10	0.00	13.10	23.20	34.50	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:30 AM	252.00	5.80	35.40	13.70	0.00	13.70	26.60	35.40	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:45 AM	225.00	4.20	39.50	16.90	0.00	16.90	28.40	39.50	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:00 AM	229.00	4.40	39.00	0.00	0.00	0.00	27.70	39.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:15 AM	234.00	3.00	41.00	20.20	0.00	20.20	30.60	41.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:30 AM	244.00	2.40	35.20	21.20	0.00	21.20	26.60	35.20	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:45 AM	260.00	2.00	30.50	13.10	0.00	13.10	22.50	30.50	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:00 AM	222.00	2.00	28.10	12.30	0.00	12.30	20.30	28.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:15 AM	250.00	2.40	27.70	12.30	0.00	12.30	21.80	27.70	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:30 AM	239.00	1.90	26.90	13.00	0.00	13.00	21.40	26.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:45 AM	210.00	0.90	27.30	13.20	0.00	13.20	21.70	27.30	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:00 AM	246.00	2.90	27.10	17.50	0.00	17.50	24.20	27.10	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:15 AM	177.00	2.90	24.10	12.00	0.00	20.60	24.10	25.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:30 AM	244.00	3.50	26.80	18.00	0.00	18.00	23.60	26.80	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:45 AM	223.00	4.80	20.90	19.30	0.00	19.30	20.70	20.90	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:00 PM	172.00	1.90	20.10	11.20	0.00	19.90	20.10	20.40	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:15 PM	192.00	5.70	19.70	21.60	1.90	21.60	21.80	19.70	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:30 PM	209.00	3.00	19.10	20.00	0.90	20.00	23.60	19.10	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 12:45 PM	208.00	4.50	19.70	19.70	0.00	19.70	21.50	19.70	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:00 PM	202.00	4.50	20.90	24.30	3.40	24.30	28.60	20.90	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:15 PM	247.00	3.20	24.50	27.30	2.80	27.30	28.40	24.50	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:30 PM	246.00	3.10	26.30	28.00	1.70	28.00	29.10	26.30	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 1:45 PM	204.00	2.90	25.00	27.60	2.60	27.60	28.90	25.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:00 PM	231.00	2.40	24.60	25.40	0.80	25.40	26.70	24.60	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:15 PM	269.00	1.30	22.00	23.30	1.30	23.30	28.30	22.00	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:30 PM	40.00	8.20	24.30	21.30	0.00	24.30	25.80	21.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 2:45 PM	49.00	5.60	23.30	23.20	0.00	23.30	26.80	23.20	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:00 PM	48.00	4.80	25.00	22.80	0.00	25.00	27.20	22.80	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:15 PM	74.00	3.00	24.70	23.60	0.00	24.70	28.40	23.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:30 PM	69.00	2.30	47.00	25.50	0.00	47.00	31.10	25.50	52.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 3:45 PM	65.00	5.00	37.10	33.40	0.00	37.10	56.00	33.40	27.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:00 PM	95.00	2.40	81.90	26.00	0.00	37.10	81.90	51.10	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:15 PM	68.00	4.20	36.80	41.90	5.10	36.80	86.60	41.90	30.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:30 PM	81.00	2.90	42.70	65.30	22.60	42.70	75.00	65.30	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 4:45 PM	93.00	3.20	171.40	32.50	0.00	43.60	171.40	107.80	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:00 PM	74.00	3.60	147.10	221.80	74.70	147.10	234.00	221.80	63.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:15 PM	89.00	4.00	43.90	55.70	11.80	43.90	63.70	55.70	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:30 PM	73.00	4.10	54.30	56.60	2.30	54.30	72.00	56.60	39.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 5:45 PM	83.00	3.60	54.30	54.00	0.00	54.30	65.80	54.00	39.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:00 PM	75.00	3.90	50.50	51.90	1.40	50.50	57.80	51.90	44.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:15 PM	0.00	0.00	0.00	0.00	0.00	38.70	53.90	47.50	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:30 PM	74.00	3.20	40.20	48.10	7.90	40.20	55.60	48.10	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 6:45 PM	62.00	3.60	38.90	47.30	8.40	38.90	59.10	47.30	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:00 PM	58.00	3.90	29.30	46.70	17.40	29.30	51.00	46.70	25.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:15 PM	21.00	4.70	29.80	42.90	13.10	29.80	52.60	42.90	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:30 PM	27.00	4.50	34.10	46.40	12.30	34.10	50.40	46.40	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 7:45 PM	27.00	3.40	0.00	37.10	0.00	0.00	51.70	37.10	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:00 PM	34.00	3.60	45.30	43.40	0.00	45.30	47.40	43.40	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:15 PM	15.00	3.00	43.10	58.50	15.40	43.10	64.40	58.50	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:30 PM	31.00	4.10	43.10	61.30	18.20	43.10	64.00	61.30	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 8:45 PM	36.00	3.10	23.00	39.50	16.50	23.00	42.20	39.50	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:00 PM	46.00	2.80	20.00	33.00	13.00	20.00	37.70	33.00	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:15 PM	12.00	2.10	20.00	33.40	13.40	20.00	36.60	33.40	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:30 PM	34.00	3.90	20.20	26.10	5.90	20.20	40.50	26.10	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 9:45 PM	43.00	2.00	15.90	30.10	14.20	15.90	30.80	30.10	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:00 PM	35.00	2.40	13.30	23.80	10.50	13.30	23.20	23.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:15 PM	39.00	2.40	15.60	23.00	7.40	15.60	25.10	23.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:30 PM	35.00	2.00	21.30	28.70	7.40	21.30	27.80	28.70	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 10:45 PM	43.00	2.00	14.50	23.00	8.50	14.50	23.90	23.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:00 PM	15.00	2.10	17.20	23.20	6.00	17.20	25.40	23.20	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:15 PM	29.00	1.80	13.90	21.40	7.50	13.90	23.60	21.40	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:30 PM	33.00	2.70	14.90	22.80	7.90	14.90	23.10	22.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/4/15 11:45 PM	33.00	3.30	16.60	22.80	6.20	16.60	23.40	22.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:00 AM	34.00	3.40	13.70	21.90	8.20	13.70	23.10	21.90	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:15 AM	41.00	2.30	10.90	14.20	3.30	10.90	21.00	14.20	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:30 AM	40.00	2.90	12.70	10.80	0.00	12.70	19.80	10.80	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:45 AM	66.00	1.80	12.60	16.80	4.20	12.60	19.10	16.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:00 AM	49.00	1.90	12.10	13.00	0.90	12.10	14.10	13.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:15 AM	61.00	2.30	10.90	6.40	0.00	10.90	14.10	6.40	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:30 AM	266.00	2.10	12.40	13.90	1.50	13.90	12.40	12.40	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:45 AM	245.00	4.50	5.70	15.50	9.80	15.50	11.70	5.70	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:00 AM	231.00	1.10	16.80	39.20	22.40	39.20	23.80	16.80	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:15 AM	359.00	2.90	9.60	31.00	21.40	39.40	31.00	25.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:30 AM	15.00	2.60	34.20	28.40	0.00	34.20	26.50	28.40	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:45 AM	35.00	3.50	10.30	10.10	0.00	10.30	13.80	10.10	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:00 AM	44.00	2.90	18.40	20.40	2.00	18.40	28.10	20.40	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:15 AM	47.00	4.90	19.40	25.90	6.50	19.40	30.40	25.90	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:30 AM	25.00	2.80	20.80	27.40	6.60	20.80	31.30	27.40	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:45 AM	40.00	4.80	26.20	36.40	10.20	26.20	40.40	36.40	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:00 AM	29.00	3.00	12.00	22.80	10.80	12.00	23.70	22.80	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:15 AM	54.00	3.00	9.50	19.70	10.20	9.50	20.90	19.70	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:30 AM	25.00	2.20	11.00	17.90	6.90	11.00	19.50	17.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:45 AM	324.00	4.10	7.00	12.00	5.00	6.10	12.00	10.20	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/5/15 5:00 AM	1.00	4.80	6.90	11.00	4.10	6.90	12.00	11.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:15 AM	355.00	4.50	19.40	17.30	0.00	6.40	17.30	10.50	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:30 AM	17.00	2.40	14.70	22.20	7.50	14.70	23.90	22.20	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:45 AM	50.00	2.50	11.80	10.30	0.00	11.80	19.60	10.30	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:00 AM	51.00	4.10	6.80	10.30	3.50	6.80	14.60	10.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:15 AM	45.00	4.20	8.10	10.70	2.60	8.10	17.80	10.70	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:30 AM	15.00	1.90	10.10	13.90	3.80	10.10	20.50	13.90	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:45 AM	1.00	2.80	12.30	24.90	12.60	12.30	21.60	24.90	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:00 AM	21.00	4.00	0.00	30.80	0.00	0.00	24.20	30.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:15 AM	31.00	6.10	13.00	26.40	13.40	13.00	21.60	26.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:30 AM	33.00	5.10	11.20	23.90	12.70	11.20	19.30	23.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:45 AM	31.00	3.60	11.60	16.40	4.80	11.60	18.40	16.40	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:00 AM	29.00	4.70	10.10	14.90	4.80	10.10	16.30	14.90	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:15 AM	55.00	2.70	11.90	18.10	6.20	11.90	17.40	18.10	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:30 AM	51.00	3.20	10.30	22.00	11.70	10.30	16.90	22.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:45 AM	27.00	2.10	16.00	20.30	4.30	16.00	20.80	20.30	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:00 AM	43.00	4.70	17.00	25.60	8.60	17.00	28.70	25.60	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:15 AM	69.00	2.90	25.70	33.10	7.40	25.70	32.00	33.10	51.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:30 AM	91.00	3.20	115.40	75.60	0.00	84.20	115.40	133.10	75.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:45 AM	103.00	2.80	60.80	33.60	0.00	57.50	60.80	75.60	33.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:00 AM	107.00	2.50	67.70	30.80	0.00	0.00	67.70	68.80	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:15 AM	40.00	1.50	49.90	50.30	0.40	49.90	53.70	50.30	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:30 AM	238.00	1.80	45.60	25.80	0.00	25.80	38.20	45.60	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:45 AM	7.00	1.90	7.30	18.50	11.20	7.30	17.30	18.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:00 AM	327.00	2.00	4.70	13.60	8.90	7.80	13.60	14.30	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:15 AM	350.00	3.90	5.00	13.60	8.60	0.00	13.60	25.30	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:30 AM	347.00	3.40	8.40	47.80	39.40	16.80	47.80	48.70	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:45 AM	347.00	2.50	10.20	39.40	29.20	27.90	39.40	40.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:00 PM	350.00	3.80	10.50	39.40	28.90	18.90	39.40	41.30	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:15 PM	5.00	4.20	0.00	48.70	0.00	0.00	26.60	48.70	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:30 PM	352.00	5.60	9.80	23.50	13.70	18.70	23.50	30.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 12:45 PM	351.00	7.50	10.90	24.40	13.50	20.20	24.40	27.70	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:00 PM	358.00	6.60	12.80	24.30	11.50	19.00	24.30	23.20	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:15 PM	351.00	6.60	14.50	23.70	9.20	19.60	23.70	22.40	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:30 PM	355.00	5.50	14.10	21.70	7.60	17.70	21.70	20.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 1:45 PM	351.00	5.70	15.80	20.90	5.10	18.40	20.90	19.40	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:00 PM	357.00	5.50	16.10	20.10	4.00	17.70	20.10	16.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:15 PM	356.00	5.30	14.80	27.60	12.80	22.90	27.60	16.60	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:30 PM	11.00	4.20	20.70	16.30	0.00	20.70	20.50	16.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 2:45 PM	9.00	3.70	23.70	16.90	0.00	23.70	26.80	16.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:00 PM	33.00	4.10	23.70	19.10	0.00	23.70	29.60	19.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:15 PM	25.00	3.00	27.50	17.80	0.00	27.50	31.00	17.80	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:30 PM	19.00	4.00	30.40	19.90	0.00	30.40	30.90	19.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 3:45 PM	29.00	3.60	34.80	23.90	0.00	34.80	25.90	23.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:00 PM	44.00	3.40	34.80	25.80	0.00	34.80	25.50	25.80	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:15 PM	37.00	3.90	25.60	27.50	1.90	25.60	36.00	27.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:30 PM	23.00	3.50	25.80	25.70	0.00	25.80	39.80	25.70	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 4:45 PM	37.00	3.50	26.50	28.60	2.10	26.50	33.30	28.60	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:00 PM	41.00	3.50	23.90	33.10	9.20	23.90	28.40	33.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:15 PM	347.00	5.90	18.70	31.40	12.70	23.30	31.40	28.10	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:30 PM	0.00	5.20	18.70	29.90	11.20	18.70	28.60	29.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 5:45 PM	358.00	5.00	18.70	20.90	2.20	16.80	20.90	29.90	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:00 PM	27.00	4.00	14.10	19.50	5.40	14.10	18.30	19.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:15 PM	358.00	2.40	7.60	17.30	9.70	13.70	17.30	19.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:30 PM	25.00	2.10	15.10	13.00	0.00	15.10	15.50	13.00	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 6:45 PM	37.00	3.30	0.00	12.20	0.00	0.00	19.70	12.20	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:00 PM	353.00	4.50	10.60	16.80	6.20	13.50	16.80	13.20	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:15 PM	334.00	3.00	10.40	17.10	6.70	18.90	17.10	13.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:30 PM	356.00	4.20	10.90	17.80	6.90	14.00	17.80	12.20	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 7:45 PM	353.00	5.50	11.70	17.60	5.90	14.00	17.60	12.50	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:00 PM	0.00	4.40	18.10	13.00	0.00	18.10	18.90	13.00	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:15 PM	347.00	2.20	12.60	17.80	5.20	18.50	17.80	12.80	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:30 PM	4.00	3.40	14.20	13.40	0.00	14.20	17.90	13.40	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 8:45 PM	357.00	4.50	10.20	16.30	6.10	13.20	16.30	13.10	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:00 PM	2.00	4.00	19.20	12.70	0.00	19.20	15.50	12.70	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:15 PM	348.00	3.60	11.50	18.20	6.70	22.10	18.20	15.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:30 PM	350.00	5.40	11.40	18.50	7.10	19.00	18.50	15.80	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 9:45 PM	12.00	3.40	15.80	15.50	0.00	15.80	20.50	15.50	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:00 PM	24.00	2.50	15.40	17.50	2.10	15.40	17.90	17.50	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:15 PM	25.00	3.60	16.10	15.70	0.00	16.10	19.10	15.70	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:30 PM	27.00	4.10	23.00	15.30	0.00	23.00	18.50	15.30	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 10:45 PM	37.00	2.70	23.00	15.30	0.00	23.00	20.00	15.30	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:00 PM	24.00	2.80	18.00	15.00	0.00	18.00	24.00	15.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:15 PM	39.00	3.30	14.20	14.80	0.60	14.20	19.10	14.80	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:30 PM	33.00	3.40	17.00	15.20	0.00	17.00	18.20	15.20	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/5/15 11:45 PM	37.00	2.70	14.60	17.60	3.00	14.60	23.10	17.60	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:00 AM	37.00	2.40	23.70	16.00	0.00	23.70	19.70	16.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:15 AM	25.00	1.70	17.20	15.80	0.00	17.20	20.00	15.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:30 AM	348.00	2.60	10.50	19.60	9.10	13.50	19.60	20.20	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:45 AM	341.00	1.90	8.40	20.80	12.40	13.20	20.80	17.10	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:00 AM	12.00	1.80	15.40	17.10	1.70	15.40	22.30	17.10	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:15 AM	31.00	1.90	15.60	15.00	0.00	15.60	22.60	15.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:30 AM	340.00	1.70	9.70	26.30	16.60	17.80	26.30	15.20	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:45 AM	323.00	1.90	11.00	26.60	15.60	19.80	26.60	18.60	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:00 AM	342.00	2.20	11.60	37.80	26.20	16.80	37.80	16.00	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:15 AM	344.00	2.20	11.90	30.20	18.30	23.60	30.20	16.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:30 AM	349.00	2.60	12.10	34.30	22.20	0.00	34.30	19.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:45 AM	1.00	3.20	0.00	20.70	0.00	0.00	32.30	20.70	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:00 AM	358.00	3.50	11.20	24.50	13.30	17.80	24.50	22.20	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:15 AM	359.00	2.50	11.30	28.60	17.30	22.60	28.60	27.10	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:30 AM	2.00	2.40	19.10	31.70	12.60	19.10	35.80	31.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:45 AM	354.00	2.10	9.90	27.10	17.20	16.40	27.10	26.20	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:00 AM	353.00	1.20	8.70	24.20	15.50	16.40	24.20	27.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:15 AM	353.00	1.70	12.30	24.30	12.00	20.40	24.30	30.10	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:30 AM	42.00	0.90	17.30	22.80	5.50	17.30	32.70	22.80	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:45 AM	37.00	1.60	18.20	27.20	9.00	18.20	28.00	27.20	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:00 AM	30.00	1.60	0.00	26.20	0.00	0.00	25.20	26.20	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:15 AM	42.00	1.70	16.00	23.40	7.40	16.00	28.30	23.40	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:30 AM	37.00	1.60	18.00	22.90	4.90	18.00	28.30	22.90	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:45 AM	33.00	1.70	0.00	24.70	0.00	0.00	43.00	24.70	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:00 AM	64.00	1.10	20.70	26.80	6.10	20.70	41.30	26.80	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/6/15 6:15 AM	49.00	1.50	20.70	27.90	7.20	20.70	46.40	27.90	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:30 AM	185.00	0.50	34.90	45.80	10.90	45.80	58.10	34.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:45 AM	321.00	0.50	14.40	71.50	57.10	44.00	71.50	101.90	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:00 AM	71.00	0.60	49.60	106.40	56.80	49.60	84.40	106.40	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:15 AM	127.00	0.20	89.40	15.70	0.00	56.90	89.40	126.60	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:30 AM	121.00	1.60	75.90	24.60	0.00	54.40	75.90	128.00	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:45 AM	123.00	1.50	74.20	18.40	0.00	46.70	74.20	100.40	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:00 AM	122.00	3.20	80.80	19.40	0.00	53.70	80.80	80.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:15 AM	134.00	2.10	86.20	24.10	0.00	61.70	86.20	80.10	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:30 AM	144.00	2.50	90.10	28.20	0.00	64.70	90.10	92.30	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:45 AM	143.00	2.50	86.90	27.60	0.00	64.10	86.90	88.90	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:00 AM	129.00	2.30	85.20	27.00	0.00	64.80	85.20	85.60	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:15 AM	168.00	2.80	86.20	27.10	0.00	62.50	86.20	93.20	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:30 AM	187.00	3.70	86.10	64.30	0.00	64.30	87.10	86.10	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:45 AM	153.00	1.80	81.00	27.70	0.00	0.00	81.00	79.80	27.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:00 AM	114.00	1.70	78.80	27.00	0.00	63.40	78.80	71.60	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:15 AM	135.00	1.80	66.90	25.00	0.00	57.10	66.90	64.10	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:30 AM	193.00	1.10	54.10	54.00	0.00	54.00	64.40	54.10	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:45 AM	159.00	2.30	55.50	23.40	0.00	52.50	55.50	54.10	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:00 AM	155.00	1.70	54.20	22.90	0.00	0.00	54.20	46.30	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:15 AM	175.00	3.80	51.50	23.50	0.00	48.90	51.50	44.30	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:30 AM	138.00	3.30	50.10	22.80	0.00	47.50	50.10	37.60	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:45 AM	207.00	2.90	38.80	0.00	0.00	0.00	49.20	38.80	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:00 PM	138.00	2.30	44.30	22.50	0.00	46.00	44.30	34.40	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:15 PM	213.00	3.30	30.00	44.40	14.40	44.40	41.90	30.00	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:30 PM	194.00	2.80	27.60	40.50	12.90	40.50	41.20	27.60	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 12:45 PM	210.00	1.90	26.80	36.80	10.00	36.80	37.00	26.80	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:00 PM	22.00	4.60	36.90	25.40	0.00	36.90	34.90	25.40	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:15 PM	14.00	3.90	34.30	20.90	0.00	34.30	24.80	20.90	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:30 PM	16.00	4.80	28.90	18.50	0.00	28.90	23.90	18.50	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 1:45 PM	26.00	4.10	0.00	18.50	0.00	0.00	23.50	18.50	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:00 PM	20.00	4.70	36.50	21.70	0.00	36.50	21.50	21.70	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:15 PM	26.00	4.30	41.30	33.20	0.00	41.30	49.50	33.20	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:30 PM	26.00	3.70	0.00	36.70	0.00	0.00	49.70	36.70	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 2:45 PM	10.00	4.30	34.70	37.90	3.20	34.70	41.10	37.90	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:00 PM	29.00	3.90	30.60	38.40	7.80	30.60	42.10	38.40	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:15 PM	37.00	2.90	29.20	30.80	1.60	29.20	42.50	30.80	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:30 PM	20.00	4.20	31.80	38.50	6.70	31.80	44.70	38.50	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 3:45 PM	18.00	4.50	24.20	37.90	13.70	24.20	47.50	37.90	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:00 PM	35.00	3.70	33.10	41.00	7.90	33.10	49.60	41.00	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:15 PM	28.00	3.60	34.40	42.40	8.00	34.40	51.20	42.40	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:30 PM	28.00	2.80	43.50	51.10	7.60	43.50	67.30	51.10	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 4:45 PM	33.00	2.80	36.30	56.80	20.50	36.30	64.30	56.80	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:00 PM	21.00	3.50	29.10	47.90	18.80	29.10	57.50	47.90	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:15 PM	41.00	2.60	39.20	49.80	10.60	39.20	51.70	49.80	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:30 PM	54.00	2.40	44.20	60.50	16.30	44.20	54.30	60.50	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 5:45 PM	47.00	2.60	34.10	51.50	17.40	34.10	47.10	51.50	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:00 PM	35.00	2.20	28.30	54.40	26.10	28.30	49.00	54.40	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:15 PM	38.00	3.20	29.80	48.20	18.40	29.80	47.00	48.20	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:30 PM	32.00	2.60	0.00	40.30	0.00	0.00	43.00	40.30	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 6:45 PM	43.00	3.00	27.60	44.40	16.80	27.60	42.00	44.40	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:00 PM	39.00	3.00	28.00	38.40	10.40	28.00	35.70	38.40	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:15 PM	32.00	3.00	43.40	41.60	0.00	43.40	43.90	41.60	27.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:30 PM	34.00	2.50	31.90	44.30	12.40	31.90	35.10	44.30	39.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 7:45 PM	46.00	2.80	24.10	43.10	19.00	24.10	38.50	43.10	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:00 PM	32.00	2.80	22.20	40.30	18.10	22.20	37.10	40.30	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:15 PM	36.00	2.80	20.90	38.30	17.40	20.90	33.40	38.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:30 PM	19.00	2.40	23.20	38.40	15.20	23.20	36.10	38.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 8:45 PM	22.00	2.10	23.30	35.90	12.60	23.30	38.50	35.90	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:00 PM	34.00	2.10	24.90	40.00	15.10	24.90	35.00	40.00	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:15 PM	36.00	2.60	23.70	39.90	16.20	23.70	36.40	39.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:30 PM	36.00	2.60	26.90	37.50	10.60	26.90	38.40	37.50	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 9:45 PM	41.00	2.20	24.60	39.90	15.30	24.60	39.10	39.90	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:00 PM	56.00	1.50	24.60	33.30	8.70	24.60	36.80	33.30	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:15 PM	32.00	1.60	26.20	21.50	0.00	26.20	37.50	21.50	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:30 PM	46.00	1.40	20.90	23.30	2.40	20.90	36.20	23.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 10:45 PM	65.00	0.90	22.00	27.20	5.20	22.00	39.80	27.20	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:00 PM	70.00	0.60	15.40	28.10	12.70	15.40	31.30	28.10	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:15 PM	55.00	1.10	18.50	27.10	8.60	18.50	29.30	27.10	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:30 PM	50.00	0.60	22.60	18.40	0.00	22.60	31.20	18.40	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/6/15 11:45 PM	343.00	0.80	8.10	29.60	21.50	0.00	29.60	18.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:00 AM	318.00	0.80	8.80	35.50	26.70	20.40	35.50	20.60	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:15 AM	303.00	0.70	8.50	35.00	26.50	23.70	35.00	22.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:30 AM	296.00	0.20	8.20	38.20	30.00	18.80	38.20	20.30	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:45 AM	128.00	0.20	42.30	7.00	0.00	0.00	42.30	21.20	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:00 AM	43.00	2.70	16.70	18.40	1.70	16.70	38.20	18.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:15 AM	169.00	0.30	41.10	7.00	0.00	18.50	41.10	19.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:30 AM	183.00	0.60	19.10	17.20	0.00	17.20	30.60	19.10	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:45 AM	198.00	1.00	18.00	16.70	0.00	16.70	47.50	18.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:00 AM	195.00	1.30	28.00	34.30	6.30	34.30	52.00	28.00	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:15 AM	241.00	1.30	41.30	23.60	0.00	23.60	40.80	41.30	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:30 AM	185.00	0.90	44.90	0.00	0.00	0.00	49.90	44.90	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:45 AM	245.00	1.10	44.00	30.50	0.00	30.50	42.70	44.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:00 AM	205.00	0.80	43.40	27.40	0.00	27.40	40.70	43.40	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:15 AM	139.00	2.10	35.40	9.50	0.00	25.40	35.40	37.90	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:30 AM	151.00	2.10	43.30	9.80	0.00	20.80	43.30	34.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:45 AM	152.00	1.80	38.90	13.40	0.00	24.60	38.90	34.90	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:00 AM	163.00	2.50	32.60	9.60	0.00	22.70	32.60	34.90	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:15 AM	151.00	2.80	35.80	10.40	0.00	22.70	35.80	39.90	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:30 AM	154.00	2.80	33.50	13.20	0.00	0.00	33.50	43.60	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:45 AM	153.00	3.30	31.60	10.60	0.00	22.60	31.60	45.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:00 AM	151.00	3.10	31.70	10.40	0.00	23.90	31.70	53.60	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:15 AM	150.00	3.00	32.00	10.80	0.00	25.20	32.00	55.90	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:30 AM	155.00	2.80	33.10	11.30	0.00	25.00	33.10	53.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:45 AM	151.00	3.70	34.10	11.90	0.00	25.30	34.10	58.10	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:00 AM	147.00	3.10	36.00	12.80	0.00	27.90	36.00	52.40	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:15 AM	148.00	3.90	37.60	13.70	0.00	0.00	37.60	52.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:30 AM	154.00	4.10	38.50	13.90	0.00	30.30	38.50	47.90	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:45 AM	163.00	2.90	41.50	15.00	0.00	0.00	41.50	44.80	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:00 AM	162.00	3.20	44.90	16.20	0.00	30.80	44.90	42.90	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:15 AM	161.00	3.40	40.50	16.00	0.00	31.40	40.50	43.50	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/7/15 7:30 AM	144.00	3.50	39.70	16.50	0.00	33.60	39.70	42.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:45 AM	177.00	3.20	45.90	19.70	0.00	32.40	45.90	36.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:00 AM	174.00	4.20	37.10	18.50	0.00	35.90	37.10	33.60	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:15 AM	155.00	3.90	35.10	16.70	0.00	32.50	35.10	31.20	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:30 AM	155.00	4.10	34.10	17.50	0.00	34.10	34.10	30.60	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:45 AM	157.00	3.40	33.10	17.30	0.00	33.20	33.10	28.30	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:00 AM	181.00	3.40	27.40	30.30	2.90	30.30	30.20	27.40	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:15 AM	165.00	3.60	28.90	16.80	0.00	31.30	28.90	24.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:30 AM	195.00	4.70	23.40	30.70	7.30	30.70	27.90	23.40	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:45 AM	207.00	4.80	21.90	30.70	8.80	30.70	27.70	21.90	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:00 AM	188.00	3.40	19.50	26.60	7.10	26.60	24.70	19.50	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:15 AM	189.00	4.30	17.30	25.90	8.60	25.90	23.50	17.30	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:30 AM	190.00	3.90	16.00	27.20	11.20	27.20	22.60	16.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:45 AM	187.00	4.20	15.50	26.90	11.40	26.90	23.20	15.50	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:00 AM	190.00	4.00	14.30	25.20	10.90	25.20	21.70	14.30	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:15 AM	166.00	5.70	23.40	13.90	0.00	24.30	23.40	13.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:30 AM	203.00	5.20	13.20	23.90	10.70	23.90	20.20	13.20	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:45 AM	198.00	7.40	12.40	22.50	10.10	22.50	19.70	12.40	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:00 PM	191.00	8.00	12.20	22.50	10.30	22.50	19.70	12.20	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:15 PM	185.00	5.00	12.00	21.80	9.80	21.80	18.70	12.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:30 PM	200.00	8.40	9.40	20.40	11.00	20.40	18.20	9.40	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 12:45 PM	206.00	7.90	8.40	0.00	0.00	0.00	17.40	8.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:00 PM	196.00	6.10	7.90	0.00	0.00	0.00	16.80	7.90	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:15 PM	206.00	6.70	7.80	20.30	12.50	20.30	15.50	7.80	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:30 PM	201.00	6.70	7.70	18.80	11.10	18.80	22.30	7.70	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 1:45 PM	199.00	7.70	6.90	18.60	11.70	18.60	15.80	6.90	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:00 PM	197.00	8.40	7.10	19.10	12.00	19.10	17.70	7.10	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:15 PM	186.00	7.80	6.90	18.00	11.10	18.00	15.70	6.90	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:30 PM	174.00	8.20	15.70	17.30	1.60	18.00	15.70	7.80	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 2:45 PM	191.00	4.80	7.10	20.40	13.30	20.40	36.50	7.10	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:00 PM	190.00	8.20	6.10	19.50	13.40	19.50	21.40	6.10	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:15 PM	203.00	6.80	6.40	20.10	13.70	20.10	26.10	6.40	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:30 PM	209.00	8.30	5.40	19.40	14.00	19.40	35.00	5.40	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 3:45 PM	182.00	7.30	6.50	23.50	17.00	23.50	35.00	6.50	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:00 PM	203.00	7.10	5.40	21.40	16.00	21.40	18.70	5.40	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:15 PM	201.00	6.70	7.70	23.10	15.40	23.10	23.20	7.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:30 PM	201.00	6.50	4.90	20.40	15.50	20.40	16.60	4.90	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 4:45 PM	194.00	7.40	6.60	25.00	18.40	25.00	16.30	6.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:00 PM	194.00	7.90	7.20	22.80	15.60	22.80	94.60	7.20	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:15 PM	187.00	8.10	10.90	24.10	13.20	24.10	18.60	10.90	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:30 PM	178.00	5.40	28.40	16.70	0.00	23.70	28.40	8.90	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 5:45 PM	173.00	6.30	21.20	16.20	0.00	23.30	21.20	8.80	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:00 PM	202.00	7.10	9.50	23.30	13.80	23.30	19.10	9.50	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:15 PM	201.00	6.10	9.50	22.70	13.20	22.70	18.80	9.50	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:30 PM	202.00	7.30	9.90	24.80	14.90	24.80	20.10	9.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 6:45 PM	186.00	4.60	10.30	32.30	22.00	32.30	19.60	10.30	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:00 PM	168.00	4.70	19.10	15.70	0.00	22.80	19.10	9.10	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:15 PM	199.00	5.60	9.20	24.70	15.50	24.70	25.30	9.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:30 PM	198.00	3.50	7.70	20.40	12.70	20.40	20.50	7.70	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 7:45 PM	180.00	3.80	7.30	21.10	13.80	21.10	17.60	7.30	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:00 PM	184.00	3.20	7.30	21.30	14.00	21.30	20.30	7.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:15 PM	188.00	3.10	9.10	21.20	12.10	21.20	19.00	9.10	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:30 PM	178.00	4.30	19.50	14.50	0.00	22.10	19.50	10.20	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 8:45 PM	174.00	4.90	19.40	14.40	0.00	20.70	19.40	12.10	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:00 PM	179.00	4.20	20.20	14.80	0.00	22.30	20.20	13.40	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:15 PM	188.00	3.70	15.30	24.20	8.90	24.20	22.60	15.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:30 PM	194.00	4.60	16.40	24.70	8.30	24.70	21.90	16.40	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 9:45 PM	253.00	7.10	18.10	25.00	6.90	25.00	23.50	18.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:00 PM	266.00	3.00	18.00	28.30	10.30	28.30	24.10	18.