



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/1/15 12:00 AM	175.00	2.30	31.20	23.90	0.00	25.70	31.20	26.10	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:15 AM	146.00	1.90	33.50	27.00	0.00	25.60	33.50	26.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:30 AM	152.00	3.00	32.80	27.30	0.00	25.50	32.80	26.10	27.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:45 AM	172.00	1.60	30.90	25.80	0.00	24.40	30.90	25.40	25.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:00 AM	178.00	1.10	31.20	25.10	0.00	24.10	31.20	25.20	25.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:15 AM	173.00	2.20	32.00	26.20	0.00	22.70	32.00	25.70	26.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:30 AM	161.00	2.30	31.00	23.70	0.00	22.40	31.00	25.20	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:45 AM	174.00	2.70	29.20	24.00	0.00	22.00	29.20	25.30	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:00 AM	170.00	3.10	28.80	24.00	0.00	22.50	28.80	25.10	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:15 AM	165.00	2.40	28.10	23.70	0.00	23.10	28.10	24.70	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:30 AM	164.00	2.90	27.60	23.10	0.00	22.80	27.60	23.70	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:45 AM	162.00	3.00	25.70	21.80	0.00	20.60	25.70	23.70	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:00 AM	164.00	2.40	25.80	21.50	0.00	19.90	25.80	23.20	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:15 AM	164.00	1.80	25.80	22.00	0.00	19.80	25.80	23.50	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:30 AM	186.00	1.40	23.40	19.40	0.00	19.40	23.40	23.40	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:45 AM	190.00	3.10	23.50	19.90	0.00	19.90	23.50	23.50	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:00 AM	199.00	2.20	23.40	20.60	0.00	20.60	23.40	23.40	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:15 AM	204.00	1.60	23.90	20.80	0.00	20.80	23.90	23.90	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:30 AM	210.00	0.80	23.70	21.70	0.00	21.70	23.70	23.70	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:45 AM	218.00	0.50	23.50	21.50	0.00	21.50	23.50	23.50	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 5:00 AM	294.00	0.20	22.90	28.30	5.40	21.80	28.30	24.20	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 5:15 AM	224.00	0.50	24.30	21.90	0.00	21.90	24.30	24.30	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 5:30 AM	254.00	0.50	24.10	21.00	0.00	21.00	24.10	24.10	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 5:45 AM	269.00	0.40	24.20	21.20	0.00	21.20	24.20	24.20	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 6:00 AM	211.00	0.50	25.00	21.50	0.00	21.50	25.00	25.00	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 6:15 AM	1.00	0.70	0.00	25.20	0.00	0.00	25.20	25.20	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 6:30 AM	208.00	0.80	25.10	23.90	0.00	23.90	25.10	25.10	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 6:45 AM	223.00	0.50	25.20	24.30	0.00	24.30	25.20	25.20	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 7:00 AM	205.00	0.90	25.40	24.00	0.00	24.00	25.40	25.40	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 7:15 AM	199.00	0.80	26.60	24.10	0.00	24.10	26.60	26.60	24.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 7:30 AM	163.00	0.60	32.80	28.40	0.00	24.20	32.80	27.90	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 7:45 AM	155.00	1.30	32.50	27.90	0.00	24.50	32.50	28.10	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 8:00 AM	148.00	1.00	33.20	28.00	0.00	21.70	33.20	28.80	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 8:15 AM	176.00	1.60	33.60	29.90	0.00	20.50	33.60	28.90	29.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 8:30 AM	178.00	2.40	33.00	28.80	0.00	19.70	33.00	27.30	28.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 8:45 AM	168.00	1.90	32.90	26.50	0.00	20.00	32.90	27.80	26.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 9:00 AM	145.00	2.00	31.60	28.30	0.00	19.50	31.60	28.20	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 9:15 AM	186.00	1.80	27.70	22.60	0.00	22.60	27.70	27.70	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 9:30 AM	160.00	1.50	29.10	28.40	0.00	22.90	29.10	27.70	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 9:45 AM	201.00	1.70	27.20	24.30	0.00	24.30	27.20	27.20	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 10:00 AM	200.00	1.50	27.50	24.00	0.00	24.00	27.50	27.50	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 10:15 AM	192.00	1.40	27.00	23.90	0.00	23.90	27.00	27.00	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 10:30 AM	238.00	2.00	26.30	22.10	0.00	22.10	26.30	26.30	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 10:45 AM	222.00	2.00	24.20	19.40	0.00	19.40	24.20	24.20	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 11:00 AM	227.00	1.50	24.80	18.00	0.00	18.00	24.80	24.