



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-8-13 to 5-14-13

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	
5/9/13 12:45 AM	213.00	0.80	20.70	70.50	49.80	70.50	26.00	20.70	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:00 AM	194.00	0.40	32.70	73.80	41.10	73.80	43.70	32.70	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:15 AM	304.00	0.40	43.50	31.10	0.00	78.20	31.10	32.50	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:30 AM	8.00	0.30	70.70	32.20	0.00	70.70	35.90	32.20	102.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:45 AM	6.00	0.40	77.50	29.20	0.00	77.50	39.70	29.20	42.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:00 AM	183.00	0.80	29.40	153.50	124.10	153.50	66.30	29.40	38.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:15 AM	191.00	1.10	45.60	98.10	52.50	98.10	91.50	45.60	35.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:30 AM	227.00	0.80	37.80	106.90	69.10	106.90	54.80	37.80	49.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:45 AM	256.00	1.60	45.20	115.50	70.30	115.50	45.50	45.20	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:00 AM	239.00	0.70	43.00	110.90	67.90	110.90	49.40	43.00	35.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:15 AM	261.00	0.70	47.20	117.00	69.80	117.00	61.80	47.20	40.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:30 AM	237.00	0.60	50.40	124.80	74.40	124.80	83.50	50.40	44.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:45 AM	229.00	0.70	42.10	98.80	56.70	98.80	53.40	42.10	37.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:00 AM	154.00	0.60	59.90	36.30	0.00	85.40	59.90	44.80	36.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:15 AM	216.00	1.00	41.20	79.00	37.80	79.00	61.00	41.20	41.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:30 AM	152.00	0.60	57.80	51.20	0.00	65.20	57.80	49.30	51.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:45 AM	186.00	1.00	46.60	70.40	23.80	70.40	59.20	46.60	52.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 5:00 AM	168.00	0.70	62.10	48.40	0.00	79.40	62.10	45.80	48.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 5:15 AM	169.00	0.50	91.60	49.10	0.00	75.20	91.60	50.20	49.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 5:30 AM	95.00	0.30	70.00	47.30	0.00	64.30	70.00	51.50	47.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 5:45 AM	150.00	1.50	67.20	48.80	0.00	71.70	67.20	49.80	48.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 6:00 AM	131.00	1.40	85.90	46.80	0.00	70.70	85.90	48.70	46.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 6:15 AM	151.00	1.00	109.90	45.00	0.00	78.80	109.90	47.00	45.00	0.00	1.40	1.40	1.40	0.00	0.00	0.00	0.00
5/9/13 6:30 AM	180.00	1.20	49.00	77.90	28.90	77.90	106.90	49.00	40.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 6:45 AM	171.00	1.30	72.10	74.60	2.50	99.50	72.10	50.60	74.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 7:00 AM	130.00	0.60	64.90	72.20	7.30	91.60	64.90	64.10	72.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 7:15 AM	165.00	1.10	60.90	68.70	7.80	87.60	60.90	76.80	68.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 7:30 AM	152.00	2.00	60.50	53.90	0.00	89.80	60.50	55.20	53.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 7:45 AM	158.00	1.60	79.40	72.10	0.00	91.10	79.40	55.50	72.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 8:00 AM	174.00	1.50	104.90	62.80	0.00	96.20	104.90	65.20	62.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 8:15 AM	178.00	1.60	97.60	68.40	0.00	92.20	97.60	65.40	68.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 8:30 AM	174.00	2.10	113.60	94.80	0.00	0.00	113.60	62.30	94.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 8:45 AM	180.00	2.40	75.20	128.70	53.50	128.70	86.70	75.20	55.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 9:00 AM	199.00	2.60	48.80	175.90	127.10	175.90	112.50	48.80	69.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 9:15 AM	185.00	1.80	46.20	178.40	132.20	178.40	78.70	46.20	87.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 9:30 AM	216.00	2.80	53.20	90.40	37.20	90.40	66.40	53.20	62.80	1.30	0.00	0.00	0.00	0.00	1.30	0.00	0.00
5/9/13 9:45 AM	202.00	2.10	73.50	88.90	15.40	88.90	64.30	73.50	56.10	1.30	0.00	0.00	0.00	0.00	1.30	0.00	0.00
5/9/13 10:00 AM	175.00	2.20	66.20	56.20	0.00	88.80	66.20	54.30	56.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 10:15 AM	210.00	3.30	54.30	71.90	17.60	71.90	42.70	54.30	55.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 10:30 AM	198.00	2.40	41.20	68.30	27.10	68.30	44.60	41.20	40.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 10:45 AM	239.00	3.00	36.50	63.50	27.00	63.50	38.30	36.50	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 11:00 AM	243.00	4.20	35.20	57.80	22.60	57.80	30.60	35.20	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 11:15 AM	252.00	4.30	35.20	57.30	22.10	57.30	30.60	35.20	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 11:30 AM	245.00	4.00	29.00	52.50	23.50	52.50	20.90	29.00	26.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 11:45 AM	266.00	2.50	31.70	50.30	18.60	50.30	23.20	31.70	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 12:00 PM	234.00	1.70	30.90	50.40	19.50	50.40	28.50	30.90	91.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 12:15 PM	250.00	2.70	40.40	77.70	37.30	77.70	42.40	40.40	79.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 12:30 PM	256.00	2.80	33.80	71.30	37.50	71.30	30.70	33.80	57.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 12:45 PM	241.00	3.40	39.40	55.20	15.80	55.20	34.20	39.40	38.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:00 PM	250.00	3.10	42.30	53.80	11.50	53.80	36.30	42.30	35.