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:15 PM	242.00	3.30	19.80	27.70	7.90	27.70	23.80	19.80	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:30 PM	261.00	4.50	18.70	25.60	6.90	25.60	24.70	18.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 10:45 PM	253.00	2.90	27.60	26.10	0.00	26.10	24.90	27.60	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:00 PM	224.00	2.10	23.80	0.00	0.00	0.00	22.40	23.80	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:15 PM	214.00	2.20	27.10	18.70	0.00	18.70	19.50	27.10	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:30 PM	199.00	2.50	29.40	17.60	0.00	17.60	21.10	29.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/7/15 11:45 PM	167.00	2.30	19.40	10.20	0.00	17.00	19.40	32.60	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:00 AM	174.00	2.80	20.90	9.60	0.00	16.50	20.90	35.20	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:15 AM	163.00	3.10	22.40	9.70	0.00	0.00	22.40	37.40	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:30 AM	184.00	2.70	41.00	19.10	0.00	19.10	22.50	41.00	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:45 AM	186.00	3.20	40.90	19.30	0.00	19.30	23.80	40.90	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:00 AM	187.00	3.50	42.90	19.80	0.00	19.80	24.60	42.90	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:15 AM	199.00	3.90	45.90	23.10	0.00	23.10	27.30	45.90	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:30 AM	192.00	3.40	51.40	26.30	0.00	26.30	29.50	51.40	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:45 AM	197.00	2.90	50.30	26.80	0.00	26.80	28.30	50.30	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:00 AM	202.00	2.90	44.30	20.80	0.00	20.80	23.90	44.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:15 AM	204.00	2.90	40.90	19.30	0.00	19.30	23.60	40.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:30 AM	234.00	2.70	40.60	18.10	0.00	18.10	23.30	40.60	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:45 AM	216.00	2.50	37.50	16.80	0.00	16.80	22.00	37.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:00 AM	206.00	3.90	36.40	16.70	0.00	16.70	21.20	36.40	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:15 AM	206.00	4.70	35.50	16.20	0.00	16.20	21.60	35.50	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:30 AM	214.00	3.60	34.90	16.70	0.00	16.70	21.10	34.90	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:45 AM	207.00	4.10	36.20	18.30	0.00	18.30	21.70	36.20	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:00 AM	221.00	3.60	31.60	15.50	0.00	15.50	20.00	31.60	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:15 AM	214.00	2.90	30.00	14.30	0.00	14.30	21.50	30.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:30 AM	189.00	2.20	29.00	13.70	0.00	13.70	19.60	29.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:45 AM	197.00	2.50	28.60	12.20	0.00	12.20	18.90	28.60	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:00 AM	198.00	2.20	28.70	13.00	0.00	13.00	19.00	28.70	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:15 AM	195.00	3.20	28.70	13.00	0.00	13.00	18.00	28.70	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:30 AM	196.00	3.20	27.20	10.80	0.00	10.80	20.00	27.20	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:45 AM	216.00	4.20	26.20	12.60	0.00	12.60	19.50	26.20	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:00 AM	214.00	4.50	25.50	10.30	0.00	10.30	17.60	25.50	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:15 AM	206.00	4.70	24.70	9.70	0.00	9.70	17.30	24.70	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:30 AM	192.00	3.70	24.40	10.60	0.00	10.60	17.50	24.40	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:45 AM	190.00	3.40	25.50	10.10	0.00	10.10	19.40	25.50	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:00 AM	207.00	2.50	27.80	12.70	0.00	12.70	20.40	27.80	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:15 AM	202.00	3.10	39.80	35.10	0.00	35.10	30.80	39.80	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:30 AM	205.00	3.80	45.50	18.40	0.00	18.40	30.40	45.50	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:45 AM	215.00	2.40	35.20	11.60	0.00	11.60	29.40	35.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:00 AM	203.00	3.50	39.90	14.30	0.00	14.30	37.60	39.90	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:15 AM	219.00	3.50	40.50	14.10	0.00	14.10	38.10	40.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:30 AM	204.00	3.90	39.70	14.10	0.00	14.10	37.20	39.70	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/8/15 8:45 AM	179.00	6.00	35.70	8.30	0.00	14.30	35.70	38.30	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:00 AM	207.00	4.90	33.80	15.40	0.00	15.40	33.80	33.80	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:15 AM	207.00	6.60	41.50	25.00	0.00	25.00	37.80	41.50	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:30 AM	198.00	4.40	31.70	17.90	0.00	17.90	31.80	31.70	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:45 AM	211.00	3.70	25.40	15.20	0.00	15.20	29.20	25.40	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:00 AM	208.00	4.30	24.80	14.90	0.00	14.90	27.60	24.80	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:15 AM	238.00	4.70	22.90	17.10	0.00	17.10	26.30	22.90	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:30 AM	202.00	5.30	21.90	17.10	0.00	17.10	25.00	21.90	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:45 AM	199.00	5.30	20.40	17.70	0.00	17.70	24.70	20.40	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:00 AM	177.00	3.50	24.80	10.90	0.00	18.60	24.80	20.10	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:15 AM	174.00	5.80	23.90	10.40	0.00	18.90	23.90	19.10	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:30 AM	158.00	4.60	21.60	9.70	0.00	17.30	21.60	17.10	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:45 AM	196.00	5.50	14.00	16.50	2.50	16.50	19.70	14.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:00 PM	210.00	2.20	14.00	17.80	3.80	17.80	19.40	14.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:15 PM	212.00	4.70	12.90	17.90	5.00	17.90	18.60	12.90	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:30 PM	234.00	5.20	10.90	15.00	4.10	15.00	16.60	10.90	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 12:45 PM	219.00	4.70	10.00	14.80	4.80	14.80	15.10	10.00	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:00 PM	186.00	4.70	9.30	16.60	7.30	16.60	15.10	9.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:15 PM	239.00	3.10	8.50	14.80	6.30	14.80	14.30	8.50	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:30 PM	240.00	3.30	6.30	14.40	8.10	14.40	12.20	6.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 1:45 PM	248.00	1.70	6.50	17.30	10.80	17.30	13.70	6.50	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:00 PM	212.00	5.10	7.50	18.60	11.10	18.60	13.40	7.50	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:15 PM	197.00	4.60	6.90	19.90	13.00	19.90	12.50	6.90	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:30 PM	244.00	2.40	6.10	18.80	12.70	18.80	11.20	6.10	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 2:45 PM	171.00	4.30	12.30	9.40	0.00	17.20	12.30	5.80	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:00 PM	206.00	5.40	5.40	16.70	11.30	16.70	10.80	5.40	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:15 PM	220.00	6.20	6.20	0.00	0.00	0.00	10.40	6.20	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:30 PM	183.00	9.70	6.60	0.00	0.00	0.00	11.00	6.60	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 3:45 PM	192.00	6.00	7.30	15.80	8.50	15.80	11.00	7.30	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:00 PM	187.00	4.60	6.00	14.80	8.80	14.80	11.10	6.00	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:15 PM	177.00	4.60	10.70	8.40	0.00	16.10	10.70	5.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:30 PM	221.00	2.80	6.10	17.00	10.90	17.00	19.20	6.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 4:45 PM	210.00	3.30	4.20	16.80	12.60	16.80	10.10	4.20	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:00 PM	247.00	5.60	8.50	21.10	12.60	21.10	13.80	8.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:15 PM	261.00	5.00	12.70	14.80	2.10	14.80	16.10	12.70	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:30 PM	278.00	4.20	8.50	17.60	9.10	16.00	17.60	16.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 5:45 PM	288.00	4.20	9.10	19.40	10.30	22.90	19.40	22.40	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:00 PM	240.00	2.30	29.00	18.00	0.00	18.00	24.00	29.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:15 PM	208.00	4.90	36.40	19.10	0.00	19.10	29.10	36.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:30 PM	264.00	2.60	34.40	15.10	0.00	15.10	29.60	34.40	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 6:45 PM	201.00	0.80	35.80	15.20	0.00	15.20	30.50	35.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:00 PM	287.00	2.10	7.40	33.40	26.00	0.00	33.40	38.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:15 PM	316.00	2.80	7.20	34.80	27.60	14.20	34.80	39.80	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:30 PM	279.00	2.50	9.00	35.60	26.60	17.60	35.60	42.90	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 7:45 PM	296.00	1.50	7.60	35.90	28.30	16.90	35.90	42.40	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:00 PM	280.00	0.70	7.10	38.50	31.40	16.00	38.50	44.60	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:15 PM	15.00	0.80	14.80	44.10	29.30	14.80	34.50	44.10	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:30 PM	3.00	0.70	0.00	44.80	0.00	0.00	36.00	44.80	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 8:45 PM	14.00	0.70	17.30	48.50	31.20	17.30	37.00	48.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:00 PM	146.00	2.00	36.60	7.00	0.00	14.60	36.60	48.10	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:15 PM	114.00	2.30	36.40	7.00	0.00	14.60	36.40	48.80	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:30 PM	106.00	2.30	35.80	7.20	0.00	13.50	35.80	49.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 9:45 PM	109.00	2.40	34.50	6.80	0.00	12.70	34.50	45.30	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:00 PM	96.00	2.30	33.60	6.70	0.00	14.70	33.60	52.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:15 PM	112.00	3.60	33.80	7.40	0.00	14.50	33.80	48.10	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:30 PM	122.00	2.50	48.30	10.60	0.00	27.10	48.30	63.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 10:45 PM	129.00	2.10	47.30	16.50	0.00	24.20	47.30	66.90	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:00 PM	106.00	1.70	53.80	16.80	0.00	27.90	53.80	0.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:15 PM	110.00	3.40	63.40	18.20	0.00	28.30	63.40	77.80	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:30 PM	114.00	2.40	66.80	13.70	0.00	19.20	66.80	80.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/8/15 11:45 PM	116.00	2.20	68.80	15.30	0.00	23.90	68.80	92.30	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:00 AM	120.00	2.70	62.80	19.70	0.00	31.20	62.80	87.90	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:15 AM	121.00	3.10	53.00	17.00	0.00	29.80	53.00	76.70	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:30 AM	137.00	3.20	51.60	14.80	0.00	22.00	51.60	74.60	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:45 AM	124.00	2.70	44.10	11.40	0.00	19.00	44.10	66.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:00 AM	124.00	2.80	42.20	11.00	0.00	18.00	42.20	58.80	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:15 AM	125.00	3.00	41.00	10.30	0.00	17.60	41.00	58.20	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:30 AM	126.00	1.90	39.50	10.20	0.00	17.70	39.50	56.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:45 AM	141.00	2.10	37.90	9.00	0.00	15.40	37.90	50.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:00 AM	162.00	2.30	35.10	9.30	0.00	15.20	35.10	48.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:15 AM	149.00	2.70	33.20	9.00	0.00	15.80	33.20	42.80	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:30 AM	155.00	2.20	33.90	9.20	0.00	18.20	33.90	43.10	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:45 AM	160.00	1.60	33.60	9.90	0.00	16.80	33.60	48.10	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:00 AM	142.00	1.90	38.00	9.30	0.00	17.00	38.00	39.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:15 AM	152.00	2.40	31.60	11.40	0.00	16.20	31.60	37.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:30 AM	144.00	2.30	33.00	9.30	0.00	18.20	33.00	40.30	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:45 AM	150.00	2.60	33.10	9.30	0.00	18.20	33.10	39.40	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:00 AM	163.00	3.20	32.30	9.90	0.00	16.40	32.30	38.40	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:15 AM	148.00	2.50	35.60	11.80	0.00	13.80	35.60	38.10	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:30 AM	140.00	3.20	29.40	10.20	0.00	15.40	29.40	39.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:45 AM	157.00	1.70	31.40	9.10	0.00	15.40	31.40	39.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:00 AM	143.00	2.20	32.90	9.80	0.00	14.70	32.90	36.60	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:15 AM	208.00	1.40	36.50	12.90	0.00	12.90	32.40	36.50	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:30 AM	147.00	1.90	27.80	7.70	0.00	14.70	27.80	40.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:45 AM	179.00	0.80	27.90	8.30	0.00	13.50	27.90	37.60	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:00 AM	29.00	1.00	13.60	33.40	19.80	13.60	30.50	33.40	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:15 AM	358.00	5.00	8.50	30.60	22.10	14.70	30.60	32.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:30 AM	38.00	1.80	14.30	32.40	18.10	14.30	29.60	32.40	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:45 AM	356.00	6.90	8.60	29.60	21.00	13.90	29.60	33.90	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:00 AM	353.00	8.60	8.80	28.20	19.40	14.70	28.20	35.90	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:15 AM	355.00	8.30	2.50	21.50	19.00	8.40	21.50	14.30	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:30 AM	351.00	9.40	2.20	16.60	14.40	6.10	16.60	6.70	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:45 AM	350.00	8.20	1.40	13.00	11.60	5.50	13.00	6.20	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:00 AM	355.00	7.40	0.00	6.10	6.10	5.50	6.10	-0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:15 AM	357.00	8.20	0.00	3.30	3.30	1.10	3.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:30 AM	355.00	9.40	0.20	3.50	3.30	1.90	3.50	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:45 AM	355.00	8.30	0.70	3.00	2.30	2.00	3.00	2.50	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:00 AM	354.00	8.60	1.20	3.00	1.80	2.30	3.00	2.90	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:15 AM	355.00	9.00	2.60	10.10	7.50	0.00	10.10	5.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:30 AM	348.00	8.40	3.00	12.00	9.00	0.00	12.00	5.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:45 AM	353.00	8.00	3.00	5.50	2.50	3.00	5.50	4.40	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/9/15 10:00 AM	358.00	7.50	2.40	38.00	35.60	3.00	38.00	4.30	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:15 AM	1.00	9.50	2.20	4.10	1.90	2.20	3.50	4.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:30 AM	358.00	9.30	2.10	16.50	14.40	2.20	16.50	4.30	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:45 AM	356.00	8.10	2.10	13.20	11.10	0.00	13.20	4.20	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:00 AM	350.00	8.30	2.60	13.20	10.60	0.00	13.20	5.50	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:15 AM	6.00	7.80	4.30	6.90	2.60	4.30	2.00	6.90	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:30 AM	14.00	7.60	4.30	8.70	4.40	4.30	1.70	8.70	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:45 AM	27.00	8.30	4.50	6.20	1.70	4.50	1.70	6.20	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:00 PM	16.00	9.50	0.00	6.20	0.00	0.00	1.70	6.20	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:15 PM	11.00	8.30	0.00	6.00	0.00	0.00	1.90	6.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:30 PM	5.00	7.70	0.00	6.00	0.00	0.00	2.30	6.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 12:45 PM	0.00	7.70	12.00	5.20	0.00	12.00	2.10	5.20	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:00 PM	3.00	7.40	9.70	6.20	0.00	9.70	1.60	6.20	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:15 PM	355.00	5.90	2.70	1.50	0.00	7.30	1.50	5.90	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:30 PM	356.00	6.70	2.10	2.20	0.10	7.30	2.20	4.10	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 1:45 PM	355.00	8.10	1.90	2.10	0.20	0.00	2.10	3.70	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:00 PM	359.00	7.50	2.70	1.50	0.00	0.00	1.50	4.40	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:15 PM	356.00	7.60	2.90	1.50	0.00	0.00	1.50	4.30	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:30 PM	354.00	7.10	3.20	1.80	0.00	4.10	1.80	3.80	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 2:45 PM	351.00	6.60	3.10	1.60	0.00	4.10	1.60	3.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:00 PM	353.00	8.20	3.00	1.60	0.00	4.10	1.60	3.80	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:15 PM	358.00	8.20	3.10	1.80	0.00	4.10	1.80	3.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:30 PM	3.00	9.20	4.10	3.10	0.00	4.10	1.70	3.10	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 3:45 PM	4.00	9.80	4.60	3.10	0.00	4.60	1.60	3.10	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:00 PM	5.00	8.40	4.60	3.10	0.00	4.60	1.60	3.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:15 PM	3.00	9.00	4.60	3.50	0.00	4.60	0.00	3.50	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:30 PM	2.00	9.20	4.60	3.40	0.00	4.60	2.80	3.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 4:45 PM	21.00	9.50	4.60	3.90	0.00	4.60	1.70	3.90	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:00 PM	16.00	6.40	4.60	4.30	0.00	4.60	1.60	4.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:15 PM	29.00	7.00	4.60	4.30	0.00	4.60	1.60	4.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:30 PM	20.00	8.30	4.60	4.30	0.00	4.60	1.70	4.30	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 5:45 PM	28.00	6.30	5.10	4.60	0.00	5.10	1.70	4.60	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:00 PM	36.00	5.70	5.10	4.70	0.00	5.10	1.80	4.70	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:15 PM	37.00	5.00	5.10	4.60	0.00	5.10	1.60	4.60	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:30 PM	25.00	6.90	5.10	7.50	2.40	5.10	1.60	7.50	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 6:45 PM	23.00	5.50	5.10	8.00	2.90	5.10	1.50	8.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:00 PM	14.00	7.40	5.10	10.80	5.70	5.10	1.50	10.80	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:15 PM	19.00	6.10	5.10	8.40	3.30	5.10	1.60	8.40	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:30 PM	14.00	7.30	0.00	9.40	0.00	0.00	1.60	9.40	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 7:45 PM	37.00	4.40	0.00	13.60	0.00	0.00	1.70	13.60	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:00 PM	348.00	6.30	4.20	2.00	0.00	0.00	2.00	12.20	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:15 PM	4.00	6.00	0.00	14.60	0.00	0.00	1.90	14.60	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:30 PM	6.00	5.20	0.00	17.60	0.00	0.00	2.10	17.60	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 8:45 PM	25.00	5.50	0.00	17.20	0.00	0.00	2.20	17.20	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:00 PM	44.00	5.90	0.00	7.20	0.00	0.00	2.90	7.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:15 PM	22.00	5.00	0.00	8.60	0.00	0.00	2.80	8.60	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:30 PM	41.00	5.60	0.00	10.00	0.00	0.00	2.70	10.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 9:45 PM	42.00	4.30	0.00	16.70	0.00	0.00	3.90	16.70	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:00 PM	34.00	4.80	0.00	173.50	0.00	0.00	3.80	173.50	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:15 PM	32.00	5.10	4.80	157.00	152.20	4.80	3.60	157.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:30 PM	37.00	4.20	4.80	16.70	11.90	4.80	3.70	16.70	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 10:45 PM	40.00	4.10	4.50	15.20	10.70	4.50	2.50	15.20	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:00 PM	31.00	3.10	4.50	40.40	35.90	4.50	3.30	40.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:15 PM	10.00	3.40	4.50	12.60	8.10	4.50	2.80	12.60	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:30 PM	355.00	4.20	3.60	2.40	0.00	0.00	2.40	5.40	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/15 11:45 PM	29.00	2.80	0.00	1.70	0.00	0.00	2.30	1.70	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:00 AM	41.00	3.30	0.00	1.60	0.00	0.00	2.40	1.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:15 AM	33.00	4.90	0.00	1.40	0.00	0.00	2.00	1.40	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:30 AM	31.00	4.60	2.90	1.30	0.00	2.90	2.00	1.30	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:45 AM	51.00	2.20	1.50	1.40	0.00	1.50	2.20	1.40	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:00 AM	41.00	3.80	1.50	9.80	8.30	1.50	2.00	9.80	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:15 AM	36.00	4.00	1.50	3.70	2.20	1.50	2.10	3.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:30 AM	352.00	4.20	0.60	2.20	1.60	1.50	2.20	4.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:45 AM	359.00	3.30	0.40	2.30	1.90	1.50	2.30	1.90	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:00 AM	350.00	5.60	0.50	2.30	1.80	0.00	2.30	2.60	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:15 AM	351.00	6.00	0.40	2.30	1.90	0.00	2.30	2.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:30 AM	351.00	6.00	0.10	2.10	2.00	0.00	2.10	1.60	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:45 AM	354.00	6.70	0.00	2.00	2.00	1.10	2.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:00 AM	355.00	6.10	0.00	2.20	2.20	1.10	2.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:15 AM	354.00	8.10	0.00	4.00	4.00	0.70	4.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:30 AM	0.00	6.30	0.00	1.30	0.00	0.00	2.20	1.30	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:45 AM	349.00	7.00	0.50	2.10	1.60	0.00	2.10	1.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:00 AM	356.00	7.40	0.40	2.70	2.30	0.00	2.70	1.70	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:15 AM	14.00	5.80	1.20	1.40	0.20	1.20	2.10	1.40	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:30 AM	4.00	7.40	1.90	1.40	0.00	1.90	2.40	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:45 AM	0.00	6.50	2.30	1.50	0.00	2.30	2.60	1.50	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:00 AM	1.00	6.90	2.40	1.50	0.00	2.40	2.40	1.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:15 AM	8.00	6.10	2.40	1.50	0.00	2.40	3.70	1.50	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:30 AM	28.00	7.30	6.00	1.50	0.00	6.00	2.70	1.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:45 AM	23.00	6.00	6.00	1.40	0.00	6.00	2.50	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:00 AM	354.00	4.80	0.20	2.50	2.30	6.00	2.50	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:15 AM	358.00	6.30	0.20	2.20	2.00	5.30	2.20	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:30 AM	8.00	6.10	8.40	1.40	0.00	8.40	2.40	1.40	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:45 AM	3.00	7.00	8.40	2.20	0.00	8.40	2.30	2.20	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:00 AM	351.00	6.80	0.20	3.20	3.00	7.90	3.20	1.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:15 AM	355.00	6.50	0.20	14.10	13.90	7.90	14.10	1.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:30 AM	350.00	8.00	0.00	3.00	3.00	3.20	3.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:45 AM	355.00	6.40	0.00	2.00	2.00	3.20	2.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:00 AM	355.00	6.50	0.00	2.50	2.50	3.20	2.50	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:15 AM	353.00	6.00	0.00	2.50	2.50	1.10	2.50	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:30 AM	1.00	5.50	0.50	1.30	0.80	0.50	2.20	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:45 AM	2.00	6.40	0.80	1.20	0.40	0.80	2.00	1.20	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:00 AM	351.00	5.90	-0.10	2.30	2.40	0.80	2.30	1.10	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:15 AM	349.00	6.40	-0.10	2.70	2.80	0.00	2.70	1.20	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:30 AM	355.00	6.00	0.00	2.30	2.30	4.70	2.30	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:45 AM	355.00	6.30	0.00	2.20	2.20	0.00	2.20	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:00 AM	344.00	5.20	0.00	2.20	2.20	2.70	2.20	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:15 AM	348.00	5.80	0.00	1.80	1.80	1.90	1.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:30 AM	351.00	6.50	0.00	3.20	3.20	1.50	3.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:45 AM	355.00	6.90	0.10	2.60	2.50	0.00	2.60	1.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:00 AM	353.00	6.90	0.10	2.30	2.20	1.90	2.30	1.40	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/10/15 11:15 AM	353.00	7.30	0.20	2.20	2.00	1.90	2.20	1.60	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:30 AM	351.00	7.60	0.20	2.90	2.70	0.00	2.90	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:45 AM	354.00	7.30	0.20	2.80	2.60	1.30	2.80	1.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:00 PM	11.00	8.10	1.30	1.50	0.20	1.30	6.50	1.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:15 PM	16.00	6.00	3.60	1.60	0.00	3.60	2.90	1.60	0.40	5.90	0.00	0.00	5.90	0.00	0.00	0.00
5/10/15 12:30 PM	29.00	5.20	0.00	1.50	0.00	0.00	5.00	1.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 12:45 PM	35.00	5.60	3.00	1.60	0.00	3.00	2.90	1.60	0.50	5.70	0.00	0.00	5.70	0.00	0.00	0.00
5/10/15 1:00 PM	47.00	4.50	3.40	1.50	0.00	3.40	3.20	1.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:15 PM	30.00	5.60	9.70	1.60	0.00	9.70	3.20	1.60	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:30 PM	0.00	5.20	0.00	2.60	0.00	0.00	2.60	2.60	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 1:45 PM	351.00	5.80	0.10	1.90	1.80	1.30	1.90	1.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:00 PM	352.00	7.90	0.80	2.10	1.30	2.00	2.10	2.70	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:15 PM	349.00	7.00	0.50	2.20	1.70	10.20	2.20	2.10	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:30 PM	346.00	6.50	0.30	2.40	2.10	2.70	2.40	1.90	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 2:45 PM	351.00	6.50	0.40	2.60	2.20	6.00	2.60	1.90	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:00 PM	355.00	4.50	0.50	3.90	3.40	2.80	3.90	1.90	0.50	6.30	0.00	0.00	6.30	0.00	0.00	0.00
5/10/15 3:15 PM	25.00	4.80	2.80	2.20	0.00	2.80	2.80	2.20	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 3:30 PM	348.00	5.30	0.70	2.70	2.00	3.10	2.70	2.00	0.70	7.00	0.00	0.00	7.00	0.00	0.00	0.00
5/10/15 3:45 PM	1.00	6.10	0.00	2.00	0.00	0.00	2.80	2.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:00 PM	354.00	4.80	0.80	2.80	2.00	4.90	2.80	2.00	0.80	6.70	0.00	0.00	6.70	0.00	0.00	0.00
5/10/15 4:15 PM	9.00	4.80	3.20	1.90	0.00	3.20	3.60	1.90	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:30 PM	21.00	5.60	3.00	1.60	0.00	3.00	3.60	1.60	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 4:45 PM	28.00	5.20	2.70	1.50	0.00	2.70	2.50	1.50	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:00 PM	25.00	5.60	5.30	1.80	0.00	5.30	2.50	1.80	1.10	8.60	0.00	0.00	8.60	0.00	0.00	0.00
5/10/15 5:15 PM	30.00	5.50	16.30	1.70	0.00	16.30	3.60	1.70	0.90	4.10	0.00	0.00	4.10	0.00	0.00	0.00
5/10/15 5:30 PM	44.00	4.30	14.30	2.10	0.00	14.30	3.20	2.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 5:45 PM	39.00	3.50	4.40	3.30	0.00	4.40	3.00	3.30	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:00 PM	35.00	3.40	4.30	3.90	0.00	4.30	3.10	3.90	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:15 PM	41.00	3.90	6.10	3.10	0.00	6.10	5.50	3.10	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:30 PM	22.00	3.20	7.30	5.70	0.00	7.30	4.90	5.70	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 6:45 PM	27.00	4.00	9.20	7.20	0.00	9.20	6.90	7.20	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:00 PM	16.00	4.50	11.30	7.70	0.00	11.30	6.80	7.70	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:15 PM	52.00	3.50	10.30	8.30	0.00	10.30	8.10	8.30	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:30 PM	42.00	3.40	8.50	8.50	0.00	8.50	9.80	8.50	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 7:45 PM	35.00	3.50	6.30	16.70	10.40	6.30	10.60	16.70	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:00 PM	40.00	3.90	6.60	14.40	7.80	6.60	12.10	14.40	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:15 PM	38.00	3.20	6.10	9.40	3.30	6.10	11.80	9.40	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:30 PM	28.00	2.80	5.60	29.50	23.90	5.60	11.60	29.50	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 8:45 PM	11.00	3.00	5.70	7.30	1.60	5.70	10.90	7.30	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:00 PM	42.00	4.00	4.30	47.10	42.80	4.30	10.50	47.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:15 PM	39.00	3.50	3.60	37.90	34.30	3.60	8.80	37.90	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:30 PM	54.00	2.50	0.00	14.20	0.00	0.00	8.50	14.20	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 9:45 PM	37.00	3.20	4.60	24.40	19.80	4.60	9.00	24.40	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:00 PM	18.00	2.90	3.30	3.30	0.00	3.30	8.30	3.30	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:15 PM	45.00	2.70	4.40	45.40	41.00	4.40	9.10	45.40	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:30 PM	42.00	2.60	4.40	37.50	33.10	4.40	9.10	37.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 10:45 PM	50.00	3.70	4.50	5.80	1.30	4.50	10.30	5.80	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:00 PM	74.00	1.70	4.20	2.80	0.00	4.20	8.30	2.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:15 PM	46.00	1.20	0.00	3.00	0.00	0.00	8.90	3.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:30 PM	351.00	2.70	1.70	8.90	7.20	4.50	8.90	26.80	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/15 11:45 PM	323.00	3.10	2.60	8.70	6.10	3.60	8.70	36.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:00 AM	300.00	2.00	4.40	10.60	6.20	8.40	10.60	36.50	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:15 AM	5.00	2.10	7.10	31.10	24.00	7.10	11.00	31.10	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:30 AM	325.00	2.40	1.00	11.80	10.80	7.90	11.80	2.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:45 AM	288.00	1.60	0.90	18.20	17.30	4.80	18.20	2.30	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:00 AM	263.00	1.10	2.40	3.50	1.10	3.50	67.80	2.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:15 AM	131.00	1.40	67.80	1.50	0.00	4.20	67.80	2.40	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:30 AM	166.00	1.10	5.00	1.70	0.00	5.50	5.00	2.80	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:45 AM	174.00	1.40	16.30	1.70	0.00	5.80	16.30	3.20	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:00 AM	143.00	2.00	13.50	1.50	0.00	5.00	13.50	3.20	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:15 AM	137.00	2.30	6.10	1.50	0.00	0.00	6.10	3.20	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:30 AM	153.00	1.60	5.00	3.20	0.00	10.50	5.00	3.10	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:45 AM	144.00	2.10	6.40	3.70	0.00	12.30	6.40	3.30	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:00 AM	160.00	2.30	11.40	6.10	0.00	15.30	11.40	5.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:15 AM	136.00	3.10	13.10	6.40	0.00	25.20	13.10	7.90	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:30 AM	159.00	2.40	15.60	9.40	0.00	32.50	15.60	8.10	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:45 AM	150.00	2.10	21.60	15.20	0.00	49.80	21.60	12.40	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:00 AM	150.00	1.60	26.00	19.90	0.00	64.30	26.00	12.70	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:15 AM	148.00	2.10	19.20	18.80	0.00	49.20	19.20	14.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:30 AM	167.00	2.50	19.90	14.80	0.00	35.60	19.90	13.70	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:45 AM	164.00	2.70	17.50	11.60	0.00	31.70	17.50	13.60	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:00 AM	196.00	2.90	14.00	27.20	13.20	27.20	18.00	14.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:15 AM	161.00	2.40	16.50	9.30	0.00	20.50	16.50	12.20	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:30 AM	169.00	2.90	14.40	7.90	0.00	15.00	14.40	11.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:45 AM	169.00	2.70	13.50	6.20	0.00	15.90	13.50	10.90	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:00 AM	172.00	2.90	12.90	4.60	0.00	13.80	12.90	10.50	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:15 AM	194.00	3.30	11.50	12.80	1.30	12.80	12.30	11.50	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:30 AM	183.00	3.00	13.00	10.90	0.00	10.90	11.70	13.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:45 AM	192.00	3.90	13.10	10.10	0.00	10.10	11.30	13.10	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:00 AM	186.00	5.00	12.80	10.30	0.00	10.30	11.20	12.80	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:15 AM	190.00	5.80	13.20	9.20	0.00	9.20	10.70	13.20	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:30 AM	203.00	3.90	11.10	8.80	0.00	8.80	10.60	11.10	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:45 AM	207.00	5.50	10.00	7.40	0.00	7.40	10.10	10.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:00 AM	205.00	4.50	9.40	0.00	0.00	0.00	10.00	9.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:15 AM	218.00	5.40	9.70	7.60	0.00	7.60	10.50	9.70	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:30 AM	236.00	5.40	9.30	7.10	0.00	7.10	10.30	9.30	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:45 AM	231.00	5.60	9.00	7.60	0.00	7.60	10.60	9.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:00 AM	236.00	5.50	9.20	8.60	0.00	8.60	11.00	9.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:15 AM	232.00	5.40	10.20	9.10	0.00	9.10	11.70	10.20	2.90	0.00	0.00	0.00	2.00	0.00	0.00	0.00
5/11/15 9:30 AM	221.00	4.10	9.80	8.70	0.00	8.70	11.60	9.80	2.90	0.00	4.10	4.10	4.10	0.00	0.00	0.00