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 11:15 AM	253.00	2.20	25.30	17.60	0.00	17.60	25.30	25.30	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 11:30 AM	224.00	1.90	22.00	0.00	0.00	0.00	22.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 11:45 AM	207.00	1.70	26.40	15.90	0.00	15.90	26.40	26.40	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:00 PM	267.00	2.70	26.90	16.60	0.00	16.60	26.90	26.90	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:15 PM	244.00	2.60	18.80	14.60	0.00	14.60	18.80	18.80	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:30 PM	218.00	1.80	22.10	16.90	0.00	16.90	22.10	22.10	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 12:45 PM	254.00	2.30	23.90	17.20	0.00	17.20	23.90	23.90	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:00 PM	242.00	2.50	19.50	14.30	0.00	14.30	19.50	19.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:15 PM	231.00	2.10	17.90	15.50	0.00	15.50	17.90	17.90	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:30 PM	263.00	2.40	19.00	16.00	0.00	16.00	19.00	19.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 1:45 PM	249.00	2.70	19.60	15.50	0.00	15.50	19.60	19.60	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:00 PM	256.00	2.10	18.10	14.40	0.00	14.40	18.10	18.10	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:15 PM	248.00	2.60	18.10	14.50	0.00	14.50	18.10	18.10	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:30 PM	222.00	3.00	17.20	14.50	0.00	14.50	17.20	17.20	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 2:45 PM	229.00	3.80	17.20	12.00	0.00	12.00	17.20	17.20	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:00 PM	253.00	3.80	19.00	13.30	0.00	13.30	19.00	19.00	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:15 PM	245.00	3.70	18.40	13.50	0.00	13.50	18.40	18.40	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:30 PM	218.00	3.20	17.30	14.10	0.00	14.10	17.30	17.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 3:45 PM	256.00	3.70	18.50	14.20	0.00	14.20	18.50	18.50	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:00 PM	240.00	4.00	18.40	14.00	0.00	14.00	18.40	18.40	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:15 PM	257.00	4.50	18.80	15.30	0.00	15.30	18.80	18.80	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:30 PM	235.00	3.70	18.50	15.10	0.00	15.10	18.50	18.50	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 4:45 PM	237.00	4.20	18.50	14.10	0.00	14.10	18.50	18.50	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/1/15 5:00 PM	242.00	4.10	19.50	14.30	0.00	14.30	19.50	19.50	14.30	0.00	0.00	0.00	0.00			



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/2/15 1:15 AM	278.00	3.00	20.80	25.50	4.70	22.10	25.50	26.00	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 1:30 AM	284.00	3.80	19.20	23.40	4.20	20.70	23.40	23.70	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 1:45 AM	286.00	3.80	16.70	21.00	4.30	19.30	21.00	22.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 2:00 AM	284.00	3.20	16.70	19.50	2.80	19.80	19.50	21.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 2:15 AM	277.00	3.40	16.20	19.30	3.10	19.70	19.30	20.50	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 2:30 AM	272.00	3.90	16.90	19.50	2.60	19.50	19.50	20.50	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 2:45 AM	264.00	3.30	21.00	17.50	0.00	17.50	19.90	21.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 3:00 AM	260.00	2.90	21.70	16.50	0.00	16.50	21.20	21.70	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 3:15 AM	269.00	3.30	21.40	14.90	0.00	14.90	20.60	21.40	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 3:30 AM	254.00	2.80	21.10	14.30	0.00	14.30	20.80	21.10	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 3:45 AM	250.00	3.40	21.80	14.10	0.00	14.10	20.70	21.80	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 4:00 AM	248.00	3.10	21.10	16.20	0.00	16.20	20.50	21.10	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 4:15 AM	244.00	3.00	21.20	16.40	0.00	16.40	20.60	21.20	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 4:30 AM	