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:15 PM	180.00	1.80	33.10	49.50	16.40	49.50	47.30	33.10	32.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:30 PM	226.00	3.30	30.30	47.80	17.50	47.80	28.10	30.30	30.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 1:45 PM	203.00	3.90	31.00	48.30	17.30	48.30	27.30	31.00	36.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:00 PM	199.00	2.40	31.00	50.20	19.20	50.20	31.00	31.00	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:15 PM	224.00	6.00	35.40	53.50	18.10	53.50	36.90	35.40	43.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:30 PM	216.00	4.70	35.00	54.10	19.10	54.10	38.50	35.00	47.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 2:45 PM	213.00	5.80	32.40	49.60	17.20	49.60	25.60	32.40	43.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:00 PM	200.00	7.00	31.80	50.60	18.80	50.60	32.90	31.80	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:15 PM	223.00	6.30	76.90	53.30	0.00	53.30	44.30	76.90	38.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:30 PM	196.00	6.30	21.50	43.20	21.70	43.20	97.60	21.50	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 3:45 PM	206.00	6.50	21.80	40.80	19.00	40.80	18.40	21.80	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:00 PM	223.00	8.50	25.00	43.20	18.20	43.20	26.70	25.00	27.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:15 PM	198.00	7.80	22.20	40.00	17.80	40.00	15.60	22.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:30 PM	204.00	7.40	19.70	37.80	18.10	37.80	16.60	19.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/9/13 4:45 PM	202.00	8.10	18.90	37.70	18.80	37.70	18.70	18.90	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)					
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/10/13 1:30 AM	2.00	4.40	29.90	11.50	0.00	29.90	18.10	11.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 1:45 AM	2.00	4.30	23.00	11.00	0.00	23.00	10.80	11.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:00 AM	1.00	4.90	21.80	10.80	0.00	21.80	8.80	10.80	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:15 AM	8.00	5.30	21.30	10.60	0.00	21.30	10.30	10.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:30 AM	356.00	3.50	10.60	10.30	0.00	21.30	10.30	10.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:45 AM	358.00	3.40	12.50	12.30	0.00	21.30	12.30	12.40	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:00 AM	4.00	5.20	20.70	11.90	0.00	20.70	13.70	11.90	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:15 AM	11.00	5.90	19.00	12.30	0.00	19.00	14.40	12.30	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:30 AM	5.00	4.10	19.00	12.50	0.00	19.00	14.40	12.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:45 AM	2.00	4.70	19.00	12.50	0.00	19.00	14.40	12.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:00 AM	2.00	3.50	19.40	13.10	0.00	19.40	78.20	13.10	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:15 AM	3.00	3.30	0.00	12.50	0.00	0.00	86.10	12.50	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:30 AM	3.00	3.50	17.60	11.90	0.00	17.60	72.20	11.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:45 AM	9.00	4.80	0.00	13.60	0.00	0.00	102.70	13.60	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:00 AM	3.00	4.80	18.40	13.60	0.00	18.40	97.30	13.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:15 AM	1.00	3.50	15.60	13.80	0.00	15.60	71.40	13.80	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:30 AM	4.00	3.10	15.80	13.80	0.00	15.80	75.70	13.80	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:45 AM	8.00	2.60	13.00	12.80	0.00	13.00	18.50	12.80	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:00 AM	329.00	2.20	6.40	9.00	2.60	12.20	9.00	9.20	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:15 AM	355.00	2.60	7.60	6.40	0.00	13.40	6.40	8.50	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:30 AM	4.00	4.10	17.70	21.60	3.90	17.70	29.60	21.60	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:45 AM	4.00	3.90	17.20	18.70	1.50	17.20	12.00	18.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 7:00 AM	349.00	2.50	19.20	10.70	0.00	19.10	10.70	18.20	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 7:15 AM	348.00	3.10	25.00	13.40	0.00	21.70	13.40	23.20	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 7:30 AM	359.00	4.10	17.70	11.90	0.00	17.50	11.90	14.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 7:45 AM	348.00	2.60	14.70	13.60	0.00	16.00	13.60	13.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 8:00 AM	356.00	4.10	10.50	8.40	0.00	13.70	8.40	10.50	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 8:15 AM	341.00	4.10	5.30	6.10	0.80	12.10	6.10	5.20	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 8:30 AM	358.00	3.50	6.80	3.50	0.00	11.20	3.50	5.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 8:45 AM	4.00	6.00	11.40	6.20	0.00	11.40	4.50	6.20	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 9:00 AM	9.00	5.00	11.90	7.90	0.00	11.90	5.10	7.90	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 9:15 AM	4.00	4.50	12.10	8.80	0.00	12.10	5.80	8.80	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 9:30 AM	3.00	6.30	12.10	10.00	0.00	12.10	6.30	10.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 9:45 AM	6.00	7.90	9.90	8.60	0.00	9.90	3.70	8.60	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 10:00 AM	7.00	8.60	8.60	4.80	0.00	8.60	2.40	4.80	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 10:15 AM	3.00	6.90	8.00	6.80	0.00	8.00	2.20	6.80	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 10:30 AM	7.00	7.10	8.40	4.00	0.00	8.40	1.70	4.