5/11/15 9:45 AM	201.00	3.90	9.60	8.30	0.00	8.30	11.20	9.60	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:00 AM	208.00	5.00	9.00	8.10	0.00	8.10	11.10	9.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:15 AM	183.00	4.30	7.80	8.30	0.50	8.30	10.50	7.80	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:30 AM	181.00	4.00	6.90	7.80	0.90	7.80	9.60	6.90	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:45 AM	189.00	3.90	6.70	7.80	1.10	7.80	9.70	6.70	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:00 AM	173.00	4.10	9.90	3.70	0.00	7.90	9.90	7.10	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:15 AM	187.00	4.20	6.90	9.40	2.50	9.40	11.40	6.90	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:30 AM	178.00	5.50	11.10	4.20	0.00	9.70	11.10	8.20	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:45 AM	178.00	5.90	10.20	3.80	0.00	8.20	10.20	8.20	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:00 PM	180.00	3.90	7.50	6.90	0.00	6.90	10.00	7.50	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:15 PM	178.00	5.90	11.00	2.10	0.00	6.00	11.00	6.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/11/15 12:30 PM	194.00	5.60	5.80	0.00	0.00	0.00	10.60	5.80	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 12:45 PM	198.00	5.90	6.80	0.00	0.00	0.00	11.30	6.80	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:00 PM	191.00	7.20	6.60	5.30	0.00	5.30	11.50	6.60	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:15 PM	194.00	7.50	6.60	5.30	0.00	5.30	11.80	6.60	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:30 PM	206.00	7.30	6.50	5.00	0.00	5.00	11.40	6.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 1:45 PM	198.00	7.00	5.30	5.80	0.50	5.80	10.40	5.30	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:00 PM	203.00	9.50	5.30	0.00	0.00	0.00	10.00	5.30	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:15 PM	184.00	6.60	4.50	3.60	0.00	3.60	9.30	4.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:30 PM	197.00	8.10	3.80	3.60	0.00	3.60	8.80	3.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 2:45 PM	216.00	7.60	3.30	3.90	0.60	3.90	7.70	3.30	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:00 PM	203.00	10.40	2.40	3.50	1.10	3.50	7.60	2.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:15 PM	214.00	5.90	1.90	3.30	1.40	3.30	7.40	1.90	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:30 PM	203.00	6.80	1.70	0.00	0.00	0.00	7.30	1.70	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 3:45 PM	213.00	7.60	1.20	3.60	2.40	3.60	6.60	1.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:00 PM	236.00	9.80	1.00	0.00	0.00	0.00	6.60	1.00	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:15 PM	224.00	4.40	0.70	4.40	3.70	4.40	5.70	0.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:30 PM	223.00	6.20	0.60	4.50	3.90	4.50	5.70	0.60	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 4:45 PM	228.00	6.60	0.60	0.00	0.00	0.00	6.80	0.60	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:00 PM	213.00	5.20	0.70	5.60	4.90	5.60	8.60	0.70	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:15 PM	223.00	6.30	1.80	6.40	4.60	6.40	11.20	1.80	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:30 PM	250.00	8.80	2.50	5.50	3.00	5.50	12.00	2.50	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 5:45 PM	234.00	6.50	3.70	7.00	3.30	7.00	14.00	3.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:00 PM	235.00	9.00	3.50	5.70	2.20	5.70	14.80	3.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:15 PM	229.00	8.60	2.90	5.90	3.00	5.90	15.40	2.90	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:30 PM	233.00	8.20	2.50	6.00	3.50	6.00	17.00	2.50	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 6:45 PM	251.00	9.50	1.40	5.80	4.40	5.80	14.90	1.40	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:00 PM	252.00	6.90	0.40	5.60	5.20	5.60	14.10	0.40	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:15 PM	242.00	8.20	0.30	5.00	4.70	5.00	13.90	0.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:30 PM	239.00	8.40	0.40	5.70	5.30	5.70	14.20	0.40	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 7:45 PM	261.00	6.70	0.40	6.30	5.90	6.30	14.90	0.40	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:00 PM	269.00	6.20	0.40	5.20	4.80	5.20	13.10	0.40	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:15 PM	256.00	7.10	0.40	0.00	0.00	0.00	13.50	0.40	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:30 PM	258.00	7.50	0.50	6.00	5.50	6.00	12.40	0.50	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 8:45 PM	277.00	6.90	2.70	12.40	9.70	6.40	12.40	0.60	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:00 PM	279.00	9.10	3.70	12.20	8.50	6.90	12.20	0.50	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:15 PM	281.00	8.30	2.10	12.20	10.10	0.00	12.20	0.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:30 PM	253.00	8.40	0.60	5.80	5.20	5.80	12.80	0.60	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 9:45 PM	258.00	6.80	0.70	6.80	6.10	6.80	13.30	0.70	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:00 PM	260.00	6.10	0.90	8.70	7.80	8.70	15.30	0.90	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:15 PM	257.00	7.30	0.90	0.00	0.00	0.00	15.30	0.90	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:30 PM	264.00	5.10	1.10	6.30	5.20	6.30	11.90	1.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 10:45 PM	258.00	6.60	1.20	6.80	5.60	6.80	12.00	1.20	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:00 PM	260.00	7.00	1.30	6.70	5.40	6.70	10.80	1.30	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:15 PM	267.00	6.30	1.50	7.00	5.50	7.00	10.90	1.50	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:30 PM	246.00	9.60	1.50	7.00	5.50	7.00	10.50	1.50	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/15 11:45 PM	259.00	6.20	1.70	7.70	6.00	7.70	10.10	1.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:00 AM	256.00	8.70	1.70	0.00	0.00	0.00	9.60	1.70	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:15 AM	259.00	7.40	1.90	5.10	3.20	5.10	9.60	1.90	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:30 AM	254.00	10.80	1.90	4.40	2.50	4.40	9.60	1.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:45 AM	241.00	7.60	1.90	4.40	2.50	4.40	9.00	1.90	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:00 AM	256.00	5.90	2.20	0.00	0.00	0.00	9.20	2.20	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:15 AM	244.00	9.20	2.10	4.00	1.90	4.00	9.10	2.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:30 AM	244.00	8.80	2.00	4.00	2.00	4.00	9.10	2.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:45 AM	237.00	7.50	2.00	0.00	0.00	0.00	8.60	2.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:00 AM	235.00	6.90	1.80	3.10	1.30	3.10	7.70	1.80	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:15 AM	244.00	7.50	2.10	2.70	0.60	2.70	8.60	2.10	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:30 AM	250.00	6.60	2.10	4.50	2.40	4.50	8.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:45 AM	242.00	7.50	2.10	4.10	2.00	4.10	8.30	2.10	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:00 AM	240.00	7.60	2.70	4.40	1.70	4.40	8.80	2.70	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:15 AM	242.00	7.20	2.80	4.60	1.80	4.60	8.50	2.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:30 AM	237.00	7.30	3.00	4.20	1.20	4.20	9.20	3.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:45 AM	254.00	7.40	3.00	3.60	0.60	3.60	8.50	3.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:00 AM	255.00	5.50	3.00	3.40	0.40	3.40	9.30	3.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:15 AM	251.00	6.40	3.30	0.00	0.00	0.00	8.80	3.30	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:30 AM	252.00	8.10	3.80	3.50	0.00	3.50	8.90	3.80	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:45 AM	253.00	5.90	3.70	0.00	0.00	0.00	9.60	3.70	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:00 AM	269.00	5.40	3.40	3.90	0.50	3.90	8.20	3.40	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:15 AM	254.00	8.00	2.90	2.70	0.00	2.70	7.50	2.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:30 AM	265.00	7.80	2.90	0.00	0.00	0.00	7.20	2.90	-0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:45 AM	261.00	6.20	2.90	2.40	0.00	2.40	6.60	2.90	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:00 AM	268.00	5.00	2.70	2.20	0.00	2.20	6.80	2.70	-0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:15 AM	258.00	6.50	3.80	2.10	0.00	2.10	6.70	3.80	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:30 AM	267.00	10.20	5.20	0.00	0.00	0.00	6.90	5.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:45 AM	256.00	7.40	4.80	2.90	0.00	2.90	6.80	4.80	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:00 AM	258.00	7.30	5.50	2.90	0.00	2.90	6.70	5.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:15 AM	255.00	6.20	5.70	3.20	0.00	3.20	7.40	5.70	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:30 AM	254.00	8.30	5.80	2.00	0.00	2.00	7.30	5.80	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:45 AM	246.00	8.80	5.30	2.20	0.00	2.20	6.40	5.30	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:00 AM	260.00	7.30	5.20	2.20	0.00	2.20	6.10	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:15 AM	248.00	6.50	5.30	2.50	0.00	2.50	6.10	5.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:30 AM	249.00	9.20	6.20	3.20	0.00	3.20	6.70	6.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:45 AM	259.00	9.60	5.10	3.40	0.00	3.40	6.20	5.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:00 AM	254.00	8.00	5.10	2.90	0.00	2.90	6.20	5.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:15 AM	250.00	8.30	5.30	3.40	0.00	3.40	6.20	5.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:30 AM	264.00	8.20	5.10	0.00	0.00	0.00	6.80	5.10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:45 AM	252.00	7.50	5.10	2.90	0.00	2.90	6.50	5.10	-0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:00 AM	257.00	6.70	5.30	4.00	0.00	4.00	6.40	5.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:15 AM	258.00	7.00	5.00	3.00	0.00	3.00	6.30	5.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:30 AM	272.00	7.20	-0.30	6.20	6.50	2.60	6.20	5.50	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:45 AM	253.00	8.20	5.30	2.20	0.00	2.20	6.20	5.30	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:00 AM	256.00	7.40	4.40	2.30	0.00	2.30	5.60	4.40	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:15 AM	261.00	7.50	4.50	0.00	0.00	0.00	5.70	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:30 AM	260.00	8.00	4.80	2.20	0.00	2.20	5.90	4.80	-0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:45 AM	258.00	7.20	4.50	1.90	0.00	1.90	5.40	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:00 PM	266.00	5.50	4.10	2.50	0.00	2.50	5.20	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:15 PM	254.00	6.30	4.70	2.30	0.00	2.30	5.40	4.70	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:30 PM	276.00	6.10	-0.30	6.10	6.40	2.50	6.10	4.40	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 12:45 PM	276.00	8.00	0.00	5.70	5.70	2.50	5.70	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:00 PM	302.00	7.20	0.50	5.70	5.20	2.50	5.70	4.60	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:15 PM	285.00	9.00	0.50	5.90	5.40	2.30	5.90	4.70	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 1:30 PM	293.00	8.50	1.30	5.70	4.40	2.30	5.70	4.90	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/12/15 1:45 PM	271.00	6.90	1.10	6.00	4.90	2.30	6.00	5.20	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:00 PM	285.00	6.40	1.10	6.70	5.60	2.70	6.70	5.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:15 PM	269.00	4.60	5.70	3.40	0.00	3.40	6.10	5.70	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:30 PM	273.00	6.30	1.10	6.00	4.90	0.00	6.00	5.40	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 2:45 PM	270.00	5.40	1.20	6.10	4.90	0.00	6.10	5.70	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:00 PM	290.00	6.10	3.20	6.60	3.40	4.90	6.60	5.90	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:15 PM	274.00	6.80	2.40	5.90	3.50	5.30	5.90	6.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:30 PM	270.00	5.90	1.60	6.80	5.20	3.60	6.80	7.10	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 3:45 PM	284.00	5.70	1.90	6.60	4.70	4.50	6.60	5.50	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:00 PM	268.00	4.60	5.60	4.20	0.00	4.20	6.20	5.60	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:15 PM	271.00	5.00	2.20	6.10	3.90	3.60	6.10	5.50	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:30 PM	265.00	4.60	5.40	3.90	0.00	3.90	6.00	5.40	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 4:45 PM	256.00	4.60	5.70	3.90	0.00	3.90	6.30	5.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:00 PM	285.00	4.80	0.80	6.00	5.20	3.60	6.00	5.70	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:15 PM	278.00	5.90	2.40	6.20	3.80	3.50	6.20	5.60	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:30 PM	265.00	4.20	6.30	6.30	0.00	6.30	6.70	6.30	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 5:45 PM	276.00	5.80	1.90	6.30	4.40	3.70	6.30	5.60	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:00 PM	303.00	4.60	1.90	6.50	4.60	3.80	6.50	5.50	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:15 PM	308.00	4.40	1.20	6.00	4.80	3.20	6.00	5.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:30 PM	310.00	6.20	1.20	6.40	5.20	3.50	6.40	5.40	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 6:45 PM	324.00	6.30	1.20	6.30	5.10	4.80	6.30	5.60	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:00 PM	313.00	5.50	1.20	6.20	5.00	3.90	6.20	5.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:15 PM	308.00	4.60	2.90	7.40	4.50	4.20	7.40	6.30	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:30 PM	298.00	5.50	3.70	9.50	5.80	6.30	9.50	7.50	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 7:45 PM	300.00	7.00	1.60	8.90	7.30	4.70	8.90	6.80	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:00 PM	306.00	4.80	1.70	8.00	6.30	5.20	8.00	6.80	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:15 PM	320.00	5.20	1.90	8.60	6.70	4.20	8.60	7.50	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:30 PM	321.00	3.30	2.90	8.60	5.70	0.00	8.60	7.70	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 8:45 PM	312.00	3.80	2.10	8.20	6.10	7.00	8.20	7.90	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:00 PM	313.00	3.70	1.30	8.40	7.10	7.20	8.40	9.90	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:15 PM	312.00	3.60	3.40	8.50	5.10	0.00	8.50	9.90	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:30 PM	333.00	3.50	1.90	8.50	6.60	6.40	8.50	8.40	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 9:45 PM	350.00	4.60	2.70	9.30	6.60	6.80	9.30	8.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:00 PM	351.00	4.90	3.50	10.00	6.50	8.20	10.00	9.80	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:15 PM	349.00	5.60	4.10	10.70	6.60	9.40	10.70	10.50	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:30 PM	342.00	4.40	3.30	8.80	5.50	0.00	8.80	9.70	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 10:45 PM	345.00	4.20	1.80	8.10	6.30	5.30	8.10	8.40	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:00 PM	326.00	4.10	0.60	7.50	6.90	4.80	7.50	7.90	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:15 PM	327.00	4.00	1.50	7.80	6.30	4.90	7.80	7.90	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:30 PM	323.00	4.70	0.40	7.40	7.00	4.50	7.40	7.60	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/15 11:45 PM	322.00	3.70	0.40	7.90	7.50	0.00	7.90	6.80	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:00 AM	308.00	2.80	0.30	7.10	6.80	4.20	7.10	7.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:15 AM	327.00	3.40	0.50	6.80	6.30	4.00	6.80	7.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:30 AM	317.00	3.40	0.50	6.60	6.10	4.10	6.60	6.80	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:45 AM	289.00	2.10	1.10	6.90	5.80	5.10	6.90	7.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:00 AM	300.00	2.00	0.90	7.30	6.40	0.00	7.30	6.80	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:15 AM	297.00	2.10	1.00	7.10	6.10	5.20	7.10	6.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:30 AM	283.00	2.30	0.90	7.10	6.20	0.00	7.10	6.60	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:45 AM	274.00	2.10	0.80	6.90	6.10	5.30	6.90	6.30	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:00 AM	307.00	2.40	3.30	6.60	3.30	6.90	6.60	8.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:15 AM	303.00	2.40	2.30	8.70	6.40	7.00	8.70	8.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:30 AM	291.00	2.40	3.60	8.00	4.40	6.30	8.00	9.10	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:45 AM	290.00	2.10	3.50	9.70	6.20	5.90	9.70	10.30	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:00 AM	313.00	3.00	3.90	9.80	5.90	6.20	9.80	9.40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:15 AM	312.00	3.60	3.80	10.10	6.30	6.20	10.10	11.90	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:30 AM	323.00	3.40	3.90	10.00	6.10	0.00	10.00	11.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:45 AM	344.00	4.00	2.60	10.70	8.10	5.50	10.70	11.70	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:00 AM	358.00	10.50	3.50	10.30	6.80	7.40	10.30	12.60	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:15 AM	349.00	7.40	4.00	10.00	6.00	6.50	10.00	12.60	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:30 AM	4.00	7.60	8.00	10.40	2.40	8.00	9.40	10.40	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:45 AM	19.00	9.40	0.00	10.10	0.00	0.00	9.20	10.10	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:00 AM	17.00	7.60	0.00	7.80	0.00	0.00	6.70	7.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:15 AM	22.00	6.80	4.70	8.30	3.60	4.70	7.00	8.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:30 AM	19.00	7.60	0.00	7.70	0.00	0.00	7.00	7.70	-0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:45 AM	27.00	7.90	7.60	8.10	0.50	7.60	5.90	8.10	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:00 AM	31.00	6.90	3.20	14.10	10.90	3.20	5.90	14.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:15 AM	27.00	6.00	3.60	13.60	10.00	3.60	5.60	13.60	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:30 AM	22.00	8.00	0.00	12.60	0.00	0.00	5.60	12.60	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:45 AM	33.00	7.70	3.20	11.40	8.20	3.20	5.00	11.40	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:00 AM	30.00	7.40	1.60	10.70	9.10	1.60	5.60	10.70	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:15 AM	38.00	7.80	1.60	7.00	5.40	1.60	5.00	7.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:30 AM	34.00	8.30	0.00	6.10	0.00	0.00	4.80	6.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:45 AM	33.00	9.10	0.00	6.10	0.00	0.00	5.00	6.10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:00 AM	35.00	8.50	2.10	8.90	6.80	2.10	6.60	8.90	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:15 AM	28.00	10.10	1.80	10.40	8.60	1.80	6.30	10.40	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:30 AM	32.00	8.70	0.00	8.20	0.00	0.00	6.70	8.20	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:45 AM	28.00	7.60	2.60	6.10	3.50	2.60	10.10	6.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:00 AM	36.00	8.90	0.00	5.40	0.00	0.00	7.30	5.40	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:15 AM	32.00	8.00	3.20	5.40	2.20	3.20	8.60	5.40	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:30 AM	44.00	7.50	6.20	7.80	1.60	6.20	8.80	7.80	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:45 AM	37.00	8.90	6.80	8.30	1.50	6.80	10.30	8.30	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:00 AM	44.00	9.10	0.00	12.20	0.00	0.00	8.60	12.20	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:15 AM	29.00	8.20	10.00	8.40	0.00	10.00	9.00	8.40	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:30 AM	16.00	7.10	4.10	5.90	1.80	4.10	9.10	5.90	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:45 AM	8.00	7.40	4.20	7.60	3.40	4.20	8.80	7.60	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:00 AM	33.00	6.30	2.80	6.20	3.40	2.80	11.50	6.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:15 AM	30.00	8.20	3.90	6.30	2.40	3.90	10.30	6.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:30 AM	37.00	6.80	3.90	7.00	3.10	3.90	11.80	7.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:45 AM	10.00	9.80	0.00	6.00	0.00	0.00	10.50	6.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:00 PM	36.00	6.70	2.40	6.70	4.30	2.40	12.10	6.70	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:15 PM	30.00	7.70	0.00	5.80	0.00	0.00	7.20	5.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:30 PM	28.00	7.00	2.70	6.10	3.40	2.70	10.70	6.10	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 12:45 PM	34.00	5.80	3.50	6.20	2.70	3.50	7.20	6.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:00 PM	28.00	6.60	5.30	6.30	1.00	5.30	7.20	6.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:15 PM	27.00	5.30	2.50	5.60	3.10	2.50	8.10	5.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:30 PM	28.00	6.50	3.90	5.60	1.70	3.90	10.70	5.60	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 1:45 PM	23.00	4.50	2.60	6.20	3.60	2.60	8.50	6.20	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:00 PM	11.00	6.30	4.40	6.90	2.50	4.40	13.60	6.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:15 PM	35.00	4.70	4.40	6.30	1.90	4.40	9.30	6.30	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:30 PM	14.00	6.20	3.00	6.70	3.70	3.00	11.10	6.70	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 2:45 PM	54.00	5.60	2.90	5.70	2.80	2.90	9.50	5.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/13/15 3:00 PM	13.00	5.20	2.50	6.10	3.60	2.50	9.60	6.10	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:15 PM	18.00	7.00	2.50	6.00	3.50	2.50	9.60	6.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:30 PM	19.00	5.90	9.60	6.60	0.00	9.60	8.10	6.60	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 3:45 PM	24.00	5.60	4.80	6.50	1.70	4.80	9.40	6.50	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:00 PM	8.00	5.70	4.20	5.60	1.40	4.20	9.40	5.60	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:15 PM	21.00	3.50	4.20	5.80	1.60	4.20	7.70	5.80	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:30 PM	24.00	4.90	4.00	7.70	3.70	4.00	9.40	7.70	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 4:45 PM	14.00	5.20	5.90	9.20	3.30	5.90	9.10	9.20	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:00 PM	4.00	6.70	6.80	8.30	1.50	6.80	8.10	8.30	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:15 PM	5.00	6.50	11.90	6.00	0.00	11.90	7.30	6.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:30 PM	23.00	5.90	2.90	5.10	2.20	2.90	7.50	5.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 5:45 PM	29.00	5.30	4.00	5.50	1.50	4.00	8.50	5.50	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:00 PM	28.00	5.10	7.80	5.20	0.00	7.80	8.20	5.20	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:15 PM	26.00	6.30	4.30	4.90	0.60	4.30	8.50	4.90	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:30 PM	24.00	5.90	3.10	5.00	1.90	3.10	5.80	5.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 6:45 PM	36.00	5.50	2.90	4.80	1.90	2.90	6.90	4.80	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:00 PM	38.00	5.70	4.20	5.10	0.90	4.20	6.90	5.10	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:15 PM	40.00	5.70	3.00	5.60	2.60	3.00	7.70	5.60	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:30 PM	44.00	5.80	3.20	6.40	3.20	3.20	10.50	6.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 7:45 PM	39.00	5.40	3.40	7.70	4.30	3.40	9.40	7.70	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:00 PM	41.00	4.40	5.00	7.00	2.00	5.00	8.70	7.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:15 PM	41.00	5.30	4.10	7.30	3.20	4.10	9.80	7.30	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:30 PM	35.00	5.50	4.60	7.60	3.00	4.60	9.50	7.60	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 8:45 PM	39.00	4.90	3.60	8.80	5.20	3.60	9.30	8.80	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:00 PM	36.00	5.20	3.60	8.80	5.20	3.60	11.40	8.80	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:15 PM	36.00	5.30	5.60	10.00	4.40	5.60	14.30	10.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:30 PM	38.00	5.30	5.60	9.10	3.50	5.60	10.20	9.10	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 9:45 PM	34.00	5.20	3.80	9.10	5.30	3.80	10.30	9.10	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:00 PM	41.00	4.40	4.20	8.20	4.00	4.20	10.00	8.20	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:15 PM	43.00	3.40	5.10	8.90	3.80	5.10	9.80	8.90	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:30 PM	30.00	3.90	5.70	10.20	4.50	5.70	9.50	10.20	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 10:45 PM	60.00	2.60	7.30	9.20	1.90	7.30	11.70	9.20	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:00 PM	62.00	2.80	4.80	8.00	3.20	4.80	11.70	8.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:15 PM	65.00	2.50	8.90	9.20	0.30	8.90	14.70	9.20	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:30 PM	59.00	2.80	14.10	9.00	0.00	14.10	13.00	9.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/15 11:45 PM	58.00	3.40	0.00	12.90	0.00	0.00	21.20	12.90	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:00 AM	62.00	4.60	0.00	12.00	0.00	0.00	26.60	12.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:15 AM	59.00	4.50	15.40	16.20	0.80	15.40	48.20	16.20	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:30 AM	55.00	3.30	0.00	30.80	0.00	0.00	37.90	30.80	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:45 AM	54.00	3.40	111.80	0.00	0.00	111.80	52.40	0.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:00 AM	58.00	3.20	87.10	48.40	0.00	87.10	31.80	48.40	38.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:15 AM	54.00	2.90	87.10	21.90	0.00	87.10	19.20	21.90	82.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:30 AM	53.00	2.40	0.00	16.30	0.00	0.00	19.20	16.30	80.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:45 AM	69.00	2.30	82.70	15.60	0.00	82.70	17.60	15.60	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:00 AM	77.00	1.90	63.80	13.20	0.00	63.80	13.40	13.20	61.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:15 AM	40.00	2.10	66.20	13.60	0.00	66.20	16.30	13.60	79.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:30 AM	126.00	2.50	23.80	75.60	51.80	20.00	23.80	15.60	75.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:45 AM	124.00	2.80	15.80	6.40	0.00	9.80	15.80	17.20	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:00 AM	115.00	3.40	15.50	5.90	0.00	12.20	15.50	16.10	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:15 AM	127.00	3.40	15.90	3.40	0.00	5.60	15.90	16.60	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:30 AM	120.00	3.50	17.30	3.30	0.00	5.00	17.30	17.50	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:45 AM	119.00	2.60	18.00	3.20	0.00	6.70	18.00	17.60	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:00 AM	116.00	3.30	19.20	3.40	0.00	8.50	19.20	19.80	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:15 AM	114.00	3.40	20.60	4.70	0.00	10.50	20.60	19.90	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:30 AM	119.00	3.50	18.70	5.50	0.00	9.80	18.70	19.20	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:45 AM	116.00	4.20	18.30	6.50	0.00	11.40	18.30	17.60	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:00 AM	122.00	5.00	18.40	7.10	0.00	10.00	18.40	17.60	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:15 AM	138.00	3.70	18.30	8.90	0.00	13.40	18.30	18.40	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:30 AM	153.00	4.90	18.20	10.30	0.00	11.40	18.20	19.10	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:45 AM	149.00	4.90	19.30	16.30	0.00	17.00	19.30	19.90	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:00 AM	153.00	4.50	20.30	12.40	0.00	19.30	20.30	21.30	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:15 AM	149.00	5.90	21.50	12.60	0.00	16.00	21.50	21.30	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:30 AM	158.00	5.70	23.60	10.80	0.00	17.10	23.60	19.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:45 AM	160.00	5.10	21.70	11.00	0.00	18.30	21.70	18.70	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:00 AM	152.00	5.60	21.00	11.40	0.00	17.90	21.00	18.80	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:15 AM	154.00	4.10	18.80	9.10	0.00	15.90	18.80	19.40	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:30 AM	0.00	0.00	0.00	0.00	0.00	18.30	17.70	17.20	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:45 AM	143.00	7.30	20.70	9.80	0.00	20.10	20.70	15.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:00 AM	152.00	6.00	16.60	8.80	0.00	16.00	16.60	14.60	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:15 AM	153.00	4.40	16.60	9.50	0.00	21.30	16.60	14.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:30 AM	162.00	4.30	17.90	9.20	0.00	23.70	17.90	14.10	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:45 AM	139.00	5.20	17.70	9.40	0.00	19.60	17.70	12.70	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:00 AM	135.00	6.10	17.30	9.10	0.00	19.60	17.30	12.40	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:15 AM	153.00	4.70	16.80	8.20	0.00	24.80	16.80	13.50	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:30 AM	157.00	5.80	18.20	8.90	0.00	16.70	18.20	12.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:45 AM	162.00	6.10	18.20	9.70	0.00	14.90	18.20	12.50	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:00 AM	137.00	4.90	18.60	10.10	0.00	15.10	18.60	12.50	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:15 AM	154.00	4.90	18.20	6.90	0.00	16.40	18.20	11.70	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:30 AM	161.00	4.40	16.50	6.60	0.00	14.70	16.50	11.60	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:45 AM	143.00	3.30	19.60	7.50	0.00	11.30	19.60	10.60	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:00 AM	153.00	3.90	23.90	6.60	0.00	12.60	23.90	10.30	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:15 AM	138.00	7.10	17.80	5.90	0.00	19.00	17.80	13.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:30 AM	128.00	4.40	16.80	6.10	0.00	13.80	16.80	9.90	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:45 AM	118.00	5.80	16.50	6.70	0.00	12.10	16.50	10.30	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:00 PM	169.00	6.20	17.10	5.80	0.00	10.80	17.10	12.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:15 PM	141.00	5.50	15.60	6.80	0.00	19.60	15.60	10.90	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:30 PM	164.00	3.90	27.40	6.50	0.00	14.00	27.40	10.70	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 12:45 PM	0.00	0.00	0.00	0.00	0.00	16.70	28.00	10.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:00 PM	174.00	5.60	40.10	7.40	0.00	16.90	40.10	11.10	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:15 PM	151.00	6.00	54.40	6.50	0.00	0.00	54.40	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:30 PM	134.00	5.40	25.00	7.40	0.00	21.30	25.00	10.90	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 1:45 PM	140.00	4.60	48.60	7.40	0.00	24.10	48.60	10.60	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:00 PM	129.00	4.10	33.30	8.20	0.00	16.90	33.30	10.90	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:15 PM	136.00	5.60	31.60	9.40	0.00	17.20	31.60	11.30	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:30 PM	149.00	4.70	36.40	9.50	0.00	29.60	36.40	18.70	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 2:45 PM	131.00	6.50	36.40	11.00	0.00	22.30	36.40	14.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:00 PM	148.00	5.40	22.80	16.50	0.00	19.00	22.80	12.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:15 PM	152.00	5.50	49.00	11.00	0.00	25.00	49.00	12.50	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:30 PM	142.00	6.60	54.30	11.90	0.00	29.00	54.30	12.60	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 3:45 PM	144.00	4.60	34.90	13.90	0.00	19.50	34.90	13.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:00 PM	158.00	5.30	34.30	9.40	0.00	20.50	34.30	12.30	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/14/15 4:15 PM	152.00	5.40	30.70	10.20	0.00	0.00	30.70	12.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:30 PM	140.00	5.50	25.20	9.50	0.00	21.70	25.20	12.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 4:45 PM	161.00	6.20	22.20	9.80	0.00	18.40	22.20	11.30	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:00 PM	130.00	6.30	57.90	9.10	0.00	21.80	57.90	11.60	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:15 PM	154.00	5.30	57.90	8.80	0.00	15.80	57.90	11.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:30 PM	132.00	5.70	30.30	11.30	0.00	19.10	30.30	12.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 5:45 PM	164.00	5.50	56.20	12.70	0.00	0.00	56.20	13.20	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:00 PM	150.00	7.00	68.20	11.10	0.00	19.50	68.20	12.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:15 PM	165.00	5.60	35.40	12.40	0.00	19.20	35.40	12.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:30 PM	151.00	4.80	28.50	10.60	0.00	19.30	28.50	13.10	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 6:45 PM	164.00	3.00	23.30	10.50	0.00	19.30	23.30	12.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:00 PM	136.00	2.70	20.70	9.80	0.00	17.80	20.70	12.40	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:15 PM	213.00	1.90	12.70	20.70	8.00	20.70	22.30	12.70	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:30 PM	202.00	1.30	13.20	20.90	7.70	20.90	38.90	13.20	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 7:45 PM	161.00	1.20	21.80	10.10	0.00	17.70	21.80	13.30	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:00 PM	128.00	2.50	25.20	11.50	0.00	20.50	25.20	14.50	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:15 PM	118.00	2.60	25.20	8.60	0.00	20.60	25.20	14.40	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:30 PM	120.00	2.90	24.30	7.80	0.00	17.00	24.30	16.40	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 8:45 PM	121.00	2.20	31.00	8.30	0.00	17.40	31.00	17.90	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:00 PM	118.00	2.30	28.20	9.60	0.00	19.90	28.20	22.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:15 PM	116.00	3.20	30.50	10.10	0.00	21.80	30.50	23.50	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:30 PM	117.00	3.90	32.60	9.10	0.00	19.20	32.60	25.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 9:45 PM	122.00	4.70	31.50	9.80	0.00	21.70	31.50	27.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:00 PM	128.00	3.70	29.20	9.00	0.00	22.20	29.20	38.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:15 PM	141.00	5.30	31.30	8.40	0.00	19.10	31.30	25.90	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:30 PM	154.00	4.70	33.20	10.40	0.00	21.60	33.20	25.20	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 10:45 PM	153.00	4.80	31.10	11.00	0.00	31.40	31.10	25.60	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:00 PM	163.00	4.70	33.70	11.30	0.00	19.80	33.70	25.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:15 PM	164.00	5.00	27.00	10.80	0.00	18.70	27.00	22.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:30 PM	188.00	4.40	20.60	16.70	0.00	16.70	24.60	20.60	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/15 11:45 PM	162.00	4.20	24.50	10.60	0.00	17.10	24.50	23.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:00 AM	181.00	4.60	21.40	18.70	0.00	18.70	30.70	21.40	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:15 AM	177.00	6.10	22.40	9.10	0.00	20.80	22.40	18.70	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:30 AM	175.00	7.40	22.70	8.40	0.00	15.00	22.70	18.70	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:45 AM	180.00	5.20	18.60	15.20	0.00	15.20	23.10	18.60	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:00 AM	174.00	6.50	21.10	7.90	0.00	16.30	21.10	18.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:15 AM	172.00	4.40	21.40	7.50	0.00	14.80	21.40	18.40	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:30 AM	171.00	5.00	20.50	6.90	0.00	14.10	20.50	19.10	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:45 AM	168.00	6.00	21.00	6.80	0.00	0.00	21.00	21.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:00 AM	170.00	7.30	21.90	7.10	0.00	13.80	21.90	23.40	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:15 AM	174.00	6.90	22.40	6.70	0.00	13.90	22.40	24.00	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:30 AM	171.00	6.70	23.20	6.80	0.00	14.80	23.20	25.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:45 AM	186.00	7.40	30.40	15.20	0.00	15.20	25.50	30.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:00 AM	175.00	6.80	27.60	7.20	0.00	16.30	27.60	31.90	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:15 AM	179.00	5.10	27.50	7.60	0.00	17.10	27.50	32.60	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:30 AM	165.00	6.50	27.70	7.90	0.00	17.40	27.70	33.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:45 AM	177.00	6.00	27.90	8.00	0.00	18.00	27.90	33.30	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:00 AM	177.00	5.20	27.60	8.20	0.00	18.60	27.60	33.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:15 AM	190.00	6.70	32.20	19.10	0.00	19.10	28.70	32.20	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:30 AM	191.00	4.70	32.40	0.00	0.00	0.00	29.30	32.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:45 AM	210.00	4.40	33.00	20.10	0.00	20.10	29.90	33.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:00 AM	182.00	4.20	32.80	21.30	0.00	21.30	30.10	32.80	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:15 AM	187.00	3.70	31.50	21.60	0.00	21.60	29.80	31.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:30 AM	189.00	4.90	30.50	20.80	0.00	20.80	28.50	30.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:45 AM	190.00	4.80	30.10	21.60	0.00	21.60	28.50	30.10	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:00 AM	193.00	5.00	29.20	20.40	0.00	20.40	26.60	29.20	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:15 AM	202.00	3.70	28.30	20.60	0.00	20.60	26.70	28.30	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:30 AM	188.00	4.20	27.10	20.80	0.00	20.80	25.40	27.10	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:45 AM	196.00	4.60	26.60	20.30	0.00	20.30	24.90	26.60	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:00 AM	214.00	3.60	25.80	21.60	0.00	21.60	24.70	25.80	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:15 AM	198.00	4.30	25.50	21.60	0.00	21.60	23.90	25.