240.00	2.90	21.20	16.80	0.00	16.80	20.30	21.20	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 4:45 AM	244.00	1.90	21.10	16.50	0.00	16.50	20.40	21.10	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 5:00 AM	244.00	2.80	21.80	16.70	0.00	16.70	20.40	21.80	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 5:15 AM	254.00	3.30	21.30	16.10	0.00	16.10	20.00	21.30	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 5:30 AM	256.00	2.40	20.60	16.10	0.00	16.10	19.60	20.60	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 5:45 AM	243.00	2.60	20.90	15.50	0.00	15.50	19.70	20.90	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:00 AM	237.00	1.80	21.30	15.00	0.00	15.00	20.40	21.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:15 AM	247.00	2.40	21.30	15.10	0.00	15.10	21.10	21.30	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:30 AM	258.00	2.40	21.50	15.90	0.00	15.90	22.00	21.50	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:45 AM	292.00	2.60	17.60	21.70	4.10	16.70	21.70	22.20	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:00 AM	270.00	2.00	17.80	21.90	4.10	16.90	21.90	22.50	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:15 AM	228.00	1.90	22.60	16.10	0.00	16.10	22.40	22.60	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:30 AM	237.00	2.60	23.90	16.50	0.00	16.50	23.60	23.90	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:45 AM	241.00	2.20	24.30	17.40	0.00	17.40	24.90	24.30	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:00 AM	253.00	3.20	26.90	18.80	0.00	18.80	27.10	26.90	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:15 AM	251.00	3.10	25.50	20.10	0.00	20.10	26.90	25.50	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:30 AM	246.00	3.00	24.90	19.90	0.00	19.90	26.10	24.90	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:45 AM	250.00	2.60	24.60	19.30	0.00	19.30	25.50	24.60	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:00 AM	251.00	2.70	24.60	21.10	0.00	21.10	25.80	24.60	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:15 AM	298.00	3.30	19.80	27.10	7.30	19.90	27.10	24.50	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:30 AM	295.00	3.30	18.90	24.00	5.10	19.90	24.00	23.20	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:45 AM	287.00	2.30	20.60	24.80	4.20	22.00	24.80	23.80	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:00 AM	282.00	2.40	21.60	27.70	6.10	25.00	27.70	25.90	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:15 AM	297.00	2.90	21.30	27.80	6.50	25.10	27.80	26.20	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:30 AM	296.00	2.60	19.50	26.10	6.60	25.40	26.10	24.70	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:45 AM	338.00	2.10	14.00	22.80	8.80	18.60	22.80	22.60	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:00 AM	348.00	3.30	13.30	15.10	1.80	17.70	15.10	17.30	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:15 AM	324.00	1.30	13.70	16.70	3.00	17.70	16.70	18.90	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:30 AM	2.00	1.70	21.20	20.10	0.00	21.20	18.20	20.10	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:45 AM	324.00	1.30	15.60	19.40	3.80	21.60	19.40	20.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 12:00 PM	340.00	0.80	16.00	19.00	3.00	22.00	19.00	21.40	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 12:15 PM	12.00	1.20	22.00	21.90	0.00	22.00	19.00	21.90	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 12:30 PM	23.00	1.20	24.20	22.50	0.00	24.20	20.60	22.50	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 12:45 PM	18.00	1.70	26.80	24.20	0.00	26.80	22.70	24.20	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 1:00 PM	356.00	1.50	21.70	23.30	1.60	28.40	23.30	26.00	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 1:15 PM	1.00	1.30	27.20	26.40	0.00	27.20	23.90	26.40	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:30 PM	115.00	3.60	31.70	23.10	0.00	23.60	31.70	28.90	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 6:45 PM	114.00	3.00	43.00	25.20	0.00	24.50	43.00	30.40	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:00 PM	129.00	1.80	40.00	25.20	0.00	25.60	40.00	30.80	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:15 PM	171.00	3.90	43.60	38.20	0.00	37.40	43.60	33.30	38.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:30 PM	198.00	4.10	32.60	37.40	4.80	37.40	41.30	32.60	31.