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 10:45 AM	5.00	9.70	0.00	4.30	0.00	0.00	1.10	4.30	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 11:00 AM	6.00	8.60	0.00	4.10	0.00	0.00	1.20	4.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 11:15 AM	5.00	10.90	7.30	3.70	0.00	7.30	0.80	3.70	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 11:30 AM	359.00	9.10	3.10	1.90	0.00	7.60	1.90	4.90	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 11:45 AM	9.00	10.20	8.60	3.20	0.00	8.60	1.00	3.20	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 12:00 PM	7.00	11.60	0.00	2.10	0.00	0.00	0.70	2.10	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 12:15 PM	8.00	10.50	0.00	2.00	0.00	0.00	0.80	2.00	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 12:30 PM	8.00	10.70	14.40	2.10	0.00	14.40	0.90	2.10	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 12:45 PM	10.00	12.90	14.40	2.40	0.00	14.40	0.50	2.40	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 1:00 PM	3.00	9.50	14.20	2.50	0.00	14.20	1.00	2.50	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 1:15 PM	1.00	10.50	0.00	2.80	0.00	0.00	1.10	2.80	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 1:30 PM	3.00	12.20	13.90	3.30	0.00	13.90	1.40	3.30	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 1:45 PM	9.00	12.00	13.70	3.60	0.00	13.70	1.40	3.60	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:00 PM	2.00	9.80	13.20	4.00	0.00	13.20	1.50	4.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:15 PM	4.00	8.10	13.20	3.90	0.00	13.20	1.80	3.90	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:30 PM	2.00	9.10	13.10	4.00	0.00	13.10	3.40	4.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 2:45 PM	3.00	11.00	13.10	5.40	0.00	13.10	5.20	5.40	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:00 PM	4.00	10.60	13.10	5.90	0.00	13.10	8.00	5.90	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:15 PM	15.00	12.40	0.00	6.00	0.00	0.00	10.60	6.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:30 PM	14.00	12.30	0.00	6.10	0.00	0.00	5.30	6.10	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 3:45 PM	4.00	8.80	12.90	5.90	0.00	12.90	4.50	5.90	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:00 PM	7.00	11.80	12.00	6.60	0.00	12.00	4.30	6.60	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:15 PM	8.00	11.80	12.00	6.70	0.00	12.00	6.20	6.70	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:30 PM	359.00	9.50	5.20	3.80	0.00	11.40	3.80	6.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 4:45 PM	14.00	9.50	10.90	6.30	0.00	10.90	3.30	6.30	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:00 PM	2.00	7.60	10.90	7.20	0.00	10.90	3.50	7.20	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:15 PM	5.00	10.20	0.00	7.10	0.00	0.00	3.40	7.10	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:30 PM	1.00	8.00	0.00	7.10	0.00	0.00	3.20	7.10	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 5:45 PM	8.00	9.80	0.00	6.70	0.00	0.00	3.00	6.70	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:00 PM	3.00	9.60	9.30	6.90	0.00	9.30	3.30	6.90	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:15 PM	11.00	10.40	8.50	7.50	0.00	8.50	3.10	7.50	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:30 PM	12.00	10.30	7.70	6.80	0.00	7.70	2.70	6.80	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 6:45 PM	3.00	9.70	7.70	6.70	0.00	7.70	2.70	6.70	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/10/13 7:00 PM	6.00	9.														



US Army Corps
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Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-8-13 to 5-14-13

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)					
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/11/13 2:15 AM	338.00	1.80	9.60	6.80	0.00	8.10	6.80	10.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:30 AM	314.00	2.20	10.50	7.40	0.00	8.30	7.40	9.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:45 AM	22.00	1.40	8.90	11.20	2.30	8.90	9.90	11.20	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:00 AM	312.00	0.90	9.60	8.40	0.00	9.20	8.40	7.80	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:15 AM	306.00	1.40	10.00	8.70	0.00	9.50	8.70	6.90	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:30 AM	316.00	2.00	10.80	8.20	0.00	9.50	8.20	5.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:45 AM	268.00	0.80	5.40	10.50	5.10	10.50	8.80	5.40	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:00 AM	210.00	1.90	6.70	10.20	3.50	10.20	8.40	6.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:15 AM	209.00	1.40	7.60	10.10	2.50	10.10	8.30	7.60	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:30 AM	218.00	1.40	7.90	9.80	1.90	9.80	10.10	7.90	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:45 AM	217.00	2.20	9.70	11.20	1.50	11.20	11.50	9.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:00 AM	231.00	2.00	10.70	10.90	0.20	10.90	10.70	10.70	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:15 AM	243.00	2.30	12.20	10.70	0.00	10.70	12.00	12.20	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:30 AM	250.00	2.50	12.20	10.70	0.00	10.70	15.50	12.20	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:45 AM	252.00	2.00	18.30	14.30	0.00	14.30	16.90	18.30	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:00 AM	230.00	2.60	19.50	14.80	0.00	14.80	19.00	19.50	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:15 AM	229.00	2.00	21.30	15.20	0.00	15.20	21.00	21.30	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:30 AM	239.00	2.60	21.30	15.60	0.00	15.60	21.20	21.30	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:45 AM	201.00	2.90	18.40	16.20	0.00	16.20	20.40	18.40	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:00 AM	248.00	2.80	15.80	16.60	0.80	16.60	21.40	15.80	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:15 AM	228.00	3.30	13.60	16.50	2.90	16.50	20.90	13.60	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:30 AM	240.00	2.70	12.00	16.80	4.80	16.80	20.40	12.00	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:45 AM	264.00	3.90	11.20	16.90	5.70	16.90	19.70	11.20	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 8:00 AM	235.00	4.20	11.70	0.00	0.00	0.00	19.70	11.70	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 8:15 AM	243.00	3.70	12.30	16.60	4.30	16.60	23.80	12.