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:30 AM	197.00	4.60	25.10	22.20	0.00	22.20	23.50	25.10	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:45 AM	193.00	4.40	24.70	21.20	0.00	21.20	23.30	24.70	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:00 AM	210.00	3.10	24.60	22.00	0.00	22.00	23.50	24.60	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:15 AM	0.00	0.00	0.00	0.00	0.00	23.30	23.90	24.40	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:30 AM	207.00	4.50	23.80	22.90	0.00	22.90	23.90	23.80	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:45 AM	204.00	4.00	22.90	23.00	0.10	23.00	23.40	22.90	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:00 AM	188.00	4.50	21.70	23.60	1.90	23.60	22.80	21.70	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:15 AM	187.00	3.70	21.20	24.00	2.80	24.00	22.60	21.20	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:30 AM	202.00	3.50	21.10	24.20	3.10	24.20	22.70	21.10	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:45 AM	189.00	5.00	21.20	24.60	3.40	24.60	23.50	21.20	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:00 AM	213.00	5.20	21.80	26.40	4.60	26.40	25.20	21.80	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:15 AM	213.00	4.40	22.90	30.10	7.20	30.10	26.90	22.90	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:30 AM	235.00	3.40	21.00	26.80	5.80	26.80	25.50	21.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:45 AM	238.00	4.70	20.50	25.90	5.40	25.90	24.90	20.50	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:00 AM	222.00	5.00	20.80	29.40	8.60	29.40	26.60	20.80	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:15 AM	240.00	6.20	19.70	28.50	8.80	28.50	25.30	19.70	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:30 AM	255.00	4.80	18.90	28.00	9.10	28.00	24.70	18.90	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:45 AM	231.00	4.80	18.40	26.80	8.40	26.80	23.40	18.40	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:00 PM	231.00	5.20	18.20	26.60	8.40	26.60	24.00	18.20	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:15 PM	192.00	5.20	18.60	26.60	8.00	26.60	25.90	18.60	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:30 PM	245.00	4.50	18.70	27.80	9.10	27.80	24.60	18.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 12:45 PM	253.00	7.30	18.60	26.30	7.70	26.30	24.30	18.60	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:00 PM	236.00	4.00	16.80	25.70	8.90	25.70	22.30	16.80	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:15 PM	220.00	4.50	15.20	21.60	6.40	21.60	21.80	15.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:30 PM	225.00	6.80	16.70	21.90	5.20	21.90	19.10	16.70	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 1:45 PM	224.00	7.50	12.80	18.00	5.20	18.00	18.10	12.80	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:00 PM	222.00	6.80	11.80	18.00	6.20	18.00	18.00	11.80	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:15 PM	236.00	5.10	10.60	24.80	14.20	24.80	17.30	10.60	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:30 PM	242.00	7.30	10.50	17.60	7.10	17.60	16.30	10.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 2:45 PM	229.00	5.50	10.80	19.40	8.60	19.40	16.10	10.80	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:00 PM	244.00	5.80	8.50	15.90	7.40	15.90	14.40	8.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:15 PM	243.00	5.50	8.30	17.40	9.10	17.40	13.70	8.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:30 PM	274.00	2.80	12.30	14.50	2.20	17.40	14.50	8.40	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 3:45 PM	351.00	3.70	12.80	15.10	2.30	18.70	15.10	9.50	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:00 PM	5.00	3.00	18.00	9.00	0.00	18.00	15.90	9.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:15 PM	7.00	3.30	19.70	10.30	0.00	19.70	17.20	10.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:30 PM	29.00	1.10	22.90	10.20	0.00	22.90	20.10	10.20	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 4:45 PM	122.00	2.50	21.00	21.20	0.20	42.70	21.00	11.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:00 PM	117.00	2.80	38.10	19.90	0.00	39.70	38.10	21.00	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:15 PM	78.00	2.40	0.00	21.00	0.00	0.00	42.50	21.00	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/15/15 5:30 PM	106.00	2.50	46.40	29.90	0.00	0.00	46.40	50.70	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 5:45 PM	117.00	3.50	54.50	31.70	0.00	42.70	54.50	85.40	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:00 PM	107.00	2.20	60.50	36.70	0.00	0.00	60.50	107.40	36.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:15 PM	122.00	2.20	51.50	59.10	7.60	69.80	51.50	73.20	59.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:30 PM	116.00	3.60	53.40	67.80	14.40	84.50	53.40	96.50	67.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 6:45 PM	110.00	2.50	58.30	57.40	0.00	76.50	58.30	89.10	57.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:00 PM	120.00	3.50	56.60	60.10	3.50	68.50	56.60	74.60	60.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:15 PM	121.00	3.20	56.30	40.00	0.00	49.70	56.30	99.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:30 PM	16.00	1.60	48.10	75.90	27.80	48.10	54.20	75.90	38.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 7:45 PM	133.00	1.90	62.60	39.20	0.00	49.00	62.60	81.00	39.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:00 PM	150.00	0.70	57.10	38.40	0.00	49.30	57.10	80.70	38.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:15 PM	139.00	0.70	66.20	38.50	0.00	52.60	66.20	94.90	38.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:30 PM	142.00	0.80	89.50	36.80	0.00	0.00	89.50	91.20	36.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 8:45 PM	138.00	0.90	69.70	42.00	0.00	69.30	69.70	103.40	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:00 PM	141.00	1.90	75.70	45.20	0.00	70.00	75.70	97.90	45.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:15 PM	140.00	1.70	74.50	55.80	0.00	70.00	74.50	111.90	55.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:30 PM	165.00	1.10	75.80	68.00	0.00	106.70	75.80	97.10	68.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 9:45 PM	186.00	0.80	94.60	105.50	10.90	105.50	73.90	94.60	66.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:00 PM	153.00	1.20	70.20	49.90	0.00	104.50	70.20	91.90	49.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:15 PM	180.00	0.80	96.80	86.70	0.00	86.70	70.60	96.80	58.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:30 PM	143.00	0.90	66.30	48.80	0.00	98.30	66.30	88.60	48.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 10:45 PM	147.00	0.90	70.00	49.60	0.00	93.10	70.00	88.10	49.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:00 PM	140.00	1.70	67.60	49.20	0.00	100.00	67.60	95.30	49.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:15 PM	159.00	1.40	79.90	53.40	0.00	110.00	79.90	100.50	53.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:30 PM	62.00	1.00	108.80	100.50	0.00	108.80	80.10	100.50	55.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/15/15 11:45 PM	163.00	2.00	80.10	58.40	0.00	102.90	80.10	103.20	58.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:00 AM	160.00	1.80	78.00	56.50	0.00	101.70	78.00	100.40	56.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:15 AM	149.00	1.40	70.80	53.90	0.00	93.70	70.80	90.40	53.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:30 AM	196.00	1.50	89.30	96.30	7.00	96.30	69.60	89.30	50.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:45 AM	178.00	1.60	67.80	54.10	0.00	85.40	67.80	85.50	54.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:00 AM	191.00	2.50	78.70	84.80	6.10	84.80	68.50	78.70	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:15 AM	199.00	3.10	76.30	79.70	3.40	79.70	67.60	76.30	48.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:30 AM	203.00	3.80	81.60	84.30	2.70	84.30	65.60	81.60	47.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:45 AM	202.00	3.60	80.00	75.60	0.00	75.60	60.00	80.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:00 AM	197.00	4.00	66.20	63.30	0.00	63.30	54.30	66.20	34.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:15 AM	201.00	2.30	53.80	42.00	0.00	42.00	39.50	53.80	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:30 AM	192.00	2.40	44.50	29.90	0.00	29.90	31.40	44.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:45 AM	169.00	2.60	25.10	11.90	0.00	21.40	25.10	38.10	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:00 AM	194.00	2.60	36.50	20.10	0.00	20.10	25.50	36.50	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:15 AM	181.00	3.40	36.90	20.30	0.00	20.30	31.50	36.90	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:30 AM	193.00	3.00	37.20	20.60	0.00	20.60	23.70	37.20	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:45 AM	197.00	3.40	38.30	20.80	0.00	20.80	23.50	38.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:00 AM	189.00	4.00	39.80	20.90	0.00	20.90	23.10	39.80	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:15 AM	192.00	2.90	39.00	21.70	0.00	21.70	24.30	39.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:30 AM	212.00	3.30	40.50	21.20	0.00	21.20	23.90	40.50	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:45 AM	180.00	2.60	40.50	19.60	0.00	19.60	23.60	40.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:00 AM	169.00	4.10	22.80	10.90	0.00	18.90	22.80	39.60	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:15 AM	170.00	2.50	23.00	10.90	0.00	19.30	23.00	39.60	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:30 AM	175.00	2.70	21.40	10.10	0.00	17.90	21.40	38.60	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:45 AM	174.00	3.50	21.60	10.20	0.00	18.30	21.60	38.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:00 AM	179.00	4.00	21.90	9.80	0.00	17.50	21.90	38.70	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:15 AM	149.00	1.80	21.70	10.30	0.00	17.50	21.70	39.80	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:30 AM	164.00	2.10	23.00	10.40	0.00	18.50	23.00	41.10	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:45 AM	167.00	1.60	23.40	11.20	0.00	19.70	23.40	43.70	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:00 AM	184.00	1.90	42.70	19.70	0.00	19.70	24.30	42.70	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:15 AM	186.00	2.90	44.00	19.80	0.00	19.80	25.00	44.00	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:30 AM	188.00	3.20	44.70	19.60	0.00	19.60	26.00	44.70	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:45 AM	206.00	2.10	47.50	21.20	0.00	21.20	27.00	47.50	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:00 AM	197.00	3.60	47.80	21.20	0.00	21.20	26.50	47.80	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:15 AM	191.00	2.50	48.40	22.40	0.00	22.40	26.30	48.40	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:30 AM	204.00	4.00	47.90	22.30	0.00	22.30	25.50	47.90	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:45 AM	178.00	2.60	25.10	12.40	0.00	21.30	25.10	48.90	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:00 AM	180.00	3.20	49.20	20.80	0.00	20.80	24.70	49.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:15 AM	176.00	3.70	22.60	11.50	0.00	19.20	22.60	47.90	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:30 AM	185.00	3.10	44.30	19.20	0.00	19.20	20.60	44.30	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:45 AM	200.00	2.80	41.50	15.60	0.00	15.60	17.80	41.50	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:00 AM	220.00	3.90	44.80	17.90	0.00	17.90	18.30	44.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:15 AM	188.00	3.50	45.60	25.00	0.00	25.00	20.10	45.60	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:30 AM	188.00	2.60	46.80	17.00	0.00	17.00	20.10	46.80	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:45 AM	169.00	2.70	22.30	11.00	0.00	20.10	22.30	50.90	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:00 AM	194.00	3.40	50.20	20.30	0.00	20.30	22.00	50.20	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:15 AM	189.00	3.10	49.60	22.30	0.00	22.30	21.40	49.60	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:30 AM	179.00	4.00	21.40	11.90	0.00	23.90	21.40	51.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:45 AM	195.00	5.20	54.20	26.90	0.00	26.90	23.90	54.20	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:00 PM	178.00	4.00	26.30	14.00	0.00	24.00	26.30	54.90	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:15 PM	196.00	4.70	54.70	25.70	0.00	25.70	26.40	54.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:30 PM	0.00	0.00	0.00	0.00	0.00	26.80	26.30	52.40	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 12:45 PM	217.00	4.90	48.80	24.00	0.00	24.00	23.50	48.80	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:00 PM	204.00	3.50	48.30	25.80	0.00	25.80	23.10	48.30	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:15 PM	191.00	5.00	49.70	27.90	0.00	27.90	22.40	49.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:30 PM	167.00	5.20	22.40	17.20	0.00	31.40	22.40	51.40	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 1:45 PM	201.00	4.40	47.60	29.80	0.00	29.80	22.40	47.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:00 PM	196.00	5.40	45.50	30.20	0.00	30.20	18.10	45.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:15 PM	180.00	4.70	46.90	30.80	0.00	30.80	18.20	46.90	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:30 PM	196.00	4.70	44.70	30.20	0.00	30.20	17.70	44.70	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 2:45 PM	177.00	4.40	17.30	17.40	0.10	28.40	17.30	42.80	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:00 PM	170.00	5.40	19.10	18.90	0.00	29.50	19.10	45.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:15 PM	205.00	4.30	46.70	29.10	0.00	29.10	19.70	46.70	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:30 PM	163.00	6.70	19.70	17.30	0.00	26.40	19.70	42.70	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 3:45 PM	168.00	4.90	20.90	18.30	0.00	29.70	20.90	46.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:00 PM	197.00	2.60	44.30	27.00	0.00	27.00	20.30	44.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:15 PM	193.00	5.30	41.90	26.40	0.00	26.40	19.40	41.90	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:30 PM	199.00	3.20	41.00	26.00	0.00	26.00	18.40	41.00	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 4:45 PM	169.00	3.00	16.10	15.90	0.00	25.20	16.10	38.40	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:00 PM	0.00	0.00	0.00	0.00	0.00	23.70	14.30	32.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:15 PM	172.00	4.00	15.10	13.60	0.00	26.00	15.10	32.20	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:30 PM	185.00	4.20	31.30	23.50	0.00	23.50	12.50	31.30	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 5:45 PM	181.00	4.50	31.20	23.10	0.00	23.10	12.00	31.20	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:00 PM	175.00	5.00	11.90	14.00	2.10	21.50	11.90	30.40	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:15 PM	161.00	6.20	12.00	14.20	2.20	20.90	12.00	30.10	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 6:30 PM	180.00	3.60	29.70	22.30	0.00	22.30	12.30	29.70	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/16/15 6:45 PM	196.00	3.00	32.30	22.60	0.00	22.60	14.00	32.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:00 PM	202.00	2.70	34.10	23.20	0.00	23.20	15.20	34.10	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:15 PM	190.00	2.00	32.60	21.90	0.00	21.90	15.30	32.60	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:30 PM	169.00	3.10	14.60	13.60	0.00	23.90	14.60	32.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 7:45 PM	165.00	3.70	14.80	12.90	0.00	20.30	14.80	31.50	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:00 PM	171.00	4.70	15.00	11.70	0.00	20.00	15.00	30.30	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:15 PM	176.00	3.50	15.00	11.70	0.00	21.10	15.00	30.90	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:30 PM	161.00	4.50	13.30	8.60	0.00	16.90	13.30	26.10	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 8:45 PM	158.00	4.00	13.60	9.30	0.00	16.20	13.60	28.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:00 PM	170.00	4.00	15.20	10.50	0.00	17.20	15.20	30.80	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:15 PM	163.00	2.70	14.70	10.00	0.00	16.10	14.70	29.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:30 PM	139.00	3.40	14.20	9.20	0.00	15.60	14.20	27.50	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 9:45 PM	147.00	3.00	13.20	9.20	0.00	14.50	13.20	25.70	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:00 PM	155.00	3.40	13.00	8.30	0.00	13.40	13.00	25.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:15 PM	163.00	3.50	12.80	8.20	0.00	13.20	12.80	24.30	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:30 PM	161.00	4.30	14.30	8.90	0.00	15.00	14.30	27.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 10:45 PM	161.00	3.80	16.00	10.10	0.00	16.30	16.00	30.40	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:00 PM	166.00	2.80	18.00	11.40	0.00	19.20	18.00	35.30	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:15 PM	178.00	2.90	21.20	12.90	0.00	21.00	21.20	40.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:30 PM	183.00	3.10	45.30	23.60	0.00	23.60	24.80	45.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/16/15 11:45 PM	170.00	5.00	25.60	14.40	0.00	26.20	25.60	48.10	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:00 AM	170.00	3.90	28.70	15.00	0.00	24.80	28.70	52.20	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:15 AM	190.00	4.40	52.20	24.80	0.00	24.80	28.70	52.20	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:30 AM	159.00	3.60	28.60	14.70	0.00	22.70	28.60	52.50	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:45 AM	176.00	4.30	26.40	13.20	0.00	22.00	26.40	49.50	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:15 AM	181.00	5.10	42.10	19.40	0.00	19.40	22.60	42.10	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:30 AM	181.00	5.10	42.10	18.00	0.00	18.00	22.20	42.10	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:45 AM	197.00	4.10	37.50	16.10	0.00	16.10	20.90	37.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:00 AM	187.00	4.10	35.50	14.40	0.00	14.40	19.60	35.50	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:15 AM	175.00	4.40	17.90	8.80	0.00	14.50	17.90	32.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:30 AM	155.00	4.20	18.10	8.40	0.00	13.90	18.10	31.40	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:45 AM	171.00	2.40	18.00	8.60	0.00	15.10	18.00	31.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:00 AM	166.00	2.70	17.10	7.60	0.00	13.50	17.10	28.70	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:15 AM	182.00	3.60	28.10	13.90	0.00	13.90	16.90	28.10	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:30 AM	175.00	3.10	16.40	8.40	0.00	14.10	16.40	27.70	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:45 AM	177.00	3.30	15.30	8.50	0.00	11.70	15.30	24.40	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:00 AM	160.00	3.70	14.70	7.50	0.00	10.90	14.70	23.50	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:15 AM	158.00	3.60	14.30	7.00	0.00	10.30	14.30	23.90	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:30 AM	181.00	3.10	24.80	10.30	0.00	10.30	14.70	24.80	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:45 AM	170.00	4.80	14.70	6.80	0.00	10.50	14.70	25.60	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:00 AM	168.00	3.40	14.70	7.40	0.00	11.00	14.70	25.90	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:15 AM	162.00	4.20	15.50	7.20	0.00	12.00	15.50	26.40	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:30 AM	182.00	3.90	27.80	12.70	0.00	12.70	16.80	27.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:45 AM	166.00	3.70	18.30	9.30	0.00	13.60	18.30	29.30	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:00 AM	187.00	3.60	30.70	16.20	0.00	16.20	18.80	30.70	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:15 AM	163.00	4.10	20.00	10.80	0.00	16.50	20.00	32.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:30 AM	178.00	3.70	21.20	11.30	0.00	16.80	21.20	33.90	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:45 AM	159.00	3.80	21.70	11.80	0.00	19.30	21.70	35.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:00 AM	0.00	0.00	0.00	0.00	0.00	20.30	23.20	37.10	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:15 AM	153.00	3.90	24.60	12.90	0.00	19.90	24.60	38.70	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:30 AM	158.00	5.20	23.50	13.10	0.00	20.30	23.50	38.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:45 AM	174.00	4.30	23.30	13.00	0.00	20.20	23.30	37.10	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:00 AM	173.00	4.30	22.90	12.90	0.00	20.40	22.90	35.50	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:15 AM	169.00	4.60	23.20	13.30	0.00	18.90	23.20	34.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:30 AM	173.00	3.70	23.10	13.50	0.00	20.90	23.10	33.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:45 AM	182.00	5.70	34.10	21.00	0.00	21.00	22.60	34.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:00 AM	154.00	6.10	22.70	13.80	0.00	19.20	22.70	33.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:15 AM	158.00	6.10	25.20	15.00	0.00	22.60	25.20	37.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:30 AM	170.00	5.40	27.10	13.80	0.00	20.20	27.10	39.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:45 AM	149.00	6.50	27.40	13.80	0.00	19.70	27.40	40.60	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:00 AM	175.00	7.40	25.90	13.30	0.00	19.00	25.90	39.40	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:15 AM	184.00	7.00	35.00	18.30	0.00	18.30	24.20	35.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:30 AM	171.00	8.20	21.60	11.40	0.00	17.70	21.60	30.10	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:45 AM	180.00	7.50	26.10	15.60	0.00	15.60	20.00	26.10	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:00 AM	165.00	5.70	17.30	9.60	0.00	15.50	17.30	22.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:15 AM	168.00	7.00	16.50	9.40	0.00	14.50	16.50	20.80	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:30 AM	165.00	5.70	15.60	9.80	0.00	15.50	15.60	18.50	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:45 AM	166.00	7.50	16.00	10.80	0.00	16.00	16.00	18.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:00 PM	172.00	7.20	15.30	10.60	0.00	15.70	15.30	16.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:15 PM	180.00	9.60	15.80	16.70	0.90	16.70	15.20	15.80	10.30	0.00	1.00	1.00	1.00	0.00	0.00	0.00
5/17/15 12:30 PM	175.00	6.70	14.50	11.40	0.00	17.80	14.50	14.10	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 12:45 PM	169.00	9.30	14.30	12.20	0.00	18.20	14.30	13.30	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:00 PM	182.00	10.00	12.40	19.50	7.10	19.50	13.00	12.40	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:15 PM	162.00	9.50	12.60	11.60	0.00	19.50	12.60	11.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:30 PM	169.00	10.00	12.90	11.30	0.00	19.50	12.90	11.10	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 1:45 PM	169.00	8.20	13.00	12.10	0.00	19.40	13.00	11.30	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:00 PM	196.00	8.10	11.30	20.50	9.20	20.50	14.10	11.30	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:15 PM	196.00	8.60	11.40	23.40	12.00	23.40	14.70	11.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:30 PM	196.00	9.70	10.90	23.30	12.40	23.30	14.30	10.90	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 2:45 PM	172.00	7.10	14.80	14.80	0.00	24.20	14.80	11.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:00 PM	174.00	9.20	16.80	14.90	0.00	24.90	16.80	11.50	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:15 PM	200.00	9.20	12.90	26.40	13.50	26.40	18.20	12.90	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:30 PM	192.00	6.40	13.10	25.70	12.60	25.70	17.90	13.10	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 3:45 PM	177.00	11.50	18.10	14.70	0.00	24.00	18.10	13.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:00 PM	192.00	9.60	12.80	25.30	12.50	25.30	18.80	12.80	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:15 PM	183.00	11.80	11.40	23.70	12.30	23.70	17.40	11.40	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:30 PM	192.00	7.70	11.90	23.10	11.20	23.10	18.70	11.90	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 4:45 PM	197.00	8.30	11.50	23.90	12.40	23.90	18.10	11.50	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:00 PM	194.00	8.90	11.00	20.80	9.80	20.80	17.40	11.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:15 PM	0.00	0.00	0.00	0.00	0.00	20.80	15.90	9.90	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:30 PM	188.00	7.30	10.40	22.30	11.90	22.30	17.00	10.40	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 5:45 PM	175.00	8.80	15.70	11.90	0.00	19.00	15.70	10.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:00 PM	199.00	10.20	10.80	20.20	9.40	20.20	16.50	10.80	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:15 PM	183.00	5.90	11.30	20.20	8.90	20.20	17.10	11.30	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:30 PM	176.00	4.00	17.70	12.70	0.00	21.10	17.70	12.60	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 6:45 PM	170.00	4.20	18.30	12.80	0.00	20.70	18.30	13.30	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:00 PM	183.00	5.30	13.30	14.40	1.10	14.40	15.60	13.30	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:15 PM	188.00	8.10	9.50	10.90	1.40	10.90	13.60	9.50	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:30 PM	194.00	8.50	10.80	13.30	2.50	13.30	14.70	10.80	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 7:45 PM	193.00	7.70	13.50	16.60	3.10	16.60	17.90	13.50	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:00 PM	195.00	5.30	16.20	17.90	1.70	17.90	18.50	16.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/17/15 8:15 PM	189.00	4.20	15.90	14.80	0.00	14.80	17.40	15.90	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:30 PM	197.00	5.20	10.10	12.50	2.40	12.50	14.60	10.10	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 8:45 PM	191.00	7.10	7.80	10.50	2.70	10.50	12.70	7.80	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:00 PM	185.00	6.90	2.40	8.20	5.80	8.20	10.00	2.40	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:15 PM	201.00	6.10	2.40	0.00	0.00	0.00	9.70	2.40	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:30 PM	190.00	5.80	5.00	11.90	6.90	11.90	13.50	5.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 9:45 PM	191.00	5.10	17.30	18.10	0.80	18.10	18.80	17.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:00 PM	202.00	4.80	19.80	17.90	0.00	17.90	19.70	19.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:15 PM	200.00	4.10	22.10	17.90	0.00	17.90	20.50	22.10	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:30 PM	196.00	4.30	22.80	17.80	0.00	17.80	20.60	22.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 10:45 PM	199.00	5.60	23.50	18.20	0.00	18.20	21.20	23.50	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:00 PM	203.00	4.70	23.80	17.50	0.00	17.50	21.10	23.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:15 PM	205.00	5.10	24.20	17.20	0.00	17.20	20.70	24.20	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:30 PM	199.00	4.50	24.00	17.00	0.00	17.00	20.80	24.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/17/15 11:45 PM	208.00	5.30	22.30	14.20	0.00	14.20	19.90	22.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:00 AM	207.00	5.70	17.10	12.10	0.00	12.10	17.00	17.10	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:15 AM	213.00	4.90	12.90	11.10	0.00	11.10	14.30	12.90	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:30 AM	205.00	5.10	11.00	9.80	0.00	9.80	12.40	11.00	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:45 AM	204.00	5.10	10.10	9.60	0.00	9.60	12.20	10.10	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:00 AM	209.00	4.40	10.20	9.50	0.00	9.50	12.10	10.20	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:15 AM	207.00	6.50	10.90	10.60	0.00	10.60	12.30	10.90	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:30 AM	206.00	4.90	11.40	11.60	0.20	11.60	13.10	11.40	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:45 AM	217.00	6.50	11.30	12.20	0.90	12.20	13.50	11.30	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:00 AM	209.00	4.50	11.20	12.80	1.60	12.80	14.10	11.20	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:15 AM	196.00	4.50	11.90	12.90	1.00	12.90	14.00	11.90	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:30 AM	208.00	4.70	12.20	13.40	1.20	13.40	14.40	12.20	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:45 AM	211.00	4.30	12.80	13.60	0.80	13.60	14.60	12.80	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:00 AM	217.00	4.10	13.20	13.60	0.40	13.60	14.60	13.20	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:15 AM	212.00	3.90	15.20	15.50	0.30	15.50	15.90	15.20	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:30 AM	211.00	3.90	17.00	16.30	0.00	16.30	16.80	17.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:45 AM	207.00	5.70	17.90	16.60	0.00	16.60	18.40	17.90	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:00 AM	214.00	3.80	18.90	17.00	0.00	17.00	19.20	18.90	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:15 AM	212.00	4.20	20.50	17.10	0.00	17.10	22.80	20.50	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:30 AM	204.00	3.30	20.70	17.50	0.00	17.50	18.70	20.70	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:45 AM	203.00	3.40	21.30	17.70	0.00	17.70	19.00	21.30	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:00 AM	204.00	5.00	22.00	18.10	0.00	18.10	19.30	22.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:15 AM	217.00	3.90	22.00	18.20	0.00	18.20	19.20	22.00	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:30 AM	220.00	3.90	23.00	18.40	0.00	18.40	19.90	23.00	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:45 AM	218.00	3.80	24.80	19.50	0.00	19.50	22.10	24.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:00 AM	230.00	3.10	27.10	21.90	0.00	21.90	24.90	27.10	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:15 AM	220.00	3.60	27.20	21.10	0.00	21.10	24.90	27.20	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:30 AM	211.00	4.20	27.30	20.00	0.00	20.00	23.60	27.30	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:45 AM	212.00	3.10	28.40	20.10	0.00	20.10	23.50	28.40	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:00 AM	219.00	4.20	29.10	19.60	0.00	19.60	23.50	29.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:15 AM	213.00	3.30	29.40	20.30	0.00	20.30	23.60	29.40	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:30 AM	195.00	4.00	28.70	19.80	0.00	19.80	23.90	28.70	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:45 AM	220.00	3.80	27.70	19.20	0.00	19.20	22.80	27.70	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:00 AM	219.00	3.60	27.20	19.00	0.00	19.00	22.40	27.20	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:15 AM	193.00	3.70	27.50	20.20	0.00	20.20	22.20	27.50	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:30 AM	204.00	4.70	25.80	20.30	0.00	20.30	21.10	25.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:45 AM	208.00	3.70	26.20	21.10	0.00	21.10	21.10	26.20	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:00 AM	218.00	6.00	22.80	18.80	0.00	18.80	19.10	22.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:15 AM	231.00	4.80	22.10	19.00	0.00	19.00	18.80	22.10	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:30 AM	205.00	5.30	19.60	19.30	0.00	19.30	17.90	19.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:45 AM	222.00	4.00	18.10	19.00	0.90	19.00	18.20	18.10	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:00 AM	208.00	5.10	17.50	19.30	1.80	19.30	17.10	17.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:15 AM	208.00	4.60	16.10	17.90	1.80	17.90	16.70	16.10	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:30 AM	219.00	3.90	16.40	18.10	1.70	18.10	15.80	16.40	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:45 AM	216.00	5.10	17.20	18.70	1.50	18.70	16.60	17.20	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:00 AM	228.00	6.70	16.90	17.40	0.50	17.40	16.30	16.90	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:15 AM	230.00	5.50	17.50	18.00	0.50	18.00	16.90	17.50	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:30 AM	218.00	7.50	17.20	18.10	0.90	18.10	16.50	17.20	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:45 AM	231.00	4.70	16.50	16.80	0.30	16.80	16.10	16.50	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:00 PM	221.00	7.30	13.30	16.30	3.00	16.30	14.80	13.30	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:15 PM	229.00	5.20	14.50	17.80	3.30	17.80	14.90	14.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:30 PM	238.00	6.10	10.30	16.60	6.30	16.60	14.00	10.30	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 12:45 PM	227.00	6.30	11.10	18.90	7.80	18.90	14.00	11.10	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:00 PM	227.00	5.50	10.30	16.40	6.10	16.40	14.00	10.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:15 PM	266.00	7.40	8.80	16.40	7.60	16.40	13.30	8.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:30 PM	249.00	6.50	7.70	15.10	7.40	15.10	14.10	7.70	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 1:45 PM	234.00	8.10	6.40	16.40	10.00	16.40	12.00	6.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:00 PM	254.00	8.50	5.40	14.20	8.80	14.20	12.00	5.40	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:15 PM	0.00	0.00	0.00	0.00	0.00	18.00	16.60	5.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:30 PM	242.00	10.10	5.90	16.50	10.60	16.50	17.10	5.90	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 2:45 PM	255.00	7.40	3.60	36.60	33.00	36.60	13.10	3.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:00 PM	257.00	8.60	1.40	11.60	10.20	11.60	10.70	1.40	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:15 PM	257.00	8.00	1.40	8.80	7.40	8.80	12.10	1.40	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:30 PM	254.00	6.90	2.10	10.20	8.10	10.20	21.80	2.10	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 3:45 PM	252.00	10.00	1.40	0.00	0.00	0.00	28.10	1.40	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:00 PM	244.00	8.50	1.00	16.20	15.20	16.20	15.60	1.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:15 PM	263.00	6.00	0.90	6.90	6.00	6.90	9.00	0.90	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:30 PM	246.00	9.90	1.90	9.70	7.80	9.70	11.20	1.90	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 4:45 PM	257.00	7.80	1.60	10.30	8.70	10.30	10.30	1.60	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:00 PM	251.00	6.00	0.60	0.00	0.00	0.00	12.50	0.60	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:15 PM	280.00	6.60	7.70	9.90	2.20	7.00	9.90	0.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:30 PM	262.00	4.20	0.80	10.60	9.80	10.60	13.50	0.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 5:45 PM	253.00	6.80	1.70	13.00	11.30	13.00	15.70	1.70	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:00 PM	277.00	5.10	7.90	27.00	19.10	14.50	27.00	2.60	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:15 PM	281.00	7.00	11.20	23.70	12.50	11.50	23.70	3.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:30 PM	275.00	6.30	6.20	24.30	18.10	11.20	24.30	2.30	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 6:45 PM	265.00	5.90	3.60	12.50	8.90	12.50	46.70	3.60	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:00 PM	261.00	6.60	5.50	12.30	6.80	12.30	27.20	5.50	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:15 PM	257.00	7.80	3.80	12.30	8.50	12.30	33.90	3.80	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:30 PM	274.00	6.80	7.90	61.00	53.10	12.30	61.00	3.20	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 7:45 PM	272.00	5.80	10.30	29.60	19.30	14.80	29.60	4.60	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:00 PM	279.00	5.50	8.80	41.70	32.90	0.00	41.70	3.90	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:15 PM	278.00	6.70	10.90	26.80	15.90	14.30	26.80	4.40	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:30 PM	261.00	5.90	4.40	14.80	10.40	14.80	47.90	4.40	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 8:45 PM	271.00	5.20	10.30	27.80	17.50	16.90	27.80	5.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:00 PM	280.00	6.10	8.50	26.60	18.10	14.90	26.60	6.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:15 PM	288.00	5.10	19.00	24.60	5.60	0.00	24.60	7.20	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Retrieved from www.indianaharbordredge.com