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 8:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	16.60	23.80	12.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 8:45 AM	257.00	5.30	10.60	15.10	4.50	15.10	23.20	10.60	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 9:00 AM	272.00	4.90	5.40	16.70	11.30	0.00	16.70	9.80	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 9:15 AM	240.00	5.60	9.90	14.80	4.90	14.80	16.80	9.90	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 9:30 AM	226.00	3.30	11.00	15.80	4.80	15.80	20.20	11.00	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 9:45 AM	204.00	4.60	10.10	17.70	7.60	17.70	18.90	10.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 10:00 AM	210.00	5.90	7.00	16.80	9.80	16.80	12.40	7.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 10:15 AM	207.00	5.20	6.40	15.10	8.70	15.10	9.90	6.40	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 10:30 AM	210.00	6.50	6.60	14.20	7.60	14.20	11.10	6.60	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 10:45 AM	198.00	4.50	10.80	17.50	6.70	17.50	18.40	10.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 11:00 AM	237.00	7.20	9.80	16.60	6.80	16.60	14.10	9.80	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 11:15 AM	248.00	4.30	8.40	14.90	6.50	14.90	11.10	8.40	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 11:30 AM	236.00	5.00	8.70	15.20	6.50	15.20	11.90	8.70	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 11:45 AM	238.00	5.10	7.30	13.40	6.10	13.40	8.70	7.30	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 12:00 PM	235.00	3.60	5.70	13.00	7.30	13.00	6.50	5.70	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 12:15 PM	257.00	6.80	5.40	13.30	7.90	13.30	5.90	5.40	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 12:30 PM	307.00	5.90	5.00	6.40	1.40	13.90	6.40	5.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 12:45 PM	286.00	4.50	5.80	6.80	1.00	14.00	6.80	5.10	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 1:00 PM	293.00	5.70	6.90	8.30	1.40	14.70	8.30	6.20	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 1:15 PM	297.00	8.70	6.80	10.30	3.50	14.70	10.30	6.50	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 1:30 PM	290.00	7.60	7.80	9.10	1.30	15.60	9.10	6.70	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 1:45 PM	345.00	7.20	8.90	10.70	1.80	15.50	10.70	7.70	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:00 PM	326.00	7.70	9.10	9.60	0.50	14.00	9.60	7.00	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:15 PM	348.00	7.90	11.90	8.80	0.00	11.80	8.80	7.40	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:30 PM	354.00	6.70	8.10	7.50	0.00	10.00	7.50	7.60	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 2:45 PM	339.00	7.70	8.50	7.10	0.00	9.20	7.10	8.50	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:00 PM	22.00	10.10	9.00	8.50	0.00	9.00	6.90	8.50	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:15 PM	17.00	8.50	8.90	8.10	0.00	8.90	6.40	8.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:30 PM	38.00	8.50	7.70	8.10	0.40	7.70	3.80	8.10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 3:45 PM	39.00	8.00	7.40	6.40	0.00	7.40	4.20	6.40	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:00 PM	36.00	8.10	7.50	9.20	1.70	7.50	5.10	9.20	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:15 PM	45.00	5.00	8.10	9.20	1.10	8.10	6.60	9.20	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:30 PM	35.00	6.80	8.90	6.60	0.00	8.90	6.40	6.60	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 4:45 PM	23.00	5.90	8.40	7.20	0.00	8.40	4.60	7.20	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:00 PM	39.00	5.70	8.40	6.20	0.00	8.40	4.60	6.20	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:15 PM	62.00	3.80	8.00	9.50	1.50	8.00	5.10	9.50	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:30 PM	62.00	4.20	8.40	7.60	0.00	8.40	11.70	7.60	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 5:45 PM	56.00	2.40	7.80	5.10	0.00	7.80	3.90	5.10	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:00 PM	50.00	4.60	7.60	3.90	0.00	7.60	3.40	3.90	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:15 PM	82.00	2.20	0.00	4.80	0.00	0.00	3.40	4.80	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:30 PM	48.00	2.60	7.50	5.20	0.00	7.50	5.40	5.20	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 6:45 PM	49.00	4.90	7.30	6.20	0.00	7.30	20.50	6.20	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:00 PM	53.00	4.90	7.40	8.70	1.30	7.40	16.60	8.70	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:15 PM	52.00	4.20	7.10	11.10	4.00	7.10	17.70	11.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/11/13 7:30 PM	84.00	2.20	6.80	8.00	1.20	6.80	6.20	8.00	5.20	0.00	0.00	0.00	0			



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5-8-13 to 5-14-13

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)								Naphthalene (µg/m ³)					