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
5/18/15 9:30 PM	273.00	6.50	19.00	59.80	40.80	0.00	59.80	6.40	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 9:45 PM	274.00	3.40	15.40	29.10	13.70	19.80	29.10	5.90	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:00 PM	314.00	6.60	13.30	28.90	15.60	22.20	28.90	8.10	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:15 PM	296.00	6.10	10.10	29.70	19.60	22.80	29.70	6.60	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:30 PM	282.00	6.60	9.30	28.10	18.80	25.30	28.10	7.90	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 10:45 PM	279.00	6.10	6.70	27.10	20.40	25.70	27.10	7.20	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:00 PM	293.00	7.00	6.70	28.10	21.40	32.30	28.10	7.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:15 PM	305.00	7.50	12.00	25.00	13.00	0.00	25.00	6.20	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:30 PM	301.00	5.60	13.30	24.00	10.70	29.20	24.00	6.10	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/15 11:45 PM	315.00	5.20	6.90	22.80	15.90	21.00	22.80	5.10	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:00 AM	296.00	4.90	6.40	22.90	16.50	24.00	22.90	6.20	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:15 AM	302.00	3.90	7.70	22.70	15.00	25.10	22.70	6.10	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:30 AM	306.00	6.40	6.50	23.10	16.60	25.10	23.10	7.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:45 AM	292.00	7.60	8.00	22.30	14.30	24.60	22.30	6.60	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:00 AM	294.00	6.00	9.60	23.30	13.70	17.50	23.30	6.70	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:15 AM	273.00	5.30	6.40	23.20	16.80	20.00	23.20	7.80	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:30 AM	291.00	5.00	5.00	21.00	16.00	20.50	21.00	8.60	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:45 AM	293.00	6.30	3.70	20.20	16.50	17.10	20.20	4.40	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:00 AM	288.00	6.60	3.50	19.20	15.70	17.10	19.20	5.10	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:15 AM	278.00	4.50	2.80	18.10	15.30	16.30	18.10	4.40	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:30 AM	280.00	5.40	2.90	17.30	14.40	16.10	17.30	4.90	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:45 AM	270.00	3.80	3.50	18.60	15.10	14.90	18.60	4.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:00 AM	288.00	6.90	2.70	18.60	15.90	13.10	18.60	5.60	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:15 AM	283.00	5.10	2.10	16.10	14.00	13.30	16.10	3.80	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:30 AM	281.00	4.10	3.90	15.00	11.10	13.60	15.00	4.40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:45 AM	275.00	3.90	3.90	14.10	10.20	11.90	14.10	2.70	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:00 AM	276.00	4.80	2.70	13.50	10.80	13.30	13.50	2.90	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:15 AM	274.00	4.40	2.80	12.40	9.60	0.00	12.40	1.90	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:30 AM	298.00	5.40	2.00	12.00	10.00	0.00	12.00	2.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:45 AM	306.00	4.50	0.00	12.70	12.70	13.30	12.70	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:00 AM	311.00	5.20	3.80	13.50	9.70	13.40	13.50	4.10	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:15 AM	307.00	6.70	2.60	12.80	10.20	12.60	12.80	3.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:30 AM	290.00	4.30	3.00	12.90	9.90	12.10	12.90	4.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:45 AM	313.00	5.00	2.90	13.50	10.60	12.30	13.50	3.90	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:00 AM	315.00	5.10	5.00	12.60	7.60	15.10	12.60	3.80	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:15 AM	304.00	4.20	3.60	12.30	8.70	12.30	12.30	3.50	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:30 AM	309.00	4.90	2.70	11.30	8.60	11.60	11.30	2.60	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:45 AM	278.00	2.20	4.00	10.60	6.60	10.20	10.60	3.40	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:00 AM	301.00	5.30	5.10	10.00	4.90	10.20	10.00	2.10	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:15 AM	309.00	5.50	1.90	9.60	7.70	11.00	9.60	1.80	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:30 AM	302.00	6.30	14.40	11.30	0.00	11.70	11.30	3.40	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:45 AM	304.00	4.20	10.00	11.20	1.20	16.20	11.20	3.60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:00 AM	316.00	4.00	17.40	13.80	0.00	16.90	13.80	4.00	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:15 AM	321.00	5.80	10.20	9.50	0.00	15.40	9.50	4.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:30 AM	301.00	4.50	14.90	13.50	0.00	32.60	13.50	12.80	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:45 AM	335.00	4.00	8.50	11.50	3.00	12.70	11.50	6.10	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:00 AM	292.00	4.30	3.30	10.00	6.70	14.70	10.00	3.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:15 AM	292.00	3.60	6.70	9.40	2.70	12.00	9.40	5.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:30 AM	324.00	4.90	12.20	9.40	0.00	12.10	9.40	4.10	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:45 AM	305.00	3.70	6.00	9.90	3.90	12.30	9.90	5.70	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:00 AM	316.00	2.80	10.70	14.00	3.30	0.00	14.00	11.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:15 AM	336.00	3.20	28.40	14.70	0.00	19.70	14.70	10.60	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:30 AM	333.00	4.40	32.60	16.10	0.00	21.00	16.10	12.30	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:45 AM	329.00	4.00	28.60	15.10	0.00	0.00	15.10	16.30	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:00 AM	328.00	3.80	22.50	13.40	0.00	13.00	13.40	10.70	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:15 AM	319.00	4.00	32.10	12.30	0.00	13.30	12.30	11.30	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:30 AM	318.00	3.00	18.50	10.80	0.00	14.20	10.80	63.10	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:45 AM	321.00	4.10	34.80	14.00	0.00	19.10	14.00	12.60	34.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:00 PM	319.00	2.70	31.30	14.20	0.00	22.70	14.20	14.50	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:15 PM	288.00	3.20	24.80	12.20	0.00	18.10	12.20	21.90	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:30 PM	308.00	3.50	16.90	9.80	0.00	11.70	9.80	71.60	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 12:45 PM	305.00	2.80	19.80	11.10	0.00	14.80	11.10	11.00	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:00 PM	313.00	3.90	22.20	10.30	0.00	13.60	10.30	10.20	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:15 PM	342.00	2.80	21.30	10.40	0.00	11.50	10.40	9.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:30 PM	347.00	4.60	36.40	11.50	0.00	14.60	11.50	13.60	36.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 1:45 PM	4.00	3.50	13.80	11.80	0.00	13.80	11.60	11.80	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:00 PM	34.00	7.70	12.50	13.20	0.70	12.50	11.50	13.20	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:15 PM	33.00	7.10	10.40	9.00	0.00	10.40	8.70	9.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:30 PM	33.00	5.50	6.70	9.50	2.80	6.70	7.70	9.50	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 2:45 PM	27.00	7.10	8.40	6.10	0.00	8.40	7.10	6.10	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:00 PM	70.00	5.20	10.60	8.60	0.00	10.60	9.20	8.60	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:15 PM	48.00	6.40	0.00	32.00	0.00	0.00	26.80	32.00	55.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:30 PM	43.00	5.30	15.50	28.50	13.00	15.50	15.60	28.50	87.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 3:45 PM	45.00	4.50	12.00	13.60	1.60	12.00	23.40	13.60	68.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:00 PM	65.00	4.30	11.60	20.40	8.80	11.60	12.60	20.40	76.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:15 PM	46.00	4.60	10.80	14.50	3.70	10.80	17.80	14.50	19.60	0.00	0.00	0.00	1.00	0.00	0.00	0.00
5/19/15 4:30 PM	46.00	4.50	10.80	15.20	4.40	10.80	14.00	15.20	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 4:45 PM	0.00	0.00	0.00	0.00	0.00	16.50	24.10	17.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:00 PM	58.00	5.50	42.00	50.90	8.90	42.00	39.80	50.90	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:15 PM	26.00	6.00	50.10	60.20	10.10	50.10	45.10	60.20	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:30 PM	34.00	4.60	0.00	50.50	0.00	0.00	39.80	50.50	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 5:45 PM	53.00	4.60	53.60	34.80	0.00	53.60	27.60	34.80	35.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:00 PM	64.00	4.20	33.40	31.60	0.00	33.40	41.10	31.60	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:15 PM	72.00	3.80	0.00	34.50	0.00	0.00	36.60	34.50	37.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:30 PM	56.00	4.90	19.80	12.10	0.00	19.80	18.40	12.10	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 6:45 PM	49.00	4.80	0.00	22.60	0.00	0.00	15.70	22.60	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:00 PM	56.00	5.00	28.30	14.30	0.00	28.30	16.80	14.30	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:15 PM	72.00	4.40	24.80	33.10	8.30	24.80	21.10	33.10	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:30 PM	44.00	6.00	0.00	34.10	0.00	0.00	36.50	34.10	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 7:45 PM	54.00	4.90	52.60	32.70	0.00	52.60	37.40	32.70	36.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:00 PM	58.00	5.20	0.00	20.10	0.00	0.00	59.20	20.10	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:15 PM	59.00	3.70	13.50	21.30	7.80	13.50	21.10	21.30	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:30 PM	77.00	4.10	14.60	21.50	6.90	14.60	29.10	21.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 8:45 PM	80.00	4.00	28.00	47.20	19.20	28.00	21.50	47.20	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:00 PM	72.00	3.70	9.00	24.30	15.30	9.00	29.20	24.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:15 PM	69.00	3.00	6.80	20.90	14.10	6.80	24.50	20.90	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:30 PM	56.00	3.20	9.40	13.20	3.80	9.40	20.00	13.20	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 9:45 PM	55.00	5.10	9.40	13.20	3.80	9.40	28.60	13.20	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:00 PM	62.00	3.60	11.00	5.30	0.00	11.00	21.50	5.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:15 PM	65.00	4.70	0.00	10.90	0.00	0.00	20.30	10.90	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 10:30 PM	55.00	3.20	11.30	24.00	12.70	11.30	19.80	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/19/15 10:45 PM	38.00	4.60	20.10	24.00	3.90	20.10	6.00	24.00	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:00 PM	40.00	4.70	0.00	4.20	0.00	0.00	14.10	4.20	39.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:15 PM	36.00	4.40	0.00	4.20	0.00	0.00	9.00	4.20	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:30 PM	30.00	6.40	0.00	29.10	0.00	0.00	18.90	29.10	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/19/15 11:45 PM	54.00	5.40	9.60	20.90	11.30	9.60	19.80	20.90	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:00 AM	35.00	5.00	0.00	6.70	0.00	0.00	8.00	6.70	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:15 AM	54.00	4.90	0.00	5.60	0.00	0.00	5.10	5.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:30 AM	43.00	3.90	19.20	23.30	4.10	19.20	6.90	23.30	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:45 AM	35.00	5.10	12.10	6.90	0.00	12.10	7.30	6.90	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:00 AM	55.00	3.10	0.00	6.40	0.00	0.00	7.80	6.40	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:15 AM	40.00	3.50	7.90	5.80	0.00	7.90	8.70	5.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:30 AM	24.00	4.60	14.30	14.70	0.40	14.30	3.50	14.70	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:45 AM	33.00	5.40	16.50	8.10	0.00	16.50	4.10	8.10	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:00 AM	39.00	5.30	0.00	8.80	0.00	0.00	5.00	8.80	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:15 AM	30.00	6.90	12.30	7.00	0.00	12.30	15.70	7.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:30 AM	27.00	8.60	13.90	7.80	0.00	13.90	8.10	7.80	34.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:45 AM	33.00	6.50	5.00	5.40	0.40	5.00	7.00	5.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 3:00 AM	34.00	6.00	6.00	3.90	0.00	6.00	6.70	3.90	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 3:15 AM	25.00	5.10	7.40	4.70	0.00	7.40	6.00	4.70	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 3:30 AM	41.00	5.20	0.00	4.70	0.00	0.00	9.70	4.70	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 3:45 AM	30.00	4.70	0.00	2.40	0.00	0.00	4.70	2.40	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 4:00 AM	43.00	4.40	4.20	4.60	0.40	4.20	2.40	4.60	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 4:15 AM	47.00	4.60	4.20	5.70	1.50	4.20	2.40	5.70	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 4:30 AM	50.00	4.80	4.60	4.90	0.30	4.60	5.10	4.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 4:45 AM	61.00	6.40	6.10	5.20	0.00	6.10	6.00	5.20	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:00 AM	65.00	7.90	0.00	5.20	0.00	0.00	5.20	5.20	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:15 AM	60.00	7.60	6.30	6.80	0.50	6.30	4.60	6.80	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:30 AM	58.00	5.80	8.20	18.70	10.50	8.20	28.10	18.70	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:45 AM	65.00	6.50	28.20	49.10	20.90	28.20	37.40	49.10	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:00 AM	57.00	6.20	33.50	35.20	1.70	33.50	22.70	35.20	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:15 AM	45.00	5.90	34.50	32.40	0.00	34.50	22.70	32.40	38.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:30 AM	61.00	5.20	53.00	39.00	0.00	53.00	17.60	39.00	52.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:45 AM	63.00	5.60	54.30	34.70	0.00	54.30	14.60	34.70	59.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:00 AM	49.00	3.50	36.70	27.60	0.00	36.70	18.20	27.60	59.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:15 AM	70.00	4.90	29.80	17.30	0.00	29.80	15.60	17.30	72.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:30 AM	67.00	5.00	23.00	27.70	4.70	23.00	15.30	27.70	71.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:45 AM	57.00	6.20	28.90	26.30	0.00	28.90	21.70	26.30	49.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:00 AM	75.00	6.00	8.20	20.20	12.00	8.20	15.60	20.20	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:15 AM	61.00	5.70	8.20	18.10	9.90	8.20	19.30	18.10	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:30 AM	53.00	6.30	10.40	11.60	1.20	10.40	23.30	11.60	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:45 AM	57.00	6.00	13.50	9.30	0.00	13.50	13.90	9.30	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:00 AM	71.00	5.80	14.20	9.30	0.00	14.20	10.70	9.30	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:15 AM	32.00	6.30	10.80	12.20	1.40	10.80	6.80	12.20	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:30 AM	38.00	5.80	13.50	10.00	0.00	13.50	8.90	10.00	47.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:45 AM	25.00	5.60	0.00	26.80	0.00	0.00	12.70	26.80	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:00 AM	28.00	6.70	33.90	33.20	0.00	33.90	18.70	33.20	35.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:15 AM	36.00	6.40	23.50	15.70	0.00	23.50	18.70	15.70	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:30 AM	45.00	5.20	10.90	10.70	0.00	10.90	43.60	10.70	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:45 AM	0.00	0.00	0.00	0.00	0.00	12.90	11.80	15.80	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:00 AM	31.00	5.40	9.30	260.80	251.50	9.30	14.90	260.80	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:15 AM	31.00	5.90	13.30	147.70	134.40	13.30	9.80	147.70	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:30 AM	41.00	5.60	13.20	226.70	213.50	13.20	9.80	226.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:45 AM	24.00	5.80	8.10	17.30	9.20	8.10	24.50	17.30	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:00 PM	41.00	5.90	0.00	22.40	0.00	0.00	17.10	22.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:15 PM	20.00	6.70	12.50	14.40	1.90	12.50	8.30	14.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:30 PM	16.00	8.20	8.40	230.00	221.60	8.40	8.40	230.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 12:45 PM	15.00	7.80	7.30	19.50	12.20	7.30	6.10	19.50	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:00 PM	20.00	8.30	8.60	19.70	11.10	8.60	15.90	19.70	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:15 PM	16.00	8.00	9.60	11.00	1.40	9.60	11.70	11.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:30 PM	16.00	9.30	7.60	13.80	6.20	7.60	10.50	13.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 1:45 PM	31.00	7.00	8.50	13.40	4.90	8.50	10.60	13.40	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:00 PM	17.00	6.00	7.80	13.50	5.70	7.80	38.50	13.50	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:15 PM	359.00	7.60	0.90	39.10	38.20	15.60	39.10	17.70	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 2:30 PM	10.00	7.80	8.10	14.70	6.60	8.10	39.10	14.70	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 3:30 PM	23.00	8.40	8.70	12.20	3.50	8.70	13.00	12.20	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:00 PM	7.00	8.80	10.30	23.00	12.70	10.30	29.50	23.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:15 PM	356.00	11.50	1.00	12.90	11.90	9.40	12.90	24.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:30 PM	359.00	10.20	0.50	9.00	8.50	9.60	9.00	13.90	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 5:45 PM	353.00	10.90	0.30	9.90	9.60	9.60	9.90	13.60	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:00 PM	11.00	8.00	15.50	12.10	0.00	15.50	14.70	12.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:15 PM	9.00	8.00	7.10	13.30	6.20	7.10	16.20	13.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:30 PM	10.00	6.90	0.00	14.70	0.00	0.00	11.70	14.70	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 6:45 PM	3.00	6.80	3.20	12.70	9.50	3.20	0.00	12.70	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:00 PM	26.00	7.50	5.90	12.00	6.10	5.90	38.00	12.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:15 PM	17.00	6.60	5.30	14.10	8.80	5.30	10.80	14.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:30 PM	29.00	4.80	7.00	15.00	8.00	7.00	22.50	15.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 7:45 PM	17.00	3.60	9.80	15.30	5.50	9.80	12.50	15.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:00 PM	34.00	5.30	4.20	14.70	10.50	4.20	9.90	14.70	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:15 PM	37.00	4.50	0.00	24.90	0.00	0.00	9.70	24.90	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:30 PM	36.00	4.60	0.00	20.90	0.00	0.00	13.00	20.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 8:45 PM	32.00	4.60	3.50	15.50	12.00	3.50	11.10	15.50	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:00 PM	39.00	4.30	0.00	18.40	0.00	0.00	0.00	18.40	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:15 PM	31.00	3.60	5.60	15.00	9.40	5.60	8.80	15.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:30 PM	21.00	3.90	5.10	14.10	9.00	5.10	8.40	14.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 9:45 PM	6.00	1.70	4.80	13.30	8.50	4.80	8.00	13.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:00 PM	36.00	1.20	0.00	13.20	0.00	0.00	11.20	13.20	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:15 PM	82.00	1.70	7.40	12.30	4.90	7.40	7.20	12.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:30 PM	191.00	0.60	11.20	0.00	0.00	0.00	0.00	11.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 10:45 PM	276.00	1.40	0.30	7.20	6.90	7.10	7.20	11.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:00 PM	315.00	1.30	0.30	6.60	6.30	6.30	6.60	10.60	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:15 PM	351.00	2.80	0.30	8.80	8.50	5.90	8.80	10.90	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:30 PM	327.00	2.70	0.50	12.20	11.70	0.00	12.20	12.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/20/15 11:45 PM	329.00	2.70	0.50	12.20	11.70	0.00	12.20	12.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 12:00 AM	321.00	2.90	0.40	7.30	6.90	8.30	7.30	11.10	0.40	13.90	0.00	0.00	13.90	0.00	0.00	0.00
5/21/15 12:15 AM	323.00	2.80	0.50	6.80	6.30	6.70	6.80	11.20	0.50	22.40	0.00	0.00	22.40	0.00	0.00	0.00
5/21/15 12:30 AM	323.00	3.00	0.50	8.20	7.70	6.80	8.20	11.70	0.50	19.40	0.00	0.00	19.40	0.00	0.00	0.00
5/21/15 12:45 AM	321.00	2.50	0.50	8.10	7.60	6.70	8.10	11.80	0.50	18.90	0.00	0.00	18.90	0.00	0.00	0.00
5/21/15 1:00 AM	323.00	3.10	1.70	16.70	15.00	13.20	16.70	22.30	1.70	11.30	0.00	0.00	11.30	0.00	0.00	0.00
5/21/15 1:15 AM	314.00	2.80	3.10	0.00	0.00	17.70	0.00	29.30	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 1:30 AM	285.00	2.10	3.90	34.80	30.90	16.80	34.80	30.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 1:45 AM	244.00	0.80	29.30	0.00	0.00	0.00	37.10	29.30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/21/15 2:00 AM	272.00	0.40	4.00	33.10	29.10	0.00	33.10	27.90	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 2:15 AM	281.00	1.30	3.60	31.50	27.90	13.80	31.50	26.40	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 2:30 AM	252.00	1.90	26.40	13.80	0.00	13.80	28.50	26.40	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 2:45 AM	246.00	1.50	25.80	14.40	0.00	14.40	26.60	25.80	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 3:00 AM	242.00	1.50	25.90	15.30	0.00	15.30	25.00	25.90	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 3:15 AM	270.00	2.20	3.50	21.30	17.80	15.30	21.30	24.60	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 3:30 AM	274.00	2.20	3.30	22.70	19.40	14.80	22.70	23.30	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 3:45 AM	262.00	1.90	22.60	0.00	0.00	0.00	24.10	22.60	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 4:00 AM	269.00	2.40	23.70	17.90	0.00	17.90	23.50	23.70	325.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 4:15 AM	269.00	2.20	23.70	0.00	0.00	0.00	26.80	23.70	227.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 4:30 AM	286.00	1.80	227.80	26.00	0.00	0.00	26.00	25.00	227.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 4:45 AM	295.00	2.80	209.80	23.50	0.00	0.00	23.50	24.00	209.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 5:00 AM	304.00	2.00	216.10	25.20	0.00	19.60	25.20	26.10	216.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 5:15 AM	303.00	3.30	216.90	25.20	0.00	18.80	25.20	25.80	216.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 5:30 AM	299.00	2.30	214.20	24.70	0.00	17.90	24.70	24.70	214.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 5:45 AM	307.00	3.60	212.20	22.60	0.00	0.00	22.60	23.60	212.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 6:00 AM	302.00	2.10	67.80	18.50	0.00	12.40	18.50	21.30	67.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 6:15 AM	279.00	2.20	94.90	17.00	0.00	12.20	17.00	19.30	94.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 6:30 AM	296.00	3.20	108.90	17.50	0.00	13.00	17.50	19.30	108.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 6:45 AM	276.00	3.20	108.40	16.70	0.00	14.90	16.70	18.30	108.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 7:00 AM	257.00	2.60	16.40	16.10	0.00	16.10	15.10	16.40	101.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 7:15 AM	277.00	4.00	96.40	14.80	0.00	14.70	14.80	15.90	96.40	0.00	0.00	0.00	11.60	0.00	0.00	0.00
5/21/15 7:30 AM	280.00	3.80	94.10	14.50	0.00	14.00	14.50	15.70	94.10	0.00	0.00	0.00	12.30	0.00	0.00	0.00
5/21/15 7:45 AM	266.00	4.20	16.20	15.40	0.00	15.40	14.80	16.20	85.80	0.00	0.00	0.00	11.90	0.00	0.00	0.00
5/21/15 8:00 AM	273.00	3.50	75.80	17.20	0.00	15.70	17.20	17.10	75.80	0.00	0.00	0.00	10.30	0.00	0.00	0.00
5/21/15 8:15 AM	257.00	3.80	18.30	15.70	0.00	15.70	18.30	18.30	70.40	0.00	0.00	0.00	10.30	0.00	0.00	0.00
5/21/15 8:30 AM	0.00	0.00	0.00	0.00	0.00	12.20	17.60	15.80	65.10	0.00	0.00	0.00	10.80	0.00	0.00	0.00
5/21/15 8:45 AM	265.00	1.90	14.90	10.90	0.00	10.90	13.80	14.90	59.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 9:00 AM	258.00	4.20	15.10	11.60	0.00	11.60	13.20	15.10	57.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 9:15 AM	272.00	3.70	53.80	14.10	0.00	0.00	14.10	14.70	53.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 9:30 AM	262.00	3.70	14.30	11.30	0.00	11.30	13.00	14.30	47.30	0.00	0.00	0.00	9.10	0.00	0.00	0.00
5/21/15 9:45 AM	257.00	3.00	14.70	10.30	0.00	10.30	14.30	14.70	44.00	0.00	0.00	0.00	11.60	0.00	0.00	0.00
5/21/15 10:00 AM	272.00	3.40	42.00	13.50	0.00	10.20	13.50	14.60	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 10:15 AM	254.00	2.20	14.40	10.90	0.00	10.90	13.50	14.40	41.90	0.00	0.00	0.00	12.10	0.00	0.00	0.00
5/21/15 10:30 AM	243.00	3.70	14.60	12.10	0.00	12.10	13.90	14.60	42.00	0.00	0.00	0.00	12.10	0.00	0.00	0.00
5/21/15 10:45 AM	256.00	2.90	14.10	11.90	0.00	11.90	13.50	14.10	41.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 11:00 AM	275.00	3.60	42.10	14.60	0.00	12.80	14.60	14.80	42.10	0.00	0.00	0.00	10.60	0.00	0.00	0.00
5/21/15 11:15 AM	264.00	2.80	15.10	13.40	0.00	13.40	14.30	15.10	41.70	0.00	0.00	0.00	10.70	0.00	0.00	0.00
5/21/15 11:30 AM	307.00	3.60	41.80	14.90	0.00	13.20	14.90	15.70	41.80	0.00	0.00	0.00	8.80	0.00	0.00	0.00
5/21/15 11:45 AM	216.00	1.10	15.40	14.30	0.00	14.30	15.50	15.40	41.50	0.00	8.30	8.30	8.30	0.00	0.00	0.00
5/21/15 12:00 PM	252.00	2.80	15.50	15.10	0.00	15.10	16.00	15.50	41.40	0.00	0.00	0.00	9.30	0.00	0.00	0.00
5/21/15 12:15 PM	0.00	0.00	0.00	0.00	0.00	16.10	17.30	15.80	41.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00
5/21/15 12:30 PM	318.00	1.30	41.10	17.70	0.00	17.60	17.70	15.50	41.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 12:45 PM	295.00	2.40	41.20	24.90	0.00	21.10	24.90	15.30	41.20	0.00	0.00	0.00	15.40	0.00	0.00	0.00
5/21/15 1:00 PM	252.00	6.00	16.80	21.50	4.70	21.50	19.90	16.80	41.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 1:15 PM	242.00	5.30	17.00	24.20	7.20	24.20	22.20	17.00	41.80	0.00	0.00	0.00	13.90	0.00	0.00	0.00
5/21/15 1:30 PM	261.00	4.00	17.30	0.00	0.00	0.00	24.90	17.30	41.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 1:45 PM	273.00	3.50	41.90	24.70	0.00	26.50	24.70	16.20	41.90	0.00	0.00	0.00	7.50	0.00	0.00	0.00
5/21/15 2:00 PM	0.00	0.00	0.00	0.00	0.00	25.90	18.90	16.90	42.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 2:15 PM	253.00	3.90	13.50	22.70	9.20	22.70	17.80	13.50	41.80	0.00	0.00	0.00	16.20	0.00	0.00	0.00
5/21/15 2:30 PM	268.00	4.20	13.00	21.70	8.70	21.70	16.10	13.00	42.00	0.00	0.00	0.00	14.40	0.00	0.00	0.00
5/21/15 2:45 PM	285.00	5.20	42.00	14.10	0.00	21.70	14.10	13.30	42.00	0.00	0.00	0.00	20.90	0.00	0.00	0.00
5/21/15 3:00 PM	270.00	4.40	42.00	15.10	0.00	21.50	15.10	12.50	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 3:15 PM	249.00	6.50	11.00	17.70	6.70	17.70	13.20	11.00	42.10	0.00	0.00	0.00	20.10	0.00	0.00	0.00
5/21/15 3:30 PM	255.00	5.40	12.40	18.30	5.90	18.30	17.00	12.40	42.20	0.00	0.00	0.00	20.30	0.00	0.00	0.00
5/21/15 3:45 PM	245.00	4.80	13.30	16.60	3.30	16.60	13.20	13.30	42.40	0.00	0.00	0.00	23.80	0.00	0.00	0.00
5/21/15 4:00 PM	241.00	5.20	14.50	0.00	0.00	0.00	11.70	14.50	42.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 4:15 PM	0.00	0.00	0.00	0.00	0.00	14.10	15.30	16.20	40.60	0.00	0.00	0.00	23.30	0.00	0.00	0.00
5/21/15 4:30 PM	252.00	4.50	11.60	14.10	2.50	14.10	10.40	11.60	40.60	0.00	0.00	0.00	23.30	0.00	0.00	0.00
5/21/15 4:45 PM	308.00	3.00	40.70	10.40	0.00	13.20	10.40	12.00	40.70	0.00	0.00	0.00	24.30	0.00	0.00	0.00
5/21/15 5:00 PM	263.00	5.30	46.20	11.00	0.00	11.00	8.50	46.20	40.30	0.00	0.00	0.00	21.10	0.00	0.00	0.00
5/21/15 5:15 PM	300.00	3.10	40.60	15.90	0.00	12.70	15.90	13.50	40.60	0.00	0.00	0.00	23.60	0.00	0.00	0.00
5/21/15 5:30 PM	251.00	6.30	14.20	11.60	0.00	11.60	11.90	14.20	40.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 5:45 PM	251.00	4.20	12.80	10.80	0.00	10.80	9.50	12.80	40.70	0.00	0.00	0.00	25.30	0.00	0.00	0.00
5/21/15 6:00 PM	0.00	0.00	0.00	0.00	0.00	10.00	8.30	12.40	40.60	0.00	0.00	0.00	19.30	0.00	0.00	0.00
5/21/15 6:15 PM	280.00	3.00	40.70	7.90	0.00	9.90	7.90	12.00	40.70	0.00	0.00	0.00	22.40	0.00	0.00	0.00
5/21/15 6:30 PM	274.00	2.10	40.60	8.70	0.00	9.70	8.70	11.80	40.60	0.00	0.00	0.00	21.60	0.00	0.00	0.00
5/21/15 6:45 PM	283.00	3.00	40.40	14.90	0.00	0.00	14.90	11.20	40.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 7:00 PM	278.00	3.00	40.40	10.80	0.00	0.00	10.80	12.20	40.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 7:15 PM	252.00	2.90	11.30	9.40	0.00	9.40	10.80	11.30	41.10	0.00	0.00	0.00	29.70	0.00	0.00	0.00
5/21/15 7:30 PM	261.00	2.90	11.30	0.00	0.00	0.00	9.20	11.30	40.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 7:45 PM	237.00	2.90	11.80	8.20	0.00	8.20	9.90	11.80	40.90	0.00	0.00	0.00	17.50	0.00	0.00	0.00
5/21/15 8:00 PM	241.00	2.30	11.60	8.90	0.00	8.90	10.50	11.60	29.80	0.00	0.00	0.00	24.70	0.00	0.00	0.00
5/21/15 8:15 PM	250.00	2.50	11.30	0.00	0.00	0.00	8.10	11.30	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 8:30 PM	242.00	1.40	12.90	8.00	0.00	8.00	17.10	12.90	30.50	0.00	0.00	0.00	15.60	0.00	0.00	0.00
5/21/15 8:45 PM	206.00	1.20	12.60	8.10	0.00	8.10	10.20	12.60	31.10	0.00	17.30	17.30	17.30	0.00	0.00	0.00
5/21/15 9:00 PM	200.00	1.90	13.60	9.00	0.00	9.00	15.80	13.60	30.30	0.00	14.40	14.40	14.40	0.00	0.00	0.00
5/21/15 9:15 PM	224.00	1.20	13.40	7.70	0.00	7.70	14.90	13.40	29.90	0.00	14.20	14.20	14.20	0.00	0.00	0.00
5/21/15 9:30 PM	211.00	1.30	14.00	8.10	0.00	8.10	15.40	14.00	28.90	0.00	13.00	13.00	13.00	0.00	0.00	0.00
5/21/15 9:45 PM	215.00	1.20	14.20	8.20	0.00	8.20	18.00	14.20	29.40	0.00	13.70	13.70	13.70	0.00	0.00	0.00
5/21/15 10:00 PM	201.00	1.00	17.60	11.10	0.00	11.10	18.40	17.60	29.20	0.00	15.00	15.00	15.00	0.00	0.00	0.00
5/21/15 10:15 PM	188.00	1.30	17.30	12.40	0.00	12.40	20.90	17.30	29.10	0.00	12.90	12.90	12.90	0.00	0.00	0.00
5/21/15 10:30 PM	202.00	2.00	18.80	11.70	0.00	11.70	25.50	18.80	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 10:45 PM	210.00	2.10	19.70	12.10	0.00	12.10	28.60	19.70	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 11:00 PM	205.00	1.70	19.70	12.30	0.00	12.30	26.60	19.70	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 11:15 PM	214.00	2.20	19.10	13.30	0.00	13.30	27.00	19.10	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 11:30 PM	215.00	1.90	18.20	12.60	0.00	12.60	28.40	18.20	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/21/15 11:45 PM	216.00	3.00	19.40	12.80	0.00	12.80	22.10	19.40	28.40	0.00	8.00	8.00	8.00	0.00	0.00	0.00
5/22/15 12:00 AM	226.00	4.40	19.70	12.70	0.00	12.70	22.60	19.70	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:15 AM	220.00	3.60	18.50	11.90	0.00	11.90	22.00	18.50	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:30 AM	225.00	3.60	18.80	14.10	0.00	14.10	22.20	18.80	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:45 AM	228.00	3.40	18.40	12.80	0.00	12.80	24.40	18.40	28.90	0.00	0.00	0.00	5.90	0.00	0.00	0.00
5/22/15 1:00 AM	235.00	3.50	18.40	12.20	0.00	12.20	25.30	18.40	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:15 AM	244.00	3.60	17.90	11.00	0.00	11.00	24.10	17.90	28.90	0.00	0.00	0.00	8.40	0.00	0.00	0.00
5/22/15 1:30 AM	239.00	4.10	17.70	11.40	0.00	11.40	21.20	17.70	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:45 AM	227.00	3.10	18.10	10.70	0.00	10.70	25.70	18.10	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:00 AM	351.00	2.90	28.10	25.10	0.00	10.70	25.10	18.10	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:15 AM	25.00	1.00	11.20	18.20	7.00	11.20	24.40	18.20	27.80	7.00	0.00	0.00	7.00	0.00	0.00	0.00
5/22/15 2:30 AM	209.00	2.10	18.50	10.30	0.00	10.30	22.80	18.50	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:45 AM	312.00	1.10	28.30	25.30	0.00	10.10	25.30	18.20	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:00 AM	112.00	1.30	23.80	28.20	4.40	9.80	23.80	18.20	28.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/22/15 3:15 AM	340.00	1.90	28.60	22.70	0.00	9.90	22.70	19.80	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:30 AM	262.00	1.80	18.50	9.50	0.00	9.50	23.10	18.50	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:45 AM	291.00	1.70	28.10	21.70	0.00	10.60	21.70	19.40	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:00 AM	264.00	1.30	19.00	10.10	0.00	10.10	23.80	19.00	28.40	0.00	0.00	0.00	7.90	0.00	0.00	0.00
5/22/15 4:15 AM	231.00	1.10	20.60	11.30	0.00	11.30	23.10	20.60	28.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:30 AM	352.00	6.00	28.80	26.50	0.00	0.00	26.50	20.60	28.80	0.00	0.00	0.00	0.00	0.00	0.00	3.90
5/22/15 4:45 AM	352.00	3.70	28.60	24.20	0.00	11.80	24.20	20.80	28.60	0.00	0.00	0.00	0.00	0.00	0.00	5.70
5/22/15 5:00 AM	348.00	4.00	28.80	25.80	0.00	12.20	25.80	22.00	28.80	9.20	0.00	0.00	9.20	0.00	0.00	4.80
5/22/15 5:15 AM	331.00	2.60	28.90	27.30	0.00	13.60	27.30	23.70	28.90	12.20	0.00	0.00	12.20	0.00	0.00	9.20
5/22/15 5:30 AM	350.00	2.80	29.00	34.20	5.20	13.40	34.20	24.10	29.00	14.60	0.00	0.00	14.60	0.00	0.00	8.40
5/22/15 5:45 AM	346.00	2.50	29.30	25.50	0.00	9.80	25.50	23.60	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:00 AM	331.00	3.30	29.00	27.70	0.00	9.40	27.70	24.50	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:15 AM	358.00	2.10	29.30	30.10	0.80	10.10	30.10	26.30	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:30 AM	350.00	4.00	29.50	30.20	0.70	11.50	30.20	27.00	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:45 AM	349.00	5.00	29.40	32.30	2.90	11.20	32.30	27.20	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:00 AM	348.00	3.20	29.80	30.30	0.50	10.30	30.30	27.00	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:15 AM	40.00	2.60	11.00	25.20	14.20	11.00	29.80	25.20	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:30 AM	11.00	1.70	11.20	23.70	12.50	11.20	28.30	23.70	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:45 AM	104.00	1.00	27.70	29.40	1.70	10.70	27.70	22.30	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:00 AM	6.00	0.60	12.60	21.80	9.20	12.60	22.90	21.80	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:15 AM	342.00	1.70	29.60	28.30	0.00	23.10	28.30	23.70	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:30 AM	357.00	5.30	29.40	56.40	27.00	28.90	56.40	24.10	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:45 AM	347.00	5.00	29.50	56.40	26.90	59.30	56.40	37.30	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:00 AM	42.00	4.70	67.00	50.30	0.00	67.00	67.40	50.30	30.50	0.00	0.00	0.00	0.00	0.00	0.00	8.70
5/22/15 9:15 AM	41.00	4.70	49.80	177.80	128.00	49.80	57.40	177.80	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:30 AM	29.00	4.20	42.20	25.50	0.00	42.20	67.90	25.50	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:45 AM	19.00	5.90	17.80	22.90	5.10	17.80	28.80	22.90	42.20	21.50	0.00	0.00	21.50	0.00	0.00	0.00
5/22/15 10:00 AM	8.00	4.60	24.20	23.70	0.00	24.20	32.60	23.70	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:15 AM	19.00	4.10	24.20	88.80	64.60	24.20	43.30	88.80	49.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:30 AM	22.00	4.20	22.60	28.00	5.40	22.60	30.40	28.00	50.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:45 AM	44.00	4.70	20.50	23.60	3.10	20.50	28.40	23.60	50.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:00 AM	32.00	4.90	23.80	23.40	0.00	23.80	61.00	23.40	44.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:15 AM	34.00	4.10	24.30	22.40	0.00	24.30	42.40	22.40	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:30 AM	20.00	5.50	25.80	28.20	2.40	25.80	25.70	28.20	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:45 AM	33.00	5.20	25.80	22.30	0.00	25.80	26.10	22.30	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:00 PM	41.00	5.80	21.80	22.40	0.60	21.80	33.80	22.40	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:15 PM	25.00	6.20	21.90	21.90	0.00	21.90	55.00	21.90	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:30 PM	39.00	5.30	20.80	25.00	4.20	20.80	19.00	25.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 12:45 PM	13.00	6.00	24.50	19.80	0.00	24.50	24.80	19.80	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:00 PM	3.00	5.00	20.60	19.00	0.00	20.60	24.80	19.00	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:15 PM	5.00	6.00	22.50	19.30	0.00	22.50	18.60	19.30	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:30 PM	28.00	4.50	25.40	20.20	0.00	25.40	17.60	20.20	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 1:45 PM	43.00	5.30	0.00	22.90	0.00	0.00	16.50	22.90	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:00 PM	25.00	5.30	18.60	16.70	0.00	18.60	16.00	16.70	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:15 PM	37.00	5.20	15.10	18.00	2.90	15.10	26.90	18.00	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:30 PM	36.00	5.80	15.90	103.80	87.90	15.90	13.40	103.80	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 2:45 PM	0.00	0.00	0.00	0.00	0.00	0.00	13.40	108.50	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:00 PM	32.00	5.00	15.10	49.30	34.20	15.10	15.10	49.30	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:15 PM	356.00	3.00	29.00	13.80	0.00	14.80	13.80	30.80	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:30 PM	31.00	5.00	14.40	354.70	340.30	14.40	14.10	354.70	28.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 3:45 PM	35.00	5.60	12.50	60.20	47.70	12.50	14.10	60.20	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:00 PM	16.00	5.10	14.90	32.90	18.00	14.90	14.40	32.90	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:15 PM	19.00	4.40	14.90	32.90	18.00	14.90	14.40	32.90	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:30 PM	28.00	4.00	20.70	318.30	297.60	20.70	20.70	318.30	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 4:45 PM	28.00	5.00	59.90	541.60	481.70	59.90	32.50	541.60	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 5:00 PM	37.00	3.90	32.10	60.30	28.20	32.10	38.00	60.30	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 5:15 PM	56.00	4.20	0.00	186.50	0.00	0.00	25.80	186.50	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 5:30 PM	78.00	4.00	36.80	294.50	257.70	36.80	53.10	294.50	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 5:45 PM	67.00	4.80	44.80	538.60	493.80	44.80	52.20	538.60	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:00 PM	65.00	5.90	52.40	357.10	304.70	52.40	52.20	357.10	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:15 PM	107.00	4.30	117.30	32.00	0.00	112.00	117.30	1140.70	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:30 PM	82.00	4.00	85.00	161.40	76.40	85.00	15.50	161.40	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 6:45 PM	108.00	3.30	15.50	30.70	15.20	51.10	15.50	160.10	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:00 PM	78.00	3.90	88.70	499.80	411.10	88.70	26.50	499.80	33.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:15 PM	102.00	3.20	16.00	32.90	16.90	93.70	16.00	567.30	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:30 PM	73.00	4.40	27.20	37.20	10.00	27.20	13.30	37.20	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 7:45 PM	97.00	2.80	20.50	30.00	9.50	20.70	20.50	45.70	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:00 PM	81.00	3.20	25.60	37.80	12.20	25.60	14.20	37.80	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:15 PM	71.00	4.40	26.50	46.30	19.80	26.50	23.60	46.30	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:30 PM	74.00	4.40	29.00	42.70	13.70	29.00	15.50	42.70	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 8:45 PM	79.00	4.30	17.60	38.30	20.70	17.60	16.50	38.30	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:00 PM	65.00	4.30	0.00	34.00	0.00	0.00	11.90	34.00	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:15 PM	83.00	5.20	0.00	41.00	0.00	0.00	19.90	41.00	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:30 PM	68.00	4.00	9.10	39.00	29.90	9.10	16.80	39.00	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 9:45 PM	62.00	3.70	9.60	33.70	24.10	9.60	12.80	33.70	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:00 PM	152.00	1.90	12.80	29.50	16.70	13.20	12.80	36.60	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:15 PM	53.00	2.70	0.00	35.30	0.00	0.00	16.70	35.30	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:30 PM	55.00	3.10	13.20	31.30	18.10	13.20	16.70	31.30	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 10:45 PM	71.00	3.00	10.20	38.80	28.60	10.20	21.20	38.80	29.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:00 PM	81.00	2.60	9.30	42.10	32.80	9.30	18.50	42.10	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:15 PM	70.00	3.00	0.00	37.20	0.00	0.00	16.90	37.20	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:30 PM	65.00	2.90	0.00	46.60	0.00	0.00	16.90	46.60	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/22/15 11:45 PM	59.00	3.50	14.30	45.50	31.20	14.30	30.00	45.50	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:00 AM	93.00	1.00	19.80	29.50	9.70	14.40	19.80	39.80	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:15 AM	139.00	2.60	22.70	29.60	6.90	14.20	22.70	38.20	29.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:30 AM	129.00	2.00	31.60	29.80	0.00	16.40	31.60	40.90	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:45 AM	133.00	1.80	26.90	30.00	3.10	30.50	26.90	47.30	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:00 AM	125.00	1.30	27.80	29.70	1.90	25.40	27.80	44.80	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:15 AM	114.00	2.40	18.50	30.00	11.50	0.00	18.50	41.90	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:30 AM	123.00	2.30	20.40	30.80	10.40	52.20	20.40	40.00	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:45 AM	133.00	1.70	28.70	31.20	2.50	57.40	28.70	43.90	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:00 AM	172.00	2.10	28.70	31.10	2.40	51.10	28.70	45.10	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:15 AM	145.00	2.40	21.90	31.70	9.80	45.60	21.90	39.60	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:30 AM	161.00	2.10	20.50	31.20	10.70	42.20	20.50	36.60	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:45 AM	154.00	2.60	19.10	31.10	12.00	30.50	19.10	34.10	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:00 AM	167.00	2.80	13.90	30.50	16.60	19.60	13.90	33.20	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:15 AM	167.00	2.90	17.20	30.90	13.70	22.20	17.20	33.70	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:30 AM	157.00	2.70	24.80	31.10	6.30	20.00	24.80	40.50	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:45 AM	158.00	3.00	17.80	31.20	13.40	21.80	17.80	36.90	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:00 AM	161.00	2.40	15.00	31.00	16.00	22.30	15.00	34.70	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:15 AM	167.00	2.60	16.30	31.00	14.70	27.20	16.30	39.20	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/23/15 4:30 AM	151.00	3.80	19.10	31.10	12.00	0.00	19.10	34.50	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:45 AM	162.00	3.60	14.10	30.80	16.70	16.40	14.10	32.80	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:00 AM	155.00	3.20	12.70	30.70	18.00	18.20	12.70	31.40	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:15 AM	146.00	3.20	14.60	31.10	16.50	17.30	14.60	30.40	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:30 AM	159.00	3.00	16.10	31.20	15.10	19.60	16.10	29.80	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:45 AM	145.00	2.90	16.10	30.90	14.80	24.40	16.10	36.60	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:00 AM	161.00	2.60	17.00	31.10	14.10	24.60	17.00	34.50	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:15 AM	169.00	2.80	16.90	31.00	14.10	24.10	16.90	37.00	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:30 AM	178.00	3.50	11.90	31.00	19.10	25.30	11.90	30.20	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:45 AM	176.00	2.80	23.20	31.20	8.00	20.60	23.20	29.80	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:00 AM	153.00	3.30	19.70	31.20	11.50	23.10	19.70	30.00	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:15 AM	158.00	2.90	22.10	30.90	8.80	22.00	22.10	34.30	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:30 AM	160.00	4.40	38.80	31.20	0.00	23.60	38.80	29.20	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:45 AM	168.00	4.30	11.10	30.60	19.50	23.60	11.10	28.60	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:00 AM	170.00	4.10	14.50	30.60	16.10	15.20	14.50	29.00	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:15 AM	176.00	3.30	10.70	30.60	19.90	18.80	10.70	27.60	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:30 AM	156.00	4.00	25.20	30.50	5.30	13.50	25.20	28.00	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:45 AM	166.00	3.80	10.30	30.40	20.10	14.80	10.30	26.70	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:00 AM	169.00	4.50	11.50	30.50	19.00	11.90	11.50	27.00	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:15 AM	0.00	0.00	0.00	0.00	0.00	12.40	8.10	26.70	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:30 AM	164.00	4.20	8.80	30.30	21.50	11.90	8.80	27.20	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:45 AM	150.00	4.80	9.50	30.40	20.90	15.80	9.50	26.70	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:00 AM	165.00	3.80	10.40	30.60	20.20	0.00	10.40	27.70	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:15 AM	177.00	4.60	10.60	30.60	20.00	14.30	10.60	26.30	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:30 AM	175.00	3.60	10.60	30.60	20.00	12.90	10.60	26.30	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:45 AM	158.00	4.10	11.20	30.60	19.40	13.40	11.20	26.00	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:00 AM	169.00	3.50	12.00	30.50	18.50	0.00	12.00	27.10	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:15 AM	136.00	4.20	13.00	30.50	17.50	21.70	13.00	26.60	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:30 AM	153.00	4.40	11.40	30.50	19.10	16.90	11.40	31.60	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:45 AM	181.00	4.50	28.40	16.90	0.00	16.90	11.30	28.40	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:00 PM	170.00	3.40	13.80	30.40	16.60	16.60	13.80	28.90	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:15 PM	192.00	3.80	28.90	16.70	0.00	16.70	13.30	28.90	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:30 PM	208.00	4.50	30.20	17.20	0.00	17.20	37.00	30.20	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 12:45 PM	202.00	3.00	28.90	17.90	0.00	17.90	15.30	28.90	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:00 PM	219.00	4.60	28.90	18.90	0.00	18.90	14.80	28.90	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:15 PM	213.00	2.50	29.70	20.10	0.00	20.10	28.30	29.70	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:30 PM	159.00	2.80	17.10	30.50	13.40	21.90	17.10	29.90	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 1:45 PM	229.00	3.20	29.40	22.50	0.00	22.50	16.70	29.40	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:00 PM	221.00	5.40	28.10	19.90	0.00	19.90	14.50	28.10	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:15 PM	239.00	3.60	27.90	19.80	0.00	19.80	21.10	27.90	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:30 PM	254.00	4.30	28.20	22.30	0.00	22.30	14.40	28.20	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 2:45 PM	246.00	4.00	27.30	25.40	0.00	25.40	15.50	27.30	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:00 PM	197.00	2.60	27.40	25.50	0.00	25.50	14.90	27.40	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:15 PM	260.00	2.80	27.30	27.50	0.20	27.50	16.20	27.30	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:30 PM	199.00	3.60	26.10	28.30	2.20	28.30	14.70	26.10	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 3:45 PM	214.00	3.60	24.80	26.60	1.80	26.60	14.70	24.80	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:00 PM	69.00	4.00	24.60	22.30	0.00	24.60	11.40	22.30	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:15 PM	32.00	3.40	26.80	23.40	0.00	26.80	11.40	23.40	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:30 PM	74.00	4.30	0.00	23.20	0.00	0.00	13.60	23.20	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 4:45 PM	68.00	4.10	26.20	24.40	0.00	26.20	12.20	24.40	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:00 PM	91.00	4.40	16.80	31.00	14.20	30.30	16.80	25.30	31.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:15 PM	91.00	4.00	20.20	31.50	11.30	46.20	20.20	25.30	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:30 PM	74.00	3.60	86.20	39.40	0.00	86.20	35.00	39.40	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 5:45 PM	79.00	3.30	46.30	31.70	0.00	46.30	22.60	31.70	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:00 PM	109.00	4.30	21.20	32.60	11.40	79.50	21.20	36.20	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:15 PM	76.00	3.20	40.90	31.80	0.00	40.90	21.20	31.80	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:30 PM	67.00	4.20	47.30	33.70	0.00	47.30	27.90	33.70	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 6:45 PM	68.00	3.60	63.50	30.40	0.00	63.50	20.10	30.40	33.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:00 PM	78.00	3.40	29.10	30.70	1.60	29.10	89.90	30.70	32.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:15 PM	78.00	2.50	34.20	31.40	0.00	34.20	89.90	31.40	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:30 PM	77.00	3.00	20.70	30.20	9.50	20.70	18.60	30.20	30.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 7:45 PM	94.00	2.20	18.90	31.70	12.80	33.30	18.90	30.40	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:00 PM	99.00	1.70	17.80	31.50	13.70	25.40	17.80	30.50	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:15 PM	110.00	1.90	20.30	31.30	11.00	24.10	20.30	30.60	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:30 PM	118.00	2.40	18.30	31.10	12.80	27.30	18.30	30.60	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 8:45 PM	136.00	2.30	22.10	28.70	6.60	22.20	22.10	31.00	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:00 PM	131.00	1.70	21.30	31.80	10.50	24.30	21.30	30.80	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:15 PM	148.00	1.80	35.40	32.90	0.00	23.80	35.40	34.20	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:30 PM	164.00	2.50	40.00	31.50	0.00	26.60	40.00	36.40	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 9:45 PM	177.00	2.50	44.50	31.90	0.00	28.90	44.50	37.70	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:00 PM	182.00	3.50	41.70	0.00	0.00	0.00	47.10	41.70	32.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:15 PM	189.00	3.40	41.50	45.40	3.90	45.40	49.90	41.50	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:30 PM	172.00	3.30	56.50	32.20	0.00	44.40	56.50	43.50	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 10:45 PM	178.00	3.10	52.40	31.50	0.00	38.50	52.40	41.30	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:00 PM	189.00	2.70	39.10	35.10	0.00	35.10	44.50	39.10	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:15 PM	180.00	3.10	31.90	37.80	5.90	37.80	32.80	31.90	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:30 PM	183.00	2.60	30.80	36.10	5.30	36.10	33.50	30.80	31.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/23/15 11:45 PM	180.00	2.90	31.20	35.50	4.30	35.50	34.50	31.20	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:00 AM	179.00	2.20	29.60	31.80	2.20	39.10	29.60	31.10	31.80	0.00	2.80	2.80	2.80	0.00	0.00	0.00
5/24/15 12:15 AM	191.00	2.10	30.60	39.80	9.20	39.80	29.50	30.60	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:30 AM	168.00	2.00	28.50	31.50	3.00	34.50	28.50	29.20	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:45 AM	175.00	2.50	31.80	31.60	0.00	37.60	31.80	29.40	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:00 AM	173.00	2.60	28.00	31.30	3.30	34.00	28.00	29.80	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:15 AM	153.00	1.60	25.50	31.20	5.70	30.60	25.50	29.80	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:30 AM	184.00	1.80	29.80	29.70	0.00	29.70	25.30	29.80	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:45 AM	188.00	1.50	30.20	29.90	0.00	29.90	29.90	30.20	33.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:00 AM	159.00	2.20	27.90	32.60	4.70	32.20	27.90	31.10	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:15 AM	174.00	2.20	27.60	32.40	4.80	32.50	27.60	31.90	32.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:30 AM	166.00	1.80	31.80	32.30	0.50	34.10	31.80	33.30	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:45 AM	165.00	2.40	31.80	32.10	0.30	37.90	31.80	33.80	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:00 AM	166.00	2.50	35.50	32.00	0.00	38.20	35.50	33.50	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:15 AM	163.00	2.50	39.00	32.20	0.00	36.90	39.00	34.80	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:30 AM	167.00	2.80	35.80	31.80	0.00	40.10	35.80	34.60	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:45 AM	177.00	2.10	36.10	32.00	0.00	40.00	36.10	33.10	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:00 AM	156.00	2.20	43.40	31.70	0.00	35.30	43.40	33.10	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:15 AM	170.00	1.70	36.00	31.60	0.00	0.00	36.00	32.50	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:30 AM	158.00	1.90	34.00	31.50	0.00	35.20	34.00	32.80	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:45 AM	150.00	2.20	33.10	31.60	0.00	32.70	33.10	32.90	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:00 AM	152.00	2.20	34.80	31.60	0.00	32.30	34.80	37.50	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:15 AM	144.00	1.50	34.10	31.70	0.00	35.60	34.10	39.70	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:30 AM	151.00	1.50	35.30	31.70	0.00	34.90	35.30	34.70	31.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/24/15 5:45 AM	141.00	2.50	35.30	31.80	0.00	34.60	35.30	34.20	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:00 AM	157.00	1.10	33.00	31.80	0.00	42.10	33.00	37.60	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:15 AM	146.00	2.30	41.50	31.80	0.00	37.90	41.50	37.20	31.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:30 AM	155.00	2.60	40.00	31.90	0.00	40.80	40.00	38.20	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:45 AM	166.00	2.00	44.50	32.20	0.00	38.90	44.50	40.80	32.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:00 AM	181.00	2.80	43.20	36.40	0.00	36.40	46.10	43.20	32.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:15 AM	172.00	1.30	42.50	35.30	0.00	32.20	42.50	42.00	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:30 AM	256.00	1.40	39.70	30.60	0.00	30.60	36.40	39.70	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:45 AM	295.00	1.90	30.90	38.80	7.90	29.80	38.80	38.50	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:00 AM	84.00	0.60	33.60	37.60	4.00	33.60	36.70	37.60	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:15 AM	208.00	1.20	37.60	33.60	0.00	33.60	36.70	37.60	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:30 AM	64.00	1.00	0.00	37.30	0.00	0.00	33.50	37.30	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:45 AM	168.00	1.30	35.60	1883.30	1847.70	30.70	35.60	36.90	1883.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:00 AM	108.00	2.30	33.80	1898.00	1864.20	30.70	33.80	36.90	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:15 AM	123.00	2.10	32.80	1898.00	1865.20	30.40	32.80	36.30	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:30 AM	108.00	2.40	32.90	1898.10	1865.20	30.40	32.90	37.60	1898.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:45 AM	125.00	2.50	32.60	1898.10	1865.50	32.70	32.60	38.20	1898.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:00 AM	116.00	2.40	32.60	1898.00	1865.40	32.70	32.60	37.70	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:15 AM	135.00	2.50	51.40	1898.00	1846.60	58.80	51.40	148.90	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:30 AM	108.00	3.60	52.70	1898.00	1845.30	0.00	52.70	57.10	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:45 AM	149.00	4.30	35.80	1898.10	1862.30	39.30	35.80	56.20	1898.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:00 AM	147.00	3.60	35.80	1898.00	1862.20	32.30	35.80	39.00	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:15 AM	128.00	3.90	28.00	1898.10	1870.10	34.70	28.00	35.90	1898.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:30 AM	126.00	1.90	25.40	1898.00	1872.60	32.00	25.40	32.90	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:45 AM	75.00	2.40	34.10	33.10	0.00	34.10	25.40	33.10	1898.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:00 PM	148.00	4.40	21.20	1897.00	1875.80	31.30	21.20	34.30	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:15 PM	119.00	2.40	21.10	1897.00	1875.90	31.30	21.10	30.10	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:30 PM	122.00	4.50	26.90	1897.00	1870.10	35.50	26.90	31.20	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 12:45 PM	141.00	4.20	28.00	1897.10	1869.10	35.50	28.00	42.80	1897.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:00 PM	145.00	5.20	25.50	1897.00	1871.50	32.70	25.50	34.00	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:15 PM	120.00	2.40	23.10	1897.00	1873.90	31.50	23.10	38.10	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:30 PM	91.00	3.80	22.50	1897.00	1874.50	26.70	22.50	31.80	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 1:45 PM	98.00	2.40	22.70	1897.00	1874.30	29.00	22.70	33.10	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:00 PM	70.00	3.70	28.50	32.90	4.40	28.50	25.60	32.90	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:15 PM	78.00	4.50	33.70	33.00	0.00	33.70	27.60	33.00	1897.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:30 PM	70.00	6.40	31.00	35.10	4.10	31.00	30.50	35.10	318.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 2:45 PM	100.00	2.50	27.90	0.80	0.00	29.20	27.90	35.90	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:00 PM	78.00	4.80	35.60	37.90	2.30	35.60	28.80	37.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:15 PM	68.00	4.90	30.60	35.90	5.30	30.60	26.80	35.90	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:30 PM	49.00	2.80	29.40	35.10	5.70	29.40	30.20	35.10	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 3:45 PM	159.00	2.40	25.40	0.80	0.00	27.20	25.40	34.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:00 PM	167.00	3.70	27.10	0.90	0.00	28.90	27.10	35.70	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:15 PM	209.00	3.40	34.90	30.70	0.00	30.70	28.30	34.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:30 PM	186.00	2.20	36.50	29.90	0.00	29.90	29.90	36.50	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 4:45 PM	158.00	2.90	29.90	0.90	0.00	31.00	29.90	39.40	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:00 PM	138.00	1.60	32.70	0.90	0.00	30.10	32.70	37.20	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:15 PM	302.00	4.50	1.10	31.50	30.40	32.90	31.50	35.70	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:30 PM	348.00	4.10	0.80	34.10	33.30	32.10	34.10	35.80	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 5:45 PM	70.00	3.50	34.60	32.00	0.00	34.60	39.30	32.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:00 PM	313.00	3.40	1.00	40.40	39.40	32.80	40.40	33.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:15 PM	10.00	3.10	37.00	32.10	0.00	37.00	40.40	32.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:30 PM	26.00	3.30	45.60	37.60	0.00	45.60	44.80	37.60	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 6:45 PM	64.00	2.60	45.60	37.60	0.00	45.60	44.80	37.60	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:00 PM	85.00	1.40	46.80	37.60	0.00	46.80	44.80	37.60	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:15 PM	86.00	1.30	41.70	44.30	2.60	41.70	55.20	44.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:30 PM	97.00	1.60	58.80	1.00	0.00	0.00	58.80	34.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 7:45 PM	160.00	0.60	58.80	1.00	0.00	0.00	58.80	35.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:00 PM	158.00	0.50	48.60	1.20	0.00	33.20	48.60	38.80	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:15 PM	142.00	1.20	57.70	1.10	0.00	33.20	57.70	48.30	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:30 PM	168.00	2.70	58.70	1.50	0.00	38.90	58.70	42.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 8:45 PM	168.00	3.50	91.20	1.30	0.00	38.90	91.20	60.10	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:00 PM	183.00	6.60	71.30	58.20	0.00	58.20	88.00	71.30	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:15 PM	172.00	5.60	88.00	2.30	0.00	62.10	88.00	70.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:30 PM	183.00	7.10	70.30	45.40	0.00	45.40	88.00	70.30	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 9:45 PM	178.00	7.90	88.00	2.10	0.00	37.30	88.00	45.40	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:00 PM	167.00	5.70	44.70	1.20	0.00	32.80	44.70	38.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:15 PM	177.00	6.70	48.40	1.20	0.00	35.50	48.40	38.50	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:30 PM	173.00	6.80	36.80	0.90	0.00	31.20	36.80	33.30	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 10:45 PM	186.00	8.10	29.20	30.80	1.60	30.80	34.30	29.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:00 PM	172.00	5.20	32.90	1.00	0.00	29.60	32.90	29.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:15 PM	176.00	7.00	33.10	1.00	0.00	0.00	33.10	27.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:30 PM	183.00	8.30	28.40	31.00	2.60	31.00	32.80	28.40	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/24/15 11:45 PM	178.00	6.50	32.80	1.00	0.00	31.00	32.80	29.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:00 AM	185.00	8.10	29.40	31.20	1.80	31.20	32.90	29.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:15 AM	177.00	6.50	32.90	1.00	0.00	30.50	32.90	29.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:30 AM	173.00	7.50	32.80	1.00	0.00	30.30	32.80	29.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:45 AM	178.00	7.90	32.80	1.00	0.00	30.30	32.80	29.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:00 AM	168.00	5.80	32.80	1.00	0.00	30.30	32.80	29.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:15 AM	180.00	6.60	30.00	31.70	1.70	31.70	32.80	30.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:30 AM	178.00	5.90	33.80	1.20	0.00	31.20	33.80	37.40	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:45 AM	180.00	6.80	30.40	30.50	0.10	30.50	32.10	30.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:00 AM	173.00	8.00	30.90	1.00	0.00	29.30	30.90	29.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:15 AM	192.00	6.80	29.00	28.30	0.00	28.30	30.20	29.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:30 AM	176.00	6.20	30.90	1.00	0.00	28.80	30.90	29.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:45 AM	188.00	6.30	29.90	28.80	0.00	28.80	30.90	29.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:00 AM	188.00	6.60	29.80	28.10	0.00	28.10	30.10	29.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:15 AM	195.00	8.30	30.10	28.40	0.00	28.40	29.90	30.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:30 AM	188.00	4.80	30.60	27.40	0.00	27.40	29.90	30.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:45 AM	189.00	6.70	30.90	27.30	0.00	27.30	29.40	30.90	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:00 AM	186.00	7.30	31.30	27.40	0.00	27.40	29.30	31.30	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:15 AM	187.00	5.70	31.60	27.70	0.00	27.70	29.20	31.60	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:30 AM	189.00	7.90	30.60	26.60	0.00	26.60	28.70	30.60	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:45 AM	196.00	6.90	28.50	21.80	0.00	21.80	25.60	28.50	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:00 AM	196.00	7.10	26.10	18.20	0.00	18.20	25.60	26.10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:15 AM	197.00	6.60	26.10	17.90	0.00	17.90	21.10	26.10	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:30 AM	187.00	6.60	26.30	15.90	0.00	15.90	20.90	26.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:45 AM	177.00	6.30	21.60	0.50	0.00	14.70	21.60	26.60	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:00 AM	193.00	6.50	27.00	15.70	0.00	15.70	21.80	27.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:15 AM	184.00	6.40	26.50	15.40	0.00	15.40	22.00	26.50	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	22.00	27.20	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:45 AM	189.00	8.00	29.70	17.90	0.00	17.90	24.60	29.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/25/15 7:00 AM	195.00	7.80	31.00	19.40	0.00	19.40	25.90	31.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:15 AM	180.00	9.80	35.10	22.90	0.00	22.90	32.80	35.10	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:30 AM	186.00	6.80	36.40	22.00	0.00	22.00	35.10	36.40	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:45 AM	192.00	5.50	34.50	21.00	0.00	21.00	34.00	34.50	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:00 AM	198.00	8.10	32.90	19.40	0.00	19.40	35.60	32.90	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:15 AM	205.00	8.40	32.30	18.90	0.00	18.90	34.70	32.30	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:30 AM	200.00	8.40	30.40	16.00	0.00	16.00	32.00	30.40	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:45 AM	203.00	6.90	32.60	16.70	0.00	16.70	34.70	32.60	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:00 AM	195.00	5.30	31.50	15.80	0.00	15.80	34.10	31.50	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:15 AM	204.00	7.40	30.60	16.30	0.00	16.30	32.10	30.60	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:30 AM	212.00	9.00	27.60	15.10	0.00	15.10	31.30	27.60	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:45 AM	193.00	10.80	24.60	14.30	0.00	14.30	31.30	24.60	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:00 AM	211.00	7.70	22.70	14.50	0.00	14.50	26.10	22.70	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:15 AM	218.00	5.60	19.50	12.90	0.00	12.90	23.70	19.50	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:30 AM	231.00	7.40	17.80	10.70	0.00	10.70	22.10	17.80	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:45 AM	218.00	6.90	16.90	8.40	0.00	8.40	19.50	16.90	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:00 AM	228.00	10.90	12.80	8.40	0.00	8.40	16.40	12.80	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:15 AM	226.00	8.10	14.80	8.60	0.00	8.60	17.50	14.80	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:30 AM	220.00	6.30	19.90	9.60	0.00	9.60	21.00	19.90	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:45 AM	217.00	6.50	23.00	0.00	0.00	0.00	22.60	23.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:00 PM	210.00	10.40	22.30	10.70	0.00	10.70	20.50	22.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:15 PM	216.00	10.00	17.20	8.30	0.00	8.30	17.10	17.20	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:30 PM	235.00	8.70	16.10	7.30	0.00	7.30	15.60	16.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 12:45 PM	254.00	8.10	13.00	6.80	0.00	6.80	14.30	13.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:00 PM	244.00	6.60	9.20	5.50	0.00	5.50	12.20	9.20	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:15 PM	235.00	6.60	9.10	0.00	0.00	0.00	10.90	9.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:30 PM	249.00	6.50	6.10	4.90	0.00	4.90	9.60	6.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 1:45 PM	236.00	7.10	6.50	4.50	0.00	4.50	10.00	6.50	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:00 PM	236.00	9.90	8.10	5.60	0.00	5.60	12.00	8.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:15 PM	233.00	8.40	12.00	6.00	0.00	6.00	12.40	12.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:30 PM	244.00	10.00	11.00	9.50	0.00	9.50	12.70	11.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 2:45 PM	231.00	6.90	9.00	6.10	0.00	6.10	12.80	9.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:00 PM	219.00	9.00	7.30	4.20	0.00	4.20	10.90	7.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:15 PM	220.00	5.90	4.50	5.00	0.50	5.00	8.60	4.50	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:30 PM	243.00	5.90	3.20	5.10	1.90	5.10	7.20	3.20	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 3:45 PM	224.00	7.20	2.10	5.10	3.00	5.10	6.80	2.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:00 PM	227.00	7.40	1.50	5.60	4.10	5.60	5.90	1.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:15 PM	230.00	6.40	1.00	5.50	4.50	5.50	5.50	1.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:30 PM	212.00	6.60	0.60	5.50	4.90	5.50	4.80	0.60	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 4:45 PM	217.00	5.10	0.30	5.20	4.90	5.20	4.10	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:00 PM	222.00	7.60	0.30	5.20	4.90	5.20	4.10	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:15 PM	227.00	5.50	0.50	0.00	0.00	0.00	3.70	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:30 PM	223.00	5.60	0.40	5.30	4.90	5.30	4.00	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 5:45 PM	227.00	6.00	0.40	5.20	4.80	5.20	3.10	0.40	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:00 PM	243.00	6.20	0.30	5.50	5.20	5.50	3.40	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:15 PM	231.00	4.20	0.30	5.80	5.50	5.80	3.00	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:30 PM	224.00	6.00	0.20	5.70	5.50	5.70	3.20	0.20	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 6:45 PM	225.00	5.40	0.20	6.30	6.10	6.30	3.20	0.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.30	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:15 PM	233.00	2.40	0.20	4.70	4.50	4.70	2.00	0.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:30 PM	226.00	1.30	0.40	5.20	4.80	5.20	2.20	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 7:45 PM	206.00	2.70	0.40	4.90	4.50	4.90	2.20	0.40	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:00 PM	200.00	2.80	0.50	4.90	4.40	4.90	2.40	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:15 PM	0.00	0.00	0.00	0.00	0.00	4.60	2.40	0.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:30 PM	188.00	2.30	0.90	4.50	3.60	4.50	2.20	0.90	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 8:45 PM	175.00	2.50	2.40	0.40	0.00	4.70	2.40	1.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:00 PM	191.00	3.00	1.20	0.00	0.00	0.00	2.40	1.20	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:15 PM	182.00	1.90	1.40	5.50	4.10	5.50	2.70	1.40	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:30 PM	202.00	1.80	1.80	7.10	5.30	7.10	3.00	1.80	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 9:45 PM	185.00	3.30	2.70	7.90	5.20	7.90	4.30	2.70	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:00 PM	192.00	5.20	4.70	13.10	8.40	13.10	6.70	4.70	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:15 PM	193.00	6.40	5.20	10.30	5.10	10.30	6.40	5.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:30 PM	190.00	5.70	5.90	0.00	0.00	0.00	6.60	5.90	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 10:45 PM	200.00	5.80	6.10	9.60	3.50	9.60	6.60	6.10	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:00 PM	199.00	6.10	9.10	10.70	1.60	10.70	6.80	9.10	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:15 PM	190.00	6.20	12.70	11.00	0.00	11.00	8.70	12.70	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:30 PM	188.00	4.80	16.70	11.70	0.00	11.70	10.20	16.70	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/25/15 11:45 PM	194.00	4.40	21.60	11.70	0.00	11.70	12.80	21.60	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:00 AM	195.00	4.00	21.90	11.90	0.00	11.90	13.60	21.90	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:15 AM	201.00	5.50	21.90	10.90	0.00	10.90	13.30	21.90	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:30 AM	201.00	3.90	21.00	10.70	0.00	10.70	13.00	21.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:45 AM	202.00	5.80	21.00	10.70	0.00	10.70	13.00	21.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:00 AM	193.00	4.90	21.00	10.70	0.00	10.70	13.00	21.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:15 AM	201.00	5.60	20.80	10.70	0.00	10.70	13.00	20.80	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:30 AM	193.00	4.30	20.80	10.70	0.00	10.70	13.00	20.80	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:45 AM	196.00	4.90	20.80	10.70	0.00	10.70	13.00	20.80	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:00 AM	188.00	4.50	21.20	10.80	0.00	10.80	13.00	21.20	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:15 AM	191.00	5.30	21.60	10.90	0.00	10.90	13.00	21.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:30 AM	193.00	5.70	21.60	10.90	0.00	10.90	14.50	21.60	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:45 AM	190.00	4.70	23.00	11.80	0.00	11.80	15.40	23.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:00 AM	181.00	5.10	24.20	11.80	0.00	11.80	15.40	24.20	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:15 AM	193.00	4.70	25.50	13.10	0.00	13.10	17.20	25.50	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:30 AM	190.00	3.50	26.60	12.70	0.00	12.70	17.20	26.60	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:45 AM	190.00	4.60	27.60	12.60	0.00	12.60	18.60	27.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:00 AM	187.00	3.20	28.20	12.60	0.00	12.60	20.00	28.20	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:15 AM	180.00	5.20	28.90	12.60	0.00	12.60	20.40	28.90	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:30 AM	180.00	4.80	28.80	12.60	0.00	12.60	20.40	28.80	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:45 AM	181.00	4.10	29.50	12.60	0.00	12.60	20.40	29.50	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:00 AM	181.00	4.40	30.20	12.60	0.00	12.60	20.40	30.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:15 AM	197.00	4.90	30.70	12.60	0.00	12.60	21.80	30.70	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:30 AM	195.00	4.90	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:45 AM	198.00	5.30	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:00 AM	182.00	5.20	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:15 AM	194.00	5.90	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:30 AM	188.00	5.60	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:45 AM	183.00	5.30	31.10	12.60	0.00	12.60	21.80	31.10	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:00 AM	184.00	3.30	33.00	12.60	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:15 AM	173.00	4.50	21.80	2.10	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:30 AM	169.00	5.20	21.80	2.10	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:45 AM	160.00	4.40	21.80	2.10	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:00 AM	171.00	5.80	21.80	2.10	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Retrieved from www.indianaharbordredge.com