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/12/13 3:00 AM	316.00	3.20	9.00	6.30	0.00	7.40	6.30	7.10	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:15 AM	319.00	3.40	9.10	5.50	0.00	7.40	5.50	7.70	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:30 AM	308.00	4.00	9.50	5.40	0.00	7.50	5.40	7.60	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:45 AM	307.00	4.70	8.50	5.90	0.00	7.40	5.90	6.90	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:00 AM	315.00	3.80	8.50	5.90	0.00	7.40	5.90	7.10	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:15 AM	314.00	3.00	8.60	6.00	0.00	7.40	6.00	6.20	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:30 AM	305.00	3.50	8.70	6.70	0.00	7.40	6.70	7.50	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:45 AM	309.00	3.70	10.20	5.90	0.00	7.70	5.90	9.00	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:00 AM	330.00	4.80	9.80	5.50	0.00	7.70	5.50	8.30	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:15 AM	329.00	3.10	10.30	5.60	0.00	7.50	5.60	8.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:30 AM	334.00	2.80	10.40	5.90	0.00	7.80	5.90	8.60	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:45 AM	321.00	2.90	8.90	5.90	0.00	8.00	5.90	6.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:00 AM	315.00	3.40	7.50	4.90	0.00	7.60	4.90	6.40	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:15 AM	305.00	2.40	8.50	3.80	0.00	7.50	3.80	5.30	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:30 AM	293.00	4.30	10.90	3.30	0.00	7.40	3.30	5.10	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:45 AM	322.00	4.00	6.00	4.10	0.00	7.10	4.10	4.40	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:00 AM	309.00	4.40	7.40	4.20	0.00	7.20	4.20	3.90	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:15 AM	325.00	4.60	5.70	4.90	0.00	7.10	4.90	5.10	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:30 AM	352.00	6.60	9.50	6.10	0.00	7.10	6.10	7.50	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:45 AM	327.00	6.30	7.70	6.10	0.00	6.90	6.10	4.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:00 AM	357.00	5.50	7.40	6.90	0.00	6.70	6.90	5.70	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:15 AM	334.00	4.50	6.20	5.70	0.00	6.50	5.70	5.80	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:30 AM	358.00	5.90	4.90	3.80	0.00	5.90	3.80	3.50	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:45 AM	351.00	8.50	3.80	3.50	0.00	5.80	3.50	3.60	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 9:00 AM	344.00	4.40	4.70	3.00	0.00	5.70	3.00	3.30	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 9:15 AM	354.00	5.60	3.80	2.10	0.00	5.50	2.10	3.20	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 9:30 AM	356.00	3.70	3.50	2.00	0.00	5.20	2.00	2.60	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 9:45 AM	357.00	4.40	3.50	2.00	0.00	5.00	2.00	2.40	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 10:00 AM	7.00	6.60	4.80	2.50	0.00	4.80	2.00	2.50	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 10:15 AM	0.00	6.40	4.80	2.40	0.00	4.80	1.80	2.40	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 10:30 AM	320.00	4.80	4.20	1.70	0.00	4.50	1.70	2.80	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 10:45 AM	344.00	5.40	3.20	1.80	0.00	4.40	1.80	2.40	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 11:00 AM	341.00	4.00	3.40	3.10	0.00	4.30	3.10	2.80	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 11:15 AM	356.00	3.20	3.20	3.50	0.30	4.10	3.50	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 11:30 AM	10.00	6.20	4.00	1.90	0.00	4.00	3.80	1.90	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 11:45 AM	28.00	3.30	4.10	2.10	0.00	4.10	3.20	2.10	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 12:00 PM	35.00	5.00	3.90	2.60	0.00	3.90	4.20	2.60	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 12:15 PM	22.00	5.30	3.90	3.80	0.00	3.90	3.50	3.80	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 12:30 PM	40.00	4.10	4.00	2.60	0.00	4.00	3.50	2.60	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 12:45 PM	86.00	2.00	4.10	3.50	0.00	4.10	3.50	3.50	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 1:00 PM	79.00	3.20	4.00	3.90	0.00	4.00	3.60	3.90	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 1:15 PM	116.00	4.80	8.80	7.00	0.00	0.00	8.80	3.70	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 1:30 PM	98.00	1.30	4.70	9.30	4.60	3.90	4.70	4.80	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 1:45 PM	77.00	3.00	3.90	4.10	0.20	3.90	4.00	4.10	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 2:00 PM	61.00	3.70	3.80	5.00	1.20	3.80	4.00	5.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 2:15 PM	76.00	3.50	3.80	6.80	3.00	3.80	5.30	6.80	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 2:30 PM	59.00	3.30	4.10	10.30	6.20	4.10	8.70	10.30	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 2:45 PM	68.00	4.20	4.60	12.10	7.50	4.60	6.70	12.10	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:00 PM	66.00	2.40	4.70	7.40	2.70	4.70	8.60	7.40	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:15 PM	69.00	5.60	5.20	12.80	7.60	5.20	8.30	12.80	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:30 PM	49.00	4.00	5.80	13.00	7.20	5.80	6.00	13.00	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 3:45 PM	80.00	3.60	6.30	13.90	7.60	6.30	14.00	13.90	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:00 PM	105.00	2.50	16.50	12.70	0.00	7.60	16.50	19.10	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:15 PM	83.00	4.10	8.20	16.10	7.90	8.20	13.70	16.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:30 PM	49.00	2.50	0.00	14.90	0.00	0.00	19.60	14.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 4:45 PM	65.00	3.00	9.40	12.80	3.40	9.40	20.30	12.80	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:00 PM	87.00	4.40	9.20	16.50	7.30	9.20	25.90	16.50	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:15 PM	84.00	2.80	10.50	14.50	4.00	10.50	21.80	14.50	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:30 PM	99.00	3.50	40.00	63.20	23.20	17.40	40.00	46.60	63.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 5:45 PM	91.00	3.20	65.60	39.70	0.00	14.10	65.60	96.90	39.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:00 PM	137.00	4.50	12.10	30.00	17.90	15.40	12.10	29.90	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:15 PM	89.00	4.10	13.80	17.40	3.60	13.80	40.70	17.40	51.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:30 PM	85.00	4.20	16.40	21.60	5.20	16.40	19.40	21.60	41.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 6:45 PM	106.00	2.20	99.40	42.80	0.00	37.80	99.40	68.00	42.80	0.00	0.00	1.20	0.00	0.00	0.00	0.00
5/12/13 7:00 PM	105.00	2.50	18.80	81.00	62.20	28.00	18.80	92.00	81.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:15 PM	117.00	4.00	12.10	81.00	68.90	11.70	12.10	9.10	81.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:30 PM	85.00	4.00	11.20	9.70	0.00	11.20	11.00	9.70	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 7:45 PM	91.00	3.70	15.30	10.80	0.00	11.60	15.30	12.00	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:00 PM	84.00	3.90	11.60	18.80	7.20	11.60	13.70	18.80	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:15 PM	88.00	2.70	11.50	12.10	0.60	11.50	9.70	12.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/12/13 8:30 PM	88.00	3.50	11.9													



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-8-13 to 5-14-13

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/13/13 3:45 AM	104.00	0.90	16.70	21.30	4.60	16.60	16.70	18.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:00 AM	173.00	1.40	19.90	26.70	6.80	0.00	19.90	23.40	26.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:15 AM	173.00	0.40	20.90	30.30	9.40	17.40	20.90	23.80	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:30 AM	184.00	2.40	24.70	0.00	0.00	0.00	23.00	24.70	28.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:45 AM	185.00	2.70	24.30	18.20	0.00	18.20	27.70	24.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:00 AM	179.00	1.90	33.30	21.60	0.00	16.80	33.30	30.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:15 AM	182.00	2.10	33.20	17.70	0.00	17.70	33.30	33.20	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:30 AM	198.00	1.70	28.50	17.70	0.00	17.70	37.60	28.50	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:45 AM	201.00	1.60	19.90	16.50	0.00	16.50	21.00	19.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:00 AM	215.00	1.90	23.60	15.70	0.00	15.70	22.60	23.60	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:15 AM	214.00	1.10	19.70	18.10	0.00	18.10	24.70	19.70	24.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:30 AM	214.00	1.50	17.10	17.00	0.00	17.00	17.00	17.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:45 AM	214.00	1.50	18.70	16.70	0.00	16.70	18.60	18.70	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:00 AM	210.00	2.00	17.80	17.10	0.00	17.10	16.50	17.80	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:15 AM	202.00	2.70	18.50	17.30	0.00	17.30	16.90	18.50	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:30 AM	168.00	2.30	14.20	21.20	7.00	16.60	14.20	19.80	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:45 AM	243.00	2.40	18.10	16.90	0.00	16.90	16.70	18.10	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:00 AM	177.00	0.70	14.60	15.90	1.30	16.70	14.60	15.50	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:15 AM	201.00	1.00	15.20	15.80	0.60	15.80	12.90	15.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:30 AM	225.00	0.70	15.00	15.50	0.50	15.50	12.70	15.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:45 AM	62.00	0.60	14.60	13.60	0.00	14.60	11.80	13.60	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 9:00 AM	14.00	0.80	13.80	13.30	0.00	13.80	12.90	13.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 9:15 AM	27.00	0.80	13.90	13.60	0.00	13.90	11.80	13.60	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 9:30 AM	25.00	1.60	14.20	14.00	0.00	14.20	18.50	14.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 9:45 AM	48.00	1.80	14.00	15.90	1.90	14.00	14.30	15.90	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 10:00 AM	344.00	1.50	20.30	16.70	0.00	15.00	16.70	17.50	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 10:15 AM	348.00	1.90	23.60	18.10	0.00	16.30	18.10	19.00	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 10:30 AM	304.00	2.60	25.80	20.90	0.00	16.00	20.90	19.40	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 10:45 AM	324.00	0.80	21.90	18.30	0.00	15.70	18.30	20.80	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 11:00 AM	279.00	2.60	22.80	19.40	0.00	15.50	19.40	21.10	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 11:15 AM	7.00	1.90	15.90	18.70	2.80	15.90	19.00	18.70	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 11:30 AM	9.00	2.10	17.00	20.80	3.80	17.00	21.00	20.80	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 11:45 AM	30.00	3.80	17.70	21.10	3.40	17.70	21.70	21.10	29.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 12:00 PM	50.00	1.80	17.60	18.60	1.00	17.60	19.60	18.60	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 12:15 PM	18.00	3.50	14.50	11.90	0.00	14.50	14.10	11.90	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 12:30 PM	39.00	2.30	16.00	16.00	0.00	16.00	17.10	16.00	20.