US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/26/15 8:15 AM	187.00	3.60	33.00	12.60	0.00	12.60	21.80	33.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:30 AM	0.00	0.00	0.00	0.00	0.00	12.60	24.60	34.40	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:45 AM	0.00	0.00	0.00	0.00	0.00	12.60	24.60	34.40	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:00 AM	172.00	6.10	24.60	2.10	0.00	12.60	24.60	34.50	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:15 AM	161.00	5.20	24.90	2.10	0.00	12.60	24.90	35.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:30 AM	171.00	6.40	24.90	2.10	0.00	12.60	24.90	35.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:45 AM	176.00	7.60	24.90	2.30	0.00	12.30	24.90	35.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:00 AM	168.00	4.40	24.90	2.40	0.00	12.30	24.90	35.30	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:15 AM	169.00	6.80	24.90	2.40	0.00	12.30	24.90	35.30	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:30 AM	178.00	6.40	25.40	2.40	0.00	12.00	25.40	35.60	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:45 AM	172.00	7.00	24.40	3.50	0.00	0.00	24.40	35.60	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:00 AM	0.00	0.00	0.00	0.00	0.00	13.40	23.60	30.90	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:15 AM	164.00	8.00	22.90	5.10	0.00	16.60	22.90	27.80	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:30 AM	181.00	8.60	21.20	21.70	0.50	21.70	21.00	21.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:45 AM	155.00	7.80	21.00	8.80	0.00	21.70	21.00	21.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:00 PM	167.00	8.60	21.00	8.80	0.00	22.50	21.00	21.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:15 PM	158.00	7.30	21.00	9.80	0.00	24.90	21.00	20.80	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:30 PM	171.00	8.20	22.00	10.40	0.00	25.40	22.00	20.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 12:45 PM	191.00	9.00	20.80	25.90	5.10	25.90	23.10	20.80	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:00 PM	179.00	7.80	21.70	10.70	0.00	25.90	21.70	18.40	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:15 PM	182.00	10.60	15.70	25.90	10.20	25.90	21.20	15.70	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:30 PM	230.00	11.10	14.90	22.90	8.00	22.90	21.40	14.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 1:45 PM	199.00	6.80	20.10	23.70	3.60	23.70	20.60	20.10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:00 PM	193.00	4.20	25.50	26.60	1.10	26.60	27.30	25.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:15 PM	199.00	5.30	29.90	23.70	0.00	23.70	28.00	29.90	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:30 PM	201.00	4.80	26.80	15.20	0.00	15.20	21.90	26.80	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 2:45 PM	208.00	6.60	6.40	5.90	0.00	5.90	9.40	6.40	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:00 PM	194.00	8.00	6.70	6.10	0.00	6.10	8.70	6.70	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:15 PM	206.00	6.70	8.10	7.00	0.00	7.00	10.90	8.10	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:30 PM	220.00	9.40	12.40	6.90	0.00	6.90	12.00	12.40	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 3:45 PM	212.00	5.10	10.00	7.00	0.00	7.00	11.50	10.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:00 PM	191.00	5.10	10.00	7.00	0.00	7.00	11.50	10.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:15 PM	200.00	6.40	6.90	6.00	0.00	6.00	8.50	6.90	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:30 PM	202.00	6.90	5.90	6.30	0.40	6.30	8.00	5.90	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 4:45 PM	206.00	5.50	4.90	0.00	0.00	0.00	8.00	4.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:00 PM	203.00	7.80	4.70	6.30	1.60	6.30	6.60	4.70	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:15 PM	204.00	9.30	4.70	6.00	1.30	6.00	0.00	4.70	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:30 PM	207.00	6.70	4.60	6.00	1.40	6.00	6.10	4.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 5:45 PM	219.00	7.40	3.90	5.70	1.80	5.70	5.90	3.90	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:00 PM	206.00	6.00	3.20	6.20	3.00	6.20	5.70	3.20	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:15 PM	224.00	7.60	0.70	5.60	4.90	5.60	3.80	0.70	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:30 PM	224.00	7.80	0.80	5.80	5.00	5.80	3.40	0.80	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 6:45 PM	213.00	8.20	1.10	5.90	4.80	5.90	3.70	1.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:00 PM	224.00	7.30	5.40	4.60	0.00	4.60	3.10	5.40	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:15 PM	226.00	7.00	0.30	4.20	3.90	4.20	2.60	0.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:30 PM	209.00	5.50	0.10	3.50	3.40	3.50	2.30	0.10	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 7:45 PM	203.00	5.30	0.30	3.40	3.10	3.40	2.40	0.30	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:00 PM	219.00	5.80	0.50	4.30	3.80	4.30	2.40	0.50	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:15 PM	222.00	5.30	0.90	4.50	3.60	4.50	2.60	0.90	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:30 PM	214.00	5.00	1.60	4.70	3.10	4.70	3.00	1.60	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 8:45 PM	216.00	4.50	2.20	0.00	0.00	0.00	3.50	2.20	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:00 PM	206.00	4.70	3.10	5.60	2.50	5.60	4.10	3.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:15 PM	203.00	3.80	3.20	5.50	2.30	5.50	0.00	3.20	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:30 PM	211.00	3.20	2.60	4.90	2.30	4.90	3.80	2.60	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 9:45 PM	202.00	4.20	1.40	4.50	3.10	4.50	3.20	1.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:00 PM	195.00	3.90	1.70	4.70	3.00	4.70	3.20	1.70	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:15 PM	192.00	4.10	2.00	4.90	2.90	4.90	3.40	2.00	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:30 PM	187.00	5.20	2.30	5.40	3.10	5.40	3.40	2.30	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 10:45 PM	187.00	4.30	2.50	5.40	2.90	5.40	3.70	2.50	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:00 PM	195.00	4.90	3.20	6.20	3.00	6.20	0.00	3.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:15 PM	200.00	4.90	3.50	5.80	2.30	5.80	0.00	3.50	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:30 PM	192.00	5.00	7.20	6.10	0.00	6.10	4.30	7.20	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/26/15 11:45 PM	191.00	5.30	8.00	5.90	0.00	5.90	5.20	8.00	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:00 AM	199.00	7.00	9.00	6.30	0.00	6.30	5.90	9.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:15 AM	191.00	6.70	9.20	6.00	0.00	6.00	6.40	9.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:30 AM	199.00	6.40	9.30	5.60	0.00	5.60	0.00	9.30	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:45 AM	199.00	5.00	9.00	5.60	0.00	5.60	6.60	9.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:00 AM	191.00	6.10	8.70	5.70	0.00	5.70	6.50	8.70	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:15 AM	208.00	4.70	7.90	5.80	0.00	5.80	6.40	7.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:30 AM	214.00	6.50	7.50	6.20	0.00	6.20	6.50	7.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:45 AM	227.00	7.70	7.10	6.30	0.00	6.30	6.40	7.10	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:00 AM	222.00	8.30	6.90	0.00	0.00	0.00	6.40	6.90	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:15 AM	214.00	5.40	7.00	6.80	0.00	6.80	6.30	7.00	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:30 AM	200.00	4.80	7.40	7.00	0.00	7.00	6.80	7.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:45 AM	208.00	5.80	7.50	7.50	0.00	7.50	6.60	7.50	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:00 AM	203.00	8.00	4.60	5.00	0.40	5.00	5.60	4.60	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:15 AM	200.00	4.80	3.20	4.70	1.50	4.70	4.50	3.20	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:30 AM	214.00	4.10	3.20	5.10	1.90	5.10	4.40	3.20	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:45 AM	208.00	4.10	6.70	8.00	1.30	8.00	0.00	6.70	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:00 AM	216.00	4.30	7.60	0.00	0.00	0.00	0.00	7.60	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:15 AM	208.00	5.60	7.90	7.50	0.00	7.50	6.70	7.90	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:30 AM	199.00	7.50	8.50	0.00	0.00	0.00	6.70	8.50	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:45 AM	214.00	4.20	8.90	8.00	0.00	8.00	7.00	8.90	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:00 AM	213.00	4.50	9.20	7.90	0.00	7.90	7.30	9.20	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:15 AM	219.00	6.20	9.60	8.10	0.00	8.10	7.10	9.60	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:30 AM	207.00	4.10	10.10	8.00	0.00	8.00	7.70	10.10	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:45 AM	214.00	4.50	10.30	0.00	0.00	0.00	7.70	10.30	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:00 AM	214.00	4.90	10.60	8.50	0.00	8.50	7.70	10.60	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:15 AM	212.00	5.00	10.50	7.80	0.00	7.80	7.70	10.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:30 AM	207.00	4.20	10.90	8.00	0.00	8.00	7.70	10.90	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:45 AM	210.00	3.40	11.30	7.90	0.00	7.90	8.30	11.30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:00 AM	217.00	4.80	11.30	7.90	0.00	7.90	8.30	11.30	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:15 AM	232.00	5.00	11.60	9.10	0.00	9.10	8.40	11.60	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:30 AM	217.00	3.60	11.60	9.20	0.00	9.20	8.40	11.60	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:45 AM	205.00	5.20	10.90	9.10	0.00	9.10	8.70	10.90	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:00 AM	215.00	6.40	10.40	9.30	0.00	9.30	8.00	10.40	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:15 AM	243.00	6.40	10.00	9.10	0.00	9.10	7.30	10.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:30 AM	231.00	6.60	10.40	9.30	0.00	9.30	7.40	10.40	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:45 AM	226.00	8.10	10.80	9.20	0.00	9.20	8.00	10.80	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:00 AM	0.00	0.00	0.00	0.00	0.00	9.80	7.80	10.70	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:45 AM	245.00	7.20	8.90	11.50	2.60	11.50	9.30	8.90	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/27/15 10:00 AM	218.00	8.10	6.70	10.80	4.10	10.80	8.60	6.70	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:15 AM	241.00	8.40	5.60	10.50	4.90	10.50	7.90	5.60	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:30 AM	230.00	6.40	5.20	10.80	5.60	10.80	7.80	5.20	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:45 AM	234.00	6.50	3.60	9.70	6.10	9.70	7.20	3.60	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:00 AM	231.00	6.80	3.60	0.00	0.00	0.00	7.20	3.60	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:15 AM	259.00	7.80	2.10	9.60	7.50	9.60	6.70	2.10	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:30 AM	256.00	6.20	1.60	8.80	7.20	8.80	6.50	1.60	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:45 AM	247.00	7.30	1.20	9.50	8.30	9.50	6.60	1.20	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:00 PM	241.00	8.30	1.10	10.10	9.00	10.10	6.40	1.10	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:15 PM	239.00	6.90	1.80	12.60	10.80	12.60	6.60	1.80	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:30 PM	238.00	10.30	1.90	12.20	10.30	12.20	11.50	1.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 12:45 PM	235.00	9.20	1.90	11.40	9.50	11.40	7.60	1.90	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:00 PM	258.00	8.00	1.50	8.50	7.00	8.50	6.70	1.50	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:15 PM	294.00	9.00	6.40	6.60	0.20	0.00	6.60	1.60	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:30 PM	292.00	6.00	6.70	8.40	1.70	10.50	8.40	1.90	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 1:45 PM	266.00	5.10	3.00	11.30	8.30	11.30	7.90	3.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:00 PM	271.00	5.10	7.40	10.60	3.20	10.60	10.60	3.40	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:15 PM	276.00	5.00	7.40	8.60	1.20	10.60	8.60	3.20	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:30 PM	256.00	6.70	4.80	8.70	3.90	8.70	7.50	4.80	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 2:45 PM	247.00	7.20	4.90	0.00	0.00	0.00	7.50	4.90	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:00 PM	282.00	6.10	5.20	6.70	1.50	7.20	6.70	4.60	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:15 PM	248.00	4.80	6.00	6.30	0.30	6.30	8.10	6.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:30 PM	313.00	6.00	3.10	6.80	3.70	9.20	6.80	3.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 3:45 PM	280.00	4.40	3.10	5.60	2.50	5.30	5.60	3.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:00 PM	278.00	6.50	4.60	5.50	0.90	6.10	5.50	3.40	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:15 PM	302.00	6.90	3.70	5.20	1.50	4.30	5.20	3.00	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:30 PM	318.00	6.10	4.60	5.30	0.70	6.80	5.30	2.50	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 4:45 PM	295.00	4.30	4.70	5.30	0.60	5.00	5.30	4.40	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:00 PM	301.00	6.60	5.10	4.50	0.00	6.30	4.50	4.20	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:15 PM	290.00	4.50	4.00	5.20	1.20	0.00	5.20	3.90	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:30 PM	320.00	4.70	3.60	6.10	2.50	4.80	6.10	4.20	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 5:45 PM	309.00	5.00	4.30	5.60	1.30	3.90	5.60	2.00	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:00 PM	357.00	4.50	3.80	6.30	2.50	4.40	6.30	3.90	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:15 PM	357.00	5.10	3.60	5.70	2.10	3.80	5.70	3.70	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:30 PM	348.00	3.80	2.70	5.30	2.60	3.50	5.30	2.80	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 6:45 PM	6.00	4.60	5.20	2.70	0.00	5.20	6.20	2.70	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:00 PM	9.00	3.00	5.20	3.30	0.00	5.20	6.20	3.30	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:15 PM	354.00	4.00	3.80	7.50	3.70	5.00	7.50	6.60	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:30 PM	14.00	2.50	4.40	8.80	4.40	4.40	7.30	8.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 7:45 PM	38.00	3.10	9.40	9.80	0.40	9.40	0.00	9.80	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:00 PM	39.00	2.50	10.80	13.00	2.20	10.80	6.60	13.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:15 PM	33.00	1.70	5.30	15.60	10.30	5.30	12.20	15.60	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:30 PM	53.00	2.20	4.80	15.20	10.40	4.80	8.80	15.20	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 8:45 PM	84.00	1.40	6.10	17.50	11.40	6.10	9.90	17.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:00 PM	128.00	2.30	8.40	4.90	0.00	5.70	8.40	24.70	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:15 PM	120.00	2.40	11.70	3.90	0.00	7.40	11.70	21.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:30 PM	136.00	2.20	10.40	3.80	0.00	15.90	10.40	28.40	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 9:45 PM	136.00	2.80	26.10	3.50	0.00	0.00	26.10	27.60	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:00 PM	115.00	2.10	19.80	15.10	0.00	43.70	19.80	23.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:15 PM	136.00	2.30	8.50	12.80	4.30	35.70	8.50	23.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:30 PM	145.00	1.20	8.50	10.10	1.60	10.40	8.50	24.40	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 10:45 PM	163.00	1.20	13.80	10.00	0.00	12.30	13.80	27.60	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:00 PM	173.00	1.60	13.60	13.30	0.00	20.50	13.60	29.60	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:15 PM	187.00	1.40	31.10	14.20	0.00	14.20	13.60	31.10	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:30 PM	181.00	1.10	33.80	20.40	0.00	20.40	18.30	33.80	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/27/15 11:45 PM	180.00	1.00	37.10	27.50	0.00	27.50	15.90	37.10	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:00 AM	193.00	1.00	40.30	22.60	0.00	22.60	23.70	40.30	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:15 AM	205.00	1.00	42.00	28.60	0.00	28.60	24.40	42.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:30 AM	146.00	1.00	29.50	17.10	0.00	27.60	29.50	50.30	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:45 AM	138.00	1.30	35.10	20.40	0.00	32.50	35.10	54.80	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:00 AM	196.00	1.50	52.20	26.40	0.00	26.40	32.80	52.20	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:15 AM	194.00	1.70	54.90	27.20	0.00	27.20	33.80	54.90	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:30 AM	196.00	1.40	44.50	31.30	0.00	31.30	0.00	44.50	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:45 AM	196.00	1.50	43.50	30.10	0.00	30.10	34.70	43.50	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:00 AM	206.00	1.40	42.00	30.20	0.00	30.20	31.80	42.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:15 AM	197.00	1.30	43.20	24.20	0.00	24.20	27.70	43.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:30 AM	189.00	1.10	43.20	23.60	0.00	23.60	29.50	43.20	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:45 AM	183.00	0.70	40.60	23.60	0.00	23.60	29.20	40.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:00 AM	162.00	0.80	28.30	15.70	0.00	23.00	28.30	39.70	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:15 AM	199.00	0.60	31.40	38.70	7.30	38.70	40.30	31.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:30 AM	210.00	1.10	30.30	25.30	0.00	25.30	43.50	30.30	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:45 AM	184.00	1.00	30.50	20.90	0.00	20.90	0.00	30.50	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:00 AM	169.00	1.00	26.90	12.70	0.00	0.00	26.90	30.60	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:15 AM	189.00	1.10	30.60	19.60	0.00	19.60	27.00	30.60	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:30 AM	141.00	1.00	23.60	13.40	0.00	21.30	23.60	33.60	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:45 AM	138.00	1.30	0.00	13.20	0.00	19.80	0.00	33.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:00 AM	215.00	2.10	32.30	20.70	0.00	20.70	0.00	32.30	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:15 AM	151.00	0.90	26.30	13.80	0.00	19.10	26.30	32.40	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:30 AM	200.00	0.80	32.00	21.30	0.00	21.30	0.00	32.00	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:45 AM	152.00	0.50	24.20	13.50	0.00	15.80	24.20	31.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:00 AM	207.00	2.80	29.60	21.60	0.00	21.60	24.00	29.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:15 AM	203.00	3.50	30.50	17.90	0.00	17.90	21.60	30.50	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:30 AM	215.00	3.00	29.10	20.40	0.00	20.40	22.60	29.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:45 AM	193.00	3.50	29.70	32.90	3.20	32.90	24.00	29.70	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:00 AM	244.00	2.10	29.90	36.00	6.10	36.00	0.00	29.90	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:15 AM	178.00	1.30	24.70	12.40	0.00	42.30	24.70	26.50	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:30 AM	193.00	1.60	26.30	37.80	11.50	37.80	22.50	26.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:45 AM	190.00	1.30	24.80	38.40	13.60	38.40	22.50	24.80	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:00 AM	173.00	2.40	28.40	15.00	0.00	48.20	28.40	29.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:15 AM	164.00	2.30	32.40	16.00	0.00	51.60	32.40	29.50	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:30 AM	114.00	1.30	23.80	15.70	0.00	42.80	23.80	24.20	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:45 AM	158.00	2.00	23.20	10.80	0.00	59.00	23.20	41.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:00 AM	166.00	2.30	18.00	11.10	0.00	30.80	18.00	17.90	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:15 AM	176.00	1.30	14.80	12.10	0.00	48.50	14.80	15.90	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:30 AM	135.00	2.40	47.70	17.00	0.00	40.40	47.70	21.50	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:45 AM	131.00	2.50	18.00	17.20	0.00	54.30	18.00	26.40	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:00 AM	163.00	1.90	38.50	19.70	0.00	45.20	38.50	14.60	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:15 AM	202.00	1.20	14.10	38.20	24.10	38.20	15.00	14.10	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:30 AM	155.00	1.90	14.30	11.10	0.00	47.00	14.30	11.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:45 AM	126.00	2.50	13.40	11.60	0.00	37.50	13.40	10.90	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:00 AM	121.00	2.70	14.40	11.20	0.00	47.20	14.40	12.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/28/15 11:15 AM	66.00	4.40	33.20	14.10	0.00	33.20	23.50	14.10	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:30 AM	0.00	0.00	0.00	0.00	0.00	30.30	17.80	12.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:45 AM	70.00	4.60	36.80	13.20	0.00	36.80	29.80	13.20	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:00 PM	105.00	4.30	37.80	13.40	0.00	35.70	37.80	14.20	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:15 PM	103.00	4.20	32.30	16.90	0.00	35.80	32.30	18.80	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:30 PM	88.00	3.20	38.00	18.90	0.00	38.00	30.90	18.90	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 12:45 PM	69.00	6.00	39.30	19.30	0.00	39.30	29.40	19.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:00 PM	82.00	3.70	39.40	20.70	0.00	39.40	24.80	20.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:15 PM	113.00	4.60	23.90	13.60	0.00	44.20	23.90	31.90	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:30 PM	80.00	4.50	26.40	27.90	1.50	26.40	24.60	27.90	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 1:45 PM	110.00	4.30	20.40	14.40	0.00	25.80	20.40	18.40	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:00 PM	100.00	2.90	23.00	14.10	0.00	32.50	23.00	18.00	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:15 PM	79.00	3.90	0.00	17.90	0.00	0.00	23.00	17.90	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:30 PM	108.00	3.90	26.50	21.10	0.00	34.90	26.50	73.20	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 2:45 PM	99.00	4.10	26.20	22.20	0.00	31.80	26.20	19.10	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:00 PM	80.00	2.70	82.30	22.10	0.00	82.30	29.00	22.10	40.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:15 PM	116.00	4.00	36.40	30.50	0.00	35.00	36.40	29.80	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:30 PM	69.00	4.60	47.90	27.90	0.00	47.90	33.50	27.90	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 3:45 PM	95.00	2.60	42.10	25.30	0.00	49.90	42.10	23.50	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:00 PM	51.00	3.60	39.60	23.50	0.00	39.60	30.40	23.50	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:15 PM	74.00	4.00	37.30	27.00	0.00	37.30	28.50	27.00	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:30 PM	68.00	4.30	36.60	27.00	0.00	36.60	28.50	27.00	27.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 4:45 PM	74.00	3.60	101.70	50.90	0.00	101.70	43.90	50.90	51.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:00 PM	65.00	4.50	80.60	31.70	0.00	80.60	83.00	31.70	62.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:15 PM	78.00	3.90	107.50	58.00	0.00	107.50	99.60	58.00	59.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:30 PM	64.00	4.20	94.80	60.80	0.00	94.80	56.60	60.80	58.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 5:45 PM	84.00	1.90	87.60	31.20	0.00	87.60	95.00	31.20	60.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:00 PM	89.00	4.40	77.10	65.50	0.00	77.10	58.90	65.50	69.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:15 PM	90.00	2.60	62.30	41.10	0.00	87.10	62.30	58.20	41.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:30 PM	102.00	2.90	68.80	49.90	0.00	77.50	68.80	60.00	49.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 6:45 PM	78.00	3.90	64.10	61.70	0.00	64.10	68.50	61.70	42.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:00 PM	86.00	3.90	92.00	61.70	0.00	92.00	78.10	61.70	64.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:15 PM	90.00	4.80	44.00	41.30	0.00	60.10	44.00	52.10	41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:30 PM	93.00	4.50	49.80	43.50	0.00	75.50	49.80	43.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 7:45 PM	87.00	4.90	61.70	38.90	0.00	61.70	39.00	38.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:00 PM	86.00	4.20	56.90	37.90	0.00	56.90	33.10	37.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:15 PM	85.00	4.90	0.00	43.40	0.00	0.00	39.30	43.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:30 PM	77.00	4.30	64.60	38.70	0.00	64.60	33.70	38.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 8:45 PM	80.00	4.80	56.10	41.80	0.00	56.10	52.90	41.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:00 PM	71.00	3.90	76.20	41.60	0.00	76.20	38.60	41.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:15 PM	105.00	2.80	32.20	43.50	11.30	59.40	32.20	41.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:30 PM	108.00	2.20	30.50	43.50	13.00	47.00	30.50	38.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 9:45 PM	115.00	2.50	28.40	43.50	15.10	42.30	28.40	38.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:00 PM	125.00	2.20	27.50	43.50	16.00	41.20	27.50	36.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:15 PM	147.00	1.80	31.60	43.50	11.90	38.40	31.60	35.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:30 PM	133.00	2.30	42.10	43.50	1.40	0.00	42.10	34.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 10:45 PM	146.00	1.50	67.00	43.50	0.00	22.30	67.00	39.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:00 PM	139.00	1.50	43.40	43.50	0.10	37.70	43.40	41.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:15 PM	141.00	1.50	43.40	43.50	0.10	42.50	43.40	41.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:30 PM	136.00	1.50	53.60	43.50	0.00	54.60	53.60	53.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/28/15 11:45 PM	148.00	1.60	47.20	43.50	0.00	53.00	47.20	53.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:00 AM	149.00	1.60	43.20	43.50	0.30	62.50	43.20	53.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:15 AM	143.00	2.90	43.60	43.50	0.00	63.70	43.60	53.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:30 AM	147.00	2.50	44.10	43.50	0.00	46.10	44.10	51.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:45 AM	149.00	3.90	43.20	43.50	0.30	43.20	43.20	51.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:00 AM	157.00	3.30	40.10	43.50	3.40	33.60	40.10	42.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:15 AM	165.00	2.70	31.60	43.50	11.90	31.90	31.60	40.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:30 AM	171.00	2.50	30.00	43.50	13.50	30.30	30.00	34.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:45 AM	173.00	2.60	23.00	43.50	20.50	20.90	23.00	34.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:00 AM	175.00	2.90	22.00	43.50	21.50	23.90	22.00	34.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:15 AM	169.00	3.70	28.00	43.50	15.50	26.10	28.00	32.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:30 AM	166.00	4.80	22.80	43.50	20.70	22.20	22.80	31.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:45 AM	168.00	2.90	23.10	43.50	20.40	22.30	23.10	33.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:00 AM	173.00	2.90	32.60	43.50	10.90	23.90	32.60	34.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:15 AM	171.00	2.80	32.40	43.50	11.10	24.90	32.40	35.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:30 AM	173.00	2.90	53.10	43.50	0.00	34.50	53.10	38.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:45 AM	180.00	2.80	43.80	43.40	0.00	43.40	61.40	43.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:00 AM	162.00	2.40	69.20	43.50	0.00	36.10	69.20	47.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:15 AM	146.00	3.40	69.20	43.50	0.00	34.20	69.20	48.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:30 AM	157.00	2.50	66.70	43.50	0.00	35.60	66.70	46.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:45 AM	169.00	3.20	63.60	43.50	0.00	37.40	63.60	43.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:00 AM	153.00	3.30	61.50	43.50	0.00	39.30	61.50	42.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:15 AM	161.00	3.00	63.50	43.50	0.00	45.00	63.50	43.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:30 AM	162.00	2.80	77.30	43.50	0.00	48.50	77.30	44.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:45 AM	160.00	3.40	72.80	43.50	0.00	0.00	72.80	46.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:00 AM	161.00	3.60	69.40	43.50	0.00	47.20	69.40	49.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:15 AM	172.00	2.60	72.90	43.50	0.00	55.40	72.90	50.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:30 AM	161.00	3.40	79.40	43.50	0.00	53.30	79.40	55.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:45 AM	175.00	4.50	81.50	43.50	0.00	54.60	81.50	57.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:00 AM	167.00	4.40	79.30	43.50	0.00	58.10	79.30	58.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:15 AM	174.00	5.60	78.90	43.50	0.00	54.90	78.90	61.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:30 AM	197.00	3.70	60.80	55.20	0.00	55.20	76.90	60.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:45 AM	205.00	4.40	58.20	53.10	0.00	53.10	73.40	58.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:00 AM	202.00	3.50	54.10	50.00	0.00	50.00	65.60	54.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:15 AM	185.00	3.60	49.90	49.10	0.00	49.10	62.10	49.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:30 AM	183.00	4.20	45.50	46.20	0.70	46.20	56.20	45.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:45 AM	181.00	3.40	39.40	43.50	4.10	43.50	49.10	39.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:00 AM	179.00	3.20	54.00	43.50	0.00	42.00	54.00	35.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:15 AM	193.00	3.90	32.70	37.70	5.00	37.70	43.10	32.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:30 AM	180.00	4.90	28.90	34.70	5.80	34.70	38.60	28.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:45 AM	210.00	3.40	28.20	33.60	5.40	33.60	36.20	28.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:00 AM	190.00	5.70	25.70	31.20	5.50	31.20	34.70	25.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:15 AM	199.00	5.90	22.00	28.80	6.80	28.80	29.40	22.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:30 AM	180.00	5.60	20.20	24.50	4.30	24.50	27.50	20.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:45 AM	187.00	6.90	18.20	0.00	0.00	0.00	25.40	18.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:00 AM	189.00	6.60	16.50	22.40	5.90	22.40	23.40	16.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:15 AM	175.00	8.30	23.00	43.50	20.50	23.90	23.00	16.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:30 AM	189.00	6.10	14.50	19.70	5.20	19.70	21.50	14.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:45 AM	185.00	9.20	13.30	27.80	14.50	27.80	21.20	13.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:00 PM	209.00	6.30	13.00	34.60	21.60	34.60	21.80	13.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:15 PM	263.00	4.90	11.80	19.40	7.60	19.40	19.80	11.80	43.50	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/m³)							Naphthalene (µg/m³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/29/15 12:30 PM	247.00	2.40	9.80	34.10	24.30	34.10	42.40	9.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 12:45 PM	222.00	1.70	14.20	16.40	2.20	16.40	21.90	14.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:00 PM	24.00	0.50	16.00	8.70	0.00	16.00	18.70	8.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:15 PM	230.00	1.20	16.70	22.30	5.60	22.30	23.90	16.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:30 PM	218.00	2.10	24.80	21.20	0.00	21.20	28.00	24.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 1:45 PM	239.00	1.70	27.90	19.30	0.00	19.30	24.10	27.90	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:00 PM	194.00	6.20	25.30	18.40	0.00	18.40	23.80	25.30	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:15 PM	208.00	4.70	26.50	18.90	0.00	18.90	24.00	26.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:30 PM	181.00	7.60	23.10	19.30	0.00	19.30	22.60	23.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 2:45 PM	200.00	6.60	20.60	19.00	0.00	19.00	26.10	20.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:00 PM	180.00	8.40	21.50	16.70	0.00	16.70	21.20	21.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:15 PM	193.00	10.20	21.50	17.30	0.00	17.30	20.10	21.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:30 PM	204.00	7.20	12.10	16.80	4.70	16.80	19.10	12.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 3:45 PM	206.00	8.20	9.20	16.40	7.20	16.40	17.70	9.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:00 PM	197.00	4.60	6.60	14.60	8.00	14.60	14.10	6.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:15 PM	192.00	6.80	6.00	13.60	7.60	13.60	12.10	6.00	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:30 PM	192.00	5.10	5.70	12.00	6.30	12.00	11.50	5.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 4:45 PM	203.00	4.80	6.40	13.60	7.20	13.60	10.80	6.40	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:00 PM	223.00	3.30	6.70	14.70	8.00	14.70	10.90	6.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:15 PM	231.00	2.50	6.20	14.10	7.90	14.10	10.80	6.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:30 PM	243.00	2.60	6.60	14.80	8.20	14.80	11.50	6.60	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 5:45 PM	271.00	2.00	43.50	11.80	0.00	15.00	11.80	6.80	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:00 PM	275.00	2.50	43.50	18.40	0.00	17.30	18.40	15.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:15 PM	267.00	2.10	18.70	19.10	0.40	19.10	23.50	18.70	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 6:30 PM	229.00	3.10	30.50	21.60	0.00	21.60	27.60	30.50	43.50	0.00	0.00	0.00	6.50	0.00	0.00	0.00
5/29/15 6:45 PM	226.00	5.60	37.00	23.40	0.00	23.40	27.40	37.00	43.50	0.00	0.00	0.00	3.60	0.00	0.00	0.00
5/29/15 7:00 PM	213.00	2.60	35.10	22.00	0.00	22.00	28.90	35.10	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:15 PM	240.00	2.10	33.20	21.30	0.00	21.30	27.00	33.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:30 PM	228.00	7.00	35.30	21.60	0.00	21.60	26.50	35.30	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 7:45 PM	219.00	3.60	35.90	17.50	0.00	17.50	28.40	35.90	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:00 PM	215.00	3.40	32.90	18.40	0.00	18.40	23.50	32.90	32.00	0.00	2.50	2.50	2.50	0.00	0.00	0.00
5/29/15 8:15 PM	207.00	3.10	31.50	17.50	0.00	17.50	22.60	31.50	31.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:30 PM	199.00	4.50	32.10	17.00	0.00	17.00	23.30	32.10	36.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 8:45 PM	197.00	4.70	31.40	16.50	0.00	16.50	22.70	31.40	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:00 PM	186.00	4.70	32.60	16.50	0.00	16.50	22.60	32.60	50.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:15 PM	188.00	3.90	32.70	16.30	0.00	16.30	23.20	32.70	53.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:30 PM	187.00	4.10	29.50	15.40	0.00	15.40	22.10	29.50	52.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 9:45 PM	204.00	4.10	24.10	12.30	0.00	12.30	19.40	24.10	48.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:00 PM	208.00	3.10	21.80	10.40	0.00	10.40	17.30	21.80	47.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:15 PM	200.00	2.70	20.20	11.20	0.00	11.20	16.20	20.20	45.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:30 PM	196.00	3.80	20.50	11.20	0.00	11.20	16.60	20.50	45.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 10:45 PM	212.00	2.30	21.40	11.90	0.00	11.90	17.20	21.40	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:00 PM	213.00	2.70	24.10	12.80	0.00	12.80	18.10	24.10	43.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:15 PM	211.00	2.80	25.30	13.50	0.00	13.50	18.50	25.30	42.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:30 PM	213.00	3.60	25.80	13.50	0.00	13.50	18.90	25.80	41.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/29/15 11:45 PM	225.00	3.30	27.50	14.20	0.00	14.20	19.80	27.50	40.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:00 AM	227.00	3.20	27.60	14.60	0.00	14.60	20.10	27.60	39.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:15 AM	221.00	2.90	28.90	14.70	0.00	14.70	20.20	28.90	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:30 AM	214.00	3.90	27.80	13.60	0.00	13.60	19.10	27.80	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:45 AM	200.00	2.90	22.70	11.50	0.00	11.50	17.60	22.70	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:00 AM	205.00	3.00	19.50	10.90	0.00	10.90	15.30	19.50	33.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:15 AM	203.00	4.00	17.70	10.00	0.00	10.00	14.20	17.70	30.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:30 AM	208.00	2.50	17.50	9.80	0.00	9.80	13.60	17.50	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:45 AM	192.00	2.40	17.50	9.90	0.00	9.90	13.70	17.50	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:00 AM	192.00	3.10	17.80	11.00	0.00	11.00	14.80	17.80	27.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:15 AM	204.00	3.20	17.60	10.00	0.00	10.00	14.30	17.60	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:30 AM	226.00	3.40	18.10	10.50	0.00	10.50	14.40	18.10	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:45 AM	220.00	2.80	18.80	10.70	0.00	10.70	14.40	18.80	25.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:00 AM	204.00	3.10	19.40	10.60	0.00	10.60	14.50	19.40	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:15 AM	209.00	2.60	20.40	10.40	0.00	10.40	14.80	20.40	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:30 AM	203.00	1.70	20.90	10.60	0.00	10.60	15.10	20.90	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:45 AM	209.00	2.90	21.90	11.60	0.00	11.60	15.60	21.90	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:00 AM	205.00	2.50	22.40	11.90	0.00	11.90	15.10	22.40	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:15 AM	211.00	1.70	23.00	10.90	0.00	10.90	15.30	23.00	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:30 AM	198.00	2.30	23.20	10.90	0.00	10.90	15.40	23.20	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:45 AM	215.00	2.60	23.50	11.30	0.00	11.30	15.10	23.50	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:00 AM	214.00	3.50	23.90	10.90	0.00	10.90	15.70	23.90	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:15 AM	203.00	3.00	25.10	12.20	0.00	12.20	16.30	25.10	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:45 AM	206.00	1.90	28.80	12.20	0.00	12.20	17.60	28.80	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:00 AM	221.00	1.10	32.60	12.70	0.00	12.70	19.10	32.60	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:15 AM	217.00	2.50	34.40	13.00	0.00	13.00	19.90	34.40	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:30 AM	220.00	1.20	37.10	13.20	0.00	13.20	21.10	37.10	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:45 AM	227.00	1.70	39.00	14.10	0.00	14.10	22.00	39.00	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:00 AM	203.00	1.60	40.40	14.60	0.00	14.60	22.60	40.40	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:15 AM	231.00	1.90	41.00	14.10	0.00	14.10	23.20	41.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:30 AM	233.00	1.40	41.30	14.70	0.00	14.70	23.70	41.30	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:45 AM	225.00	2.30	39.70	14.50	0.00	14.50	23.80	39.70	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:00 AM	213.00	1.60	36.70	15.00	0.00	15.00	22.40	36.70	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:15 AM	168.00	2.40	21.30	15.60	0.00	14.20	21.30	37.20	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:30 AM	210.00	2.60	31.00	13.60	0.00	13.60	19.80	31.00	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:45 AM	199.00	1.90	28.60	12.50	0.00	12.50	16.20	28.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:00 AM	212.00	1.30	22.50	10.70	0.00	10.70	14.80	22.50	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:15 AM	195.00	1.60	20.30	12.10	0.00	12.10	14.60	20.30	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:30 AM	217.00	1.80	21.50	13.00	0.00	13.00	16.40	21.50	13.90	0.00	0.00	0.00	0.00	1.10	0.00	0.00
5/30/15 9:45 AM	257.00	1.80	20.80	11.60	0.00	11.60	13.80	20.80	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:00 AM	258.00	1.80	20.60	11.10	0.00	11.10	14.00	20.60	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:15 AM	227.00	1.60	19.90	10.40	0.00	10.40	14.50	19.90	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:30 AM	284.00	2.00	12.50	13.90	1.40	10.70	13.90	21.10	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:45 AM	278.00	2.00	12.20	13.50	1.30	8.70	13.50	17.20	12.20	0.00	0.00	0.00	5.00	0.00	0.00	0.00
5/30/15 11:00 AM	298.00	2.80	12.10	13.30	1.20	8.60	13.30	18.90	12.10	0.00	0.00	0.00	4.40	0.00	0.00	0.00
5/30/15 11:15 AM	337.00	1.50	11.40	14.10	2.70	8.50	14.10	20.20	11.40	4.00	0.00	0.00	4.00	0.00	0.00	0.00
5/30/15 11:30 AM	0.00	7.60	7.50	17.70	10.20	7.50	12.10	17.70	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 11:45 AM	7.00	7.50	7.30	14.50	7.20	7.30	10.40	14.50	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:00 PM	12.00	9.00	6.90	10.10	3.20	6.90	9.00	10.10	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:15 PM	3.00	8.50	6.90	10.40	3.50	6.90	8.80	10.40	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:30 PM	0.00	9.40	3.40	2.80	0.00	3.40	4.80	2.80	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 12:45 PM	356.00	10.00	9.50	4.20	0.00	2.60	4.20	0.50	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:00 PM	351.00	11.40	10.10	3.90	0.00	2.40	3.90	0.30	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 1:15 PM	0.00	12.10	0.00	0.40	0.00	0.00	4.40	0.40	10.50	0.00	0.00	0.00	0.00	3.80	0.00	0.00
5/30/15 1:30 PM	353.00	10.60	10.80	2.40	0.00	1.90	2.40	1.00	10.80	0.00	0.00	0.00	0.00	3.70	0.00	0.00
5/30/15 1:45 PM	352.00	11.20	11.10	2.10	0.00	3.40	2.10	1.70	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/30/15 2:00 PM	356.00	12.50	11.40	2.10	0.00	2.40	2.10	2.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:15 PM	358.00	11.60	11.50	2.20	0.00	2.40	2.20	2.20	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:30 PM	357.00	11.50	10.70	1.90	0.00	3.10	1.90	3.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 2:45 PM	354.00	12.70	9.60	2.20	0.00	3.10	2.20	2.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:00 PM	357.00	11.70	8.60	2.20	0.00	2.20	2.20	2.60	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:15 PM	10.00	11.90	2.20	2.50	0.30	2.20	1.90	2.50	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:30 PM	6.00	12.40	1.60	2.10	0.50	1.60	2.10	2.10	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 3:45 PM	14.00	10.90	3.00	3.40	0.40	3.00	1.70	3.40	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:00 PM	6.00	11.00	3.10	2.00	0.00	3.10	1.90	2.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:15 PM	9.00	10.50	2.20	1.50	0.00	2.20	2.10	1.50	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:30 PM	10.00	9.60	1.70	1.50	0.00	1.70	2.10	1.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 4:45 PM	7.00	12.70	5.30	1.60	0.00	5.30	2.60	1.60	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:00 PM	4.00	14.20	4.50	1.60	0.00	4.50	2.10	1.60	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:15 PM	4.00	12.10	5.60	1.70	0.00	5.60	3.00	1.70	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:30 PM	10.00	13.10	5.00	1.80	0.00	5.00	3.40	1.80	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 5:45 PM	11.00	14.50	2.80	1.60	0.00	2.80	3.40	1.60	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:00 PM	9.00	14.30	2.60	1.80	0.00	2.60	3.50	1.80	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:15 PM	3.00	13.30	7.60	2.00	0.00	7.60	5.20	2.00	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:30 PM	6.00	12.20	4.30	1.60	0.00	4.30	4.20	1.60	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 6:45 PM	8.00	14.70	1.10	1.50	0.40	1.10	3.30	1.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:00 PM	2.00	15.00	1.30	1.70	0.40	1.30	3.80	1.70	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:15 PM	4.00	14.90	2.40	1.80	0.00	2.40	4.50	1.80	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:30 PM	4.00	12.40	1.60	1.90	0.30	1.60	5.10	1.90	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 7:45 PM	3.00	13.40	2.60	2.60	0.00	2.60	5.40	2.60	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:00 PM	2.00	12.90	2.40	2.70	0.30	2.40	4.80	2.70	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:15 PM	1.00	12.90	2.40	2.90	0.50	2.40	5.70	2.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:30 PM	1.00	12.50	5.30	2.80	0.00	5.30	5.60	2.80	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 8:45 PM	2.00	12.90	2.90	2.80	0.00	2.90	5.60	2.80	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:00 PM	5.00	14.00	2.70	2.80	0.10	2.70	5.00	2.80	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:15 PM	5.00	14.00	1.90	3.00	1.10	1.90	4.70	3.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:30 PM	9.00	11.40	1.70	3.40	1.70	1.70	4.30	3.40	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 9:45 PM	7.00	14.80	1.50	3.40	1.90	1.50	4.30	3.40	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:00 PM	8.00	11.80	1.50	3.10	1.60	1.50	4.40	3.10	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:15 PM	11.00	10.10	0.00	2.70	0.00	0.00	6.60	2.70	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:30 PM	9.00	14.80	0.00	3.20	0.00	0.00	5.70	3.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 10:45 PM	5.00	14.50	6.60	4.60	0.00	6.60	6.70	4.60	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 11:00 PM	12.00	11.30	5.70	5.40	0.00	5.70	6.40	5.40	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 11:15 PM	13.00	12.30	6.20	4.30	0.00	6.20	7.00	4.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 11:30 PM	4.00	13.10	6.10	3.90	0.00	6.10	5.80	3.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/30/15 11:45 PM	9.00	11.80	0.00	4.30	0.00	0.00	6.10	4.30	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:00 AM	10.00	13.80	8.20	3.80	0.00	8.20	5.50	3.80	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:15 AM	9.00	14.00	0.00	3.50	0.00	0.00	5.20	3.50	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:30 AM	14.00	12.90	4.60	4.10	0.00	4.60	6.40	4.10	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:45 AM	13.00	12.80	2.80	4.10	1.30	2.80	5.40	4.10	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:00 AM	14.00	11.10	2.80	3.50	0.70	2.80	5.60	3.50	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:15 AM	14.00	11.30	6.10	2.90	0.00	6.10	6.20	2.90	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:30 AM	10.00	13.90	4.60	2.70	0.00	4.60	6.40	2.70	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:45 AM	8.00	12.10	3.70	2.80	0.00	3.70	5.70	2.80	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:00 AM	3.00	14.40	8.20	2.50	0.00	8.20	5.20	2.50	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:15 AM	6.00	14.00	0.00	3.60	0.00	0.00	5.60	3.60	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:30 AM	7.00	14.10	6.20	5.10	0.00	6.20	5.20	5.10	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:45 AM	4.00	13.70	6.20	4.80	0.00	6.20	6.90	4.80	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:00 AM	7.00	12.80	5.90	4.90	0.00	5.90	6.70	4.90	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:15 AM	8.00	13.00	0.00	4.30	0.00	0.00	6.30	4.30	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:30 AM	10.00	13.30	0.00	3.90	0.00	0.00	6.10	3.90	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:45 AM	10.00	13.20	0.00	4.10	0.00	0.00	5.50	4.10	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:00 AM	14.00	11.50	6.10	4.70	0.00	6.10	5.20	4.70	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:15 AM	10.00	14.40	0.00	4.60	0.00	0.00	5.20	4.60	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:30 AM	11.00	13.50	0.00	4.70	0.00	0.00	5.80	4.70	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:45 AM	4.00	12.60	0.00	4.50	0.00	0.00	4.60	4.50	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:00 AM	12.00	9.50	0.00	4.40	0.00	0.00	4.90	4.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:15 AM	7.00	13.00	6.40	4.50	0.00	6.40	5.00	4.50	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:30 AM	12.00	14.10	6.40	4.70	0.00	6.40	6.00	4.70	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:45 AM	9.00	10.90	0.00	4.50	0.00	0.00	4.80	4.50	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:00 AM	11.00	12.30	0.00	4.30	0.00	0.00	7.20	4.30	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:15 AM	8.00	13.70	0.00	3.80	0.00	0.00	7.20	3.80	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:30 AM	15.00	11.20	0.00	3.80	0.00	0.00	5.40	3.80	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:45 AM	7.00	10.00	0.00	3.70	0.00	0.00	6.90	3.70	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:00 AM	12.00	10.90	0.00	3.80	0.00	0.00	5.20	3.80	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:15 AM	12.00	8.30	0.00	3.40	0.00	0.00	6.10	3.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:30 AM	7.00	10.60	4.00	3.70	0.00	4.00	5.90	3.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:45 AM	5.00	9.90	4.00	3.90	0.00	4.00	6.20	3.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:00 AM	12.00	10.90	7.30	4.10	0.00	7.30	7.70	4.10	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:15 AM	359.00	10.70	2.30	5.60	3.30	7.30	5.60	4.60	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:30 AM	6.00	9.00	0.00	4.60	0.00	0.00	6.60	4.60	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:45 AM	5.00	9.80	5.70	4.70	0.00	5.70	7.10	4.70	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:00 AM	2.00	11.50	5.70	4.90	0.00	5.70	7.30	4.90	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:15 AM	7.00	10.10	4.50	4.60	0.10	4.50	8.00	4.60	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:30 AM	8.00	13.10	4.00	4.20	0.20	4.00	7.70	4.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:45 AM	11.00	12.10	5.60	5.90	0.30	5.60	5.60	5.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:00 AM	4.00	12.00	5.00	4.80	0.00	5.00	8.90	4.80	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:15 AM	5.00	10.00	4.00	4.50	0.50	4.00	8.00	4.50	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:30 AM	7.00	10.30	2.50	3.90	1.40	2.50	9.10	3.90	2.20	0.00	0.00	0.00	0.00	1.30	0.00	0.00
5/31/15 10:45 AM	5.00	11.40	4.70	3.60	0.00	4.70	7.40	3.60	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:00 AM	9.00	11.80	3.40	3.70	0.30	3.40	7.50	3.70	2.60	0.00	0.00	0.00	0.00	1.90	0.00	0.00
5/31/15 11:15 AM	6.00	9.70	4.20	3.90	0.00	4.20	8.50	3.90	3.40	0.00	0.00	0.00	0.00	1.90	0.00	0.00
5/31/15 11:30 AM	7.00	11.10	3.80	3.80	0.00	3.80	7.80	3.80	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:45 AM	5.00	10.50	7.30	4.20	0.00	7.30	8.50	4.20	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:00 PM	4.00	11.80	4.60	3.90	0.00	4.60	10.30	3.90	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:15 PM	4.00	12.40	0.00	4.00	0.00	0.00	9.30	4.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:30 PM	8.00	11.00	4.10	4.20	0.10	4.10	9.00	4.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 12:45 PM	7.00	10.20	0.00	4.00	0.00	0.00	8.90	4.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:00 PM	3.00	9.50	6.70	4.10	0.00	6.70	8.10	4.10	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:15 PM	6.00	12.50	7.00	3.90	0.00	7.00	10.10	3.90	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:30 PM	7.00	10.80	25.40	3.60	0.00	25.40	11.70	3.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 1:45 PM	6.00	11.90	4.70	3.40	0.00	4.70	6.70	3.40	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:00 PM	6.00	11.30	0.00	3.20	0.00	0.00	7.40	3.20	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:15 PM	5.00	10.80	0.00	3.00	0.00	0.00	8.70	3.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:30 PM	5.00	11.40	5.00	2.50	0.00	5.00	10.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 2:45 PM	7.00	11.60	0.00	2.70	0.00	0.00	10.20	2.70	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:00 PM	10.00	10.70	3.60	2.20	0.00	3.60	6.40	2.20	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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US Army Corps of Engineers®