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 12:45 PM	67.00	2.90	16.40	19.10	2.70	16.40	19.00	19.10	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 1:00 PM	126.00	5.70	17.70	23.40	5.70	15.60	17.70	14.90	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 1:15 PM	88.00	4.70	16.60	19.80	3.20	16.60	17.40	19.80	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 1:30 PM	97.00	4.60	16.80	33.50	16.70	0.00	16.80	16.90	33.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 1:45 PM	105.00	4.00	59.60	43.50	0.00	27.90	59.60	57.20	43.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 2:00 PM	87.00	6.50	30.40	48.80	18.40	30.40	50.90	48.80	64.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 2:15 PM	91.00	5.20	49.40	69.80	20.40	31.00	49.40	48.80	69.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 2:30 PM	98.00	5.90	57.90	64.60	6.70	36.60	57.90	44.20	64.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 2:45 PM	91.00	4.90	46.40	72.50	26.10	39.80	46.40	42.30	72.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 3:00 PM	107.00	5.20	53.40	49.60	0.00	29.60	53.40	42.80	49.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 3:15 PM	109.00	4.50	54.80	45.20	0.00	31.10	54.80	50.90	45.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 3:30 PM	98.00	6.80	47.70	55.60	7.90	32.60	47.70	35.30	55.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 3:45 PM	84.00	5.40	30.40	40.10	9.70	30.40	33.90	40.10	44.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:00 PM	92.00	5.10	38.90	45.20	6.30	32.90	38.90	35.40	45.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:15 PM	89.00	5.60	32.50	33.80	1.30	32.50	38.90	33.80	53.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:30 PM	83.00	4.60	30.90	31.80	0.90	30.90	42.20	31.80	44.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 4:45 PM	95.00	5.00	44.50	41.10	0.00	30.00	44.50	29.40	41.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:00 PM	85.00	6.30	33.00	25.30	0.00	33.00	30.30	25.30	58.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:15 PM	86.00	4.80	30.60	23.00	0.00	30.60	22.00	23.00	40.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:30 PM	80.00	4.70	26.20	34.10	7.90	26.20	22.00	34.10	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 5:45 PM	83.00	6.00	27.30	23.80	0.00	27.30	26.10	23.80	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:00 PM	82.00	4.60	27.70	22.70	0.00	27.70	24.50	22.70	54.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:15 PM	88.00	4.30	23.50	19.50	0.00	23.50	19.10	19.50	37.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:30 PM	83.00	5.40	27.50	49.40	21.90	27.50	62.40	49.40	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 6:45 PM	98.00	3.90	31.60	37.20	5.60	26.30	31.60	30.40	37.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:00 PM	92.00	3.40	27.30	28.00	0.70	24.30	27.30	25.40	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:15 PM	98.00	3.10	24.20	26.20	2.00	26.70	24.20	35.00	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:30 PM	130.00	5.10	18.60	29.00	10.40	23.90	18.60	21.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 7:45 PM	117.00	3.10	52.60	26.90	0.00	23.30	52.60	52.90	26.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:00 PM	131.00	4.40	49.80	18.80	0.00	23.40	49.80	30.20	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:15 PM	140.00	2.40	32.90	21.50	0.00	22.90	32.90	23.20	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:30 PM	133.00	2.70	50.10	21.00	0.00	22.20	50.10	43.10	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/13/13 8:45 PM	147.00	1.90	38.80	19.30	0.00	22.60	38.80	33.5								



**US Army Corps
of Engineers®**

Indiana Harbor and Canal
Confined Disposal Facility
Real-Time Air Monitoring Data
5-8-13 to 5-14-13

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m ³)							Naphthalene (µg/m ³)						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
5/14/13 4:30 AM	201.00	7.40	19.00	23.50	4.50	23.50	17.60	19.00	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 4:45 AM	205.00	6.90	17.90	23.30	5.40	23.30	16.90	17.90	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:00 AM	203.00	6.10	17.40	23.30	5.90	23.30	17.70	17.40	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:15 AM	203.00	7.20	18.00	23.10	5.10	23.10	17.40	18.00	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:30 AM	210.00	6.30	18.80	22.60	3.80	22.60	17.80	18.80	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:45 AM	203.00	7.10	18.60	22.50	3.90	22.50	16.00	18.60	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:00 AM	206.00	7.20	18.50	22.00	3.50	22.00	16.30	18.50	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:15 AM	210.00	7.00	18.80	21.70	2.90	21.70	18.30	18.80	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:30 AM	211.00	7.60	18.30	21.90	3.60	21.90	17.70	18.30	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:45 AM	214.00	8.60	19.40	22.10	2.70	22.10	20.10	19.40	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:00 AM	210.00	6.60	20.80	22.80	2.00	22.80	18.90	20.80	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:15 AM	219.00	8.60	21.40	21.30	0.00	21.30	18.00	21.40	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:30 AM	216.00	8.20	21.00	21.30	0.30	21.30	19.50	21.00	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:45 AM	213.00	6.70	21.00	21.10	0.10	21.10	18.00	21.00	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:00 AM	210.00	5.50	20.80	21.20	0.40	21.20	19.00	20.80	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:15 AM	219.00	8.50	22.20	21.00	0.00	21.00	19.10	22.