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
May 2015

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
5/31/15 3:15 PM	1.00	11.20	7.20	2.10	0.00	7.20	7.50	2.10	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:30 PM	1.00	10.60	6.20	2.00	0.00	6.20	8.00	2.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 3:45 PM	12.00	7.50	15.90	2.20	0.00	15.90	7.90	2.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:00 PM	8.00	10.00	7.70	2.10	0.00	7.70	6.40	2.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:15 PM	12.00	9.30	0.00	1.90	0.00	0.00	5.70	1.90	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:30 PM	12.00	10.30	21.40	2.30	0.00	21.40	9.60	2.30	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 4:45 PM	14.00	8.90	21.40	2.20	0.00	21.40	7.50	2.20	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:00 PM	0.00	10.40	16.10	2.30	0.00	16.10	6.10	2.30	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:15 PM	5.00	9.60	18.20	2.50	0.00	18.20	6.40	2.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:30 PM	3.00	9.80	18.20	2.10	0.00	18.20	7.10	2.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 5:45 PM	13.00	8.90	25.40	2.20	0.00	25.40	5.40	2.20	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:00 PM	8.00	9.10	29.30	2.10	0.00	29.30	6.00	2.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:15 PM	8.00	9.50	18.80	2.10	0.00	18.80	7.80	2.10	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:30 PM	5.00	9.00	6.20	2.50	0.00	6.20	9.00	2.50	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 6:45 PM	16.00	10.50	21.10	2.50	0.00	21.10	7.90	2.50	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:00 PM	13.00	8.60	4.30	2.40	0.00	4.30	7.10	2.40	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:15 PM	20.00	8.00	26.80	3.30	0.00	26.80	5.40	3.30	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:30 PM	23.00	8.50	0.00	3.60	0.00	0.00	5.40	3.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 7:45 PM	24.00	9.70	6.10	4.90	0.00	6.10	4.10	4.90	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:00 PM	22.00	8.50	11.80	4.20	0.00	11.80	3.70	4.20	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:15 PM	18.00	7.40	0.00	4.40	0.00	0.00	4.00	4.40	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:30 PM	17.00	8.50	0.00	7.30	0.00	0.00	4.20	7.30	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 8:45 PM	14.00	8.30	7.20	5.40	0.00	7.20	4.90	5.40	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:00 PM	12.00	6.10	3.30	10.00	6.70	3.30	3.80	10.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:15 PM	13.00	7.40	2.90	10.60	7.70	2.90	4.00	10.60	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:30 PM	9.00	7.80	0.00	11.60	0.00	0.00	4.20	11.60	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 9:45 PM	12.00	7.60	2.70	8.50	5.80	2.70	4.20	8.50	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:00 PM	18.00	5.70	0.00	10.00	0.00	0.00	4.30	10.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:15 PM	23.00	5.00	3.10	10.80	7.70	3.10	4.90	10.80	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:30 PM	34.00	5.80	0.00	9.80	0.00	0.00	4.10	9.80	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 10:45 PM	47.00	5.40	0.00	7.10	0.00	0.00	4.00	7.10	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:00 PM	37.00	2.50	8.90	5.80	0.00	8.90	4.90	5.80	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:15 PM	61.00	1.70	12.60	10.40	0.00	12.60	4.20	10.40	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:30 PM	37.00	1.60	3.40	14.30	10.90	3.40	4.00	14.30	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/31/15 11:45 PM	31.00	4.00	2.50	8.80	6.30	2.50	4.00	8.80	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Retrieved from www.indianaharbordredge.com

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☒ M2 ☐ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/04/2015 5:00 PM Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other: weather, windy

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) No problems were found.

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☒ M2 ☒ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/06/2015 5:00 PM Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other: weather, Fog

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) No problems were found. Fog caused the alarm.

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☒ M2 ☒ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/09/2015 10:00 PM Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

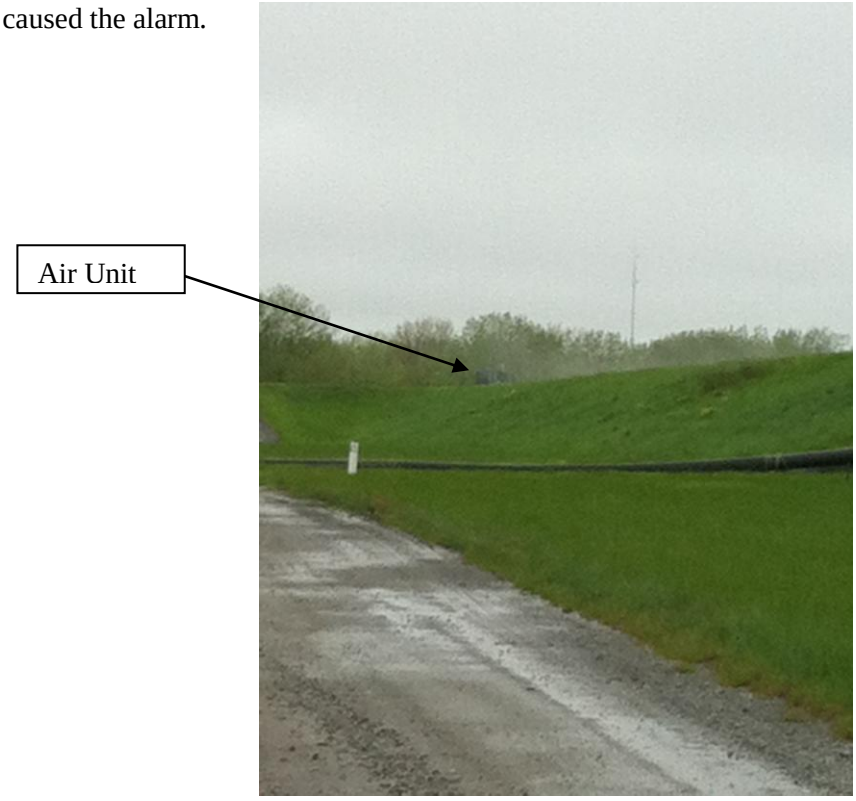
1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other: weather, Fog

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) No problems were found. Fog caused the alarm.



IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☐ M2 ☐ M3 ☒ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/14/2015 2:30 AM Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other:

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) No problems were found.

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☐ M2 ☒ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/20/2015 10:30 AM Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other: Dike Maintenance

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) USACE maintenace installation of stone rip-rap on the south end of west cell is causing dust from the machinary and stone truck delivery's.

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☐ M2 ☒ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/22/2015 All Day Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other: Dike Maintenance,

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) USACE maintenace installation of stone rip-rap on the south end of west cell is causing dust from the machinary.

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: ☐ M1 ☐ M2 ☒ M3 ☐ M4 ☐ Dock

Air Monitoring Instrument:

☐ Cerex Unit (Naphthalene) ☒ Thermo Unit (Particles) ☐ PID Monitor

Date & Time of alarm: 5/24/2015 8:45-2:00 Email sent to site Technician? (Yes or No)

Technician responded to the alarm; Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)
2. Alarm caused by:

	Loss of Power
	Loss of Radio Communication
	Out of Calibration
	UV Alignment
	Blockage in Air Tube
	Air Quality
X	Other:

3. Corrective Actions taken? (Yes or No)
4. Dredging suspended? (Yes or No)
5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

A) No problems found wrong with the air unit.