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:30 AM	217.00	9.00	21.90	21.30	0.00	21.30	19.80	21.90	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:45 AM	224.00	9.10	23.00	21.80	0.00	21.80	22.20	23.00	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:00 AM	217.00	7.70	24.50	21.80	0.00	21.80	21.40	24.50	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:15 AM	227.00	7.40	23.50	22.00	0.00	22.00	23.60	23.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:30 AM	229.00	6.10	22.10	22.10	0.00	22.10	23.40	22.10	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:45 AM	234.00	7.80	23.10	22.60	0.00	22.60	22.30	23.10	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 10:00 AM	238.00	8.80	22.20	22.60	0.40	22.60	25.00	22.20	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 10:15 AM	232.00	8.30	26.10	22.80	0.00	22.80	25.30	26.10	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 10:30 AM	228.00	7.20	28.70	23.00	0.00	23.00	26.00	28.70	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 10:45 AM	238.00	7.50	32.60	22.70	0.00	22.70	26.90	32.60	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 11:00 AM	230.00	7.60	34.50	22.80	0.00	22.80	34.10	34.50	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 11:15 AM	241.00	8.10	46.80	23.40	0.00	23.40	44.80	46.80	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 11:30 AM	250.00	5.40	41.70	23.50	0.00	23.50	26.80	41.70	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 11:45 AM	249.00	6.60	40.00	23.90	0.00	23.90	26.40	40.00	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 12:00 PM	264.00	7.50	39.90	23.50	0.00	23.50	23.10	39.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 12:15 PM	244.00	6.30	40.50	24.30	0.00	24.30	37.30	40.50	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 12:30 PM	263.00	4.10	44.80	24.30	0.00	24.30	20.60	44.80	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 12:45 PM	277.00	5.20	23.50	21.10	0.00	25.20	21.10	37.80	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 1:00 PM	264.00	4.20	39.60	25.20	0.00	25.20	21.60	39.60	25.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 1:15 PM	272.00	4.80	25.10	25.30	0.20	25.50	25.30	55.00	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 1:30 PM	304.00	4.70	30.20	24.40	0.00	25.80	24.40	40.70	30.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 1:45 PM	258.00	5.60	38.70	25.80	0.00	25.80	26.50	38.70	44.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 2:00 PM	287.00	5.40	31.10	26.60	0.00	26.10	26.60	88.60	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 2:15 PM	254.00	4.30	40.80	27.60	0.00	27.60	42.60	40.80	34.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 2:30 PM	261.00	4.50	56.90	27.20	0.00	27.20	28.30	56.90	48.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 2:45 PM	280.00	2.10	49.50	30.30	0.00	27.50	30.30	43.20	49.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 3:00 PM	257.00	5.30	45.80	27.90	0.00	27.90	34.40	45.80	50.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 3:15 PM	275.00	4.40	62.80	39.50	0.00	29.80	39.50	46.90	62.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 3:30 PM	272.00	4.20	67.10	42.30	0.00	28.10	42.30	102.70	67.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 3:45 PM	255.00	4.00	51.50	28.80	0.00	28.80	37.40	51.50	76.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 4:00 PM	272.00	3.50	164.10	35.20	0.00	28.30	35.20	42.30	164.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 4:15 PM	344.00	3.70	54.90	35.40	0.00	28.00	35.40	42.10	54.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 4:30 PM	89.00	1.30	28.60	46.10	17.50	28.60	37.40	46.10	61.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 4:45 PM	131.00	4.40	39.80	50.40	10.60	27.80	39.80	40.40	50.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:00 PM	83.00	4.60	28.10	43.00	14.90	28.10	42.30	43.00	63.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:15 PM	85.00	3.90	27.30	41.70	14.40	27.30	36.70	41.70	77.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:30 PM	94.00	6.20	33.40	52.70	19.30	25.80	33.40	39.50	52.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 5:45 PM	99.00	4.00	168.10	119.10	0.00	40.90	168.10	77.50	119.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:00 PM	90.00	4.20	80.90	117.90	37.00	42.00	80.90	82.10	117.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:15 PM	105.00	6.00	92.30	100.10	7.80	44.90	92.30	88.90	100.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:30 PM	117.00	4.00	74.10	92.00	17.90	41.80	74.10	56.70	92.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 6:45 PM	129.00	3.60	61.50	109.40	47.90	0.00	61.50	56.70	109.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:00 PM	156.00	2.10	74.00	73.90	0.00	40.70	74.00	65.20	73.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:15 PM	145.00	2.40	119.40	61.60	0.00	40.90	119.40	81.60	61.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:30 PM	155.00	1.80	83.20	64.00	0.00	44.10	83.20	50.00	64.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 7:45 PM	179.00	1.60	72.20	58.20	0.00	44.10	72.20	56.50	58.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:00 PM	187.00	2.10	58.70	66.20	7.50	66.20	66.60	58.70	113.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:15 PM	184.00	2.30	58.60	56.70	0.00	56.70	68.10	58.60	113.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:30 PM	195.00	3.80	67.00	58.80	0.00	58.80	80.60	67.00	84.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 8:45 PM	197.00	3.90	72.60	68.30	0.00	68.30	96.50	72.60	86.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:00 PM	211.00	4.20	48.00	65.10	17.10	65.10	88.30	48.00	91.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:15 PM	216.00	6.00	39.70	51.50	11.80	51.50	54.60	39.70	60.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/14/13 9:30 PM	221.00	5.60														