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 7:45 PM	198.00	3.30	22.70	19.10	0.00	19.10	25.50	22.70	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:00 PM	215.00	3.50	24.50	19.90	0.00	19.90	26.80	24.50	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:15 PM	209.00	2.50	26.60	21.60	0.00	21.60	27.60	26.60	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:30 PM	200.00	3.60	27.90	25.90	0.00	25.90	32.50	27.90	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 8:45 PM	197.00	3.40	32.40	0.00	0.00	0.00	37.10	32.40	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:00 PM	207.00	4.30	33.10	32.40	0.00	32.40	42.00	33.10	30.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:15 PM	205.00	4.20	33.80	32.40	0.00	32.40	42.70	33.80	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:30 PM	210.00	3.80	36.40	36.40	0.00	36.40	46.20	36.40	33.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 9:45 PM	199.00	4.10	32.90	36.00	3.10	36.00	44.40	32.90	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:00 PM	187.00	3.90	28.20	29.70	1.50	29.70	34.90	28.20	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:15 PM	177.00	3.00	31.20	24.90	0.00	24.90	31.20	28.70	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:30 PM	172.00	3.30	28.00	21.20	0.00	24.40	28.00	24.70	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 10:45 PM	171.00	3.10	29.30	19.50	0.00	23.90	29.30	24.20	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:00 PM	169.00	2.80	26.90	21.80	0.00	21.80	26.90	25.20	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/2/15 11:15 PM	158.00	3.90	24.70	18.80	0.00	22.70	24.70	24.00	18.80	0.00	0.00	0.00	0.00			



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/3/15 7:30 AM	150.00	6.10	41.80	23.30	0.00	15.80	41.80	35.00	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 7:45 AM	171.00	7.20	38.90	23.10	0.00	15.20	38.90	34.40	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:00 AM	171.00	6.60	37.00	22.00	0.00	14.30	37.00	32.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:15 AM	164.00	8.80	37.20	22.70	0.00	13.60	37.20	31.80	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:30 AM	151.00	7.50	35.80	20.60	0.00	13.90	35.80	30.60	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:45 AM	165.00	6.80	35.60	19.30	0.00	13.90	35.60	30.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:00 AM	162.00	7.80	35.60	19.30	0.00	13.90	35.60	30.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:15 AM	151.00	7.10	36.10	18.60	0.00	13.80	36.10	30.90	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:30 AM	183.00	4.20	30.90	13.20	0.00	13.20	36.90	30.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	13.20	36.80	29.90	18.10	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	13.20	35.20	29.70	17.70	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:15 AM	153.00	6.00	35.20	17.70	0.00	13.20	35.20	29.60	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.80	35.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	12.20	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:00 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:15 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:30 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:45 AM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 12:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 12:15 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 12:30 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 12:45 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 1:00 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	34.20	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 1:15 PM	210.00	10.30	29.10	11.60	0.00	11.60	28.40	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 1:30 PM	209.00	6.60	29.10	11.60	0.00	11.60	28.40	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 1:45 PM	0.00	0.00	0.00	0.00	0.00	0.00	11.60	28.40	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 2:00 PM	206.00	7.50	29.10	11.60	0.00	11.60	28.00	29.10	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 2:15 PM	0.00	0.00	0.00	0.00	0.00	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 2:30 PM	229.00	7.10	29.10	8.90	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 2:45 PM	233.00	5.90	29.10	8.90	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 3:00 PM	245.00	8.50	29.10	8.90	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 3:15 PM	243.00	6.20	29.10	8.90	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 3:30 PM	241.00	7.50	29.10	8.90	0.00	8.90	28.00	29.10	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 3:45 PM	243.00	7.40	29.10	8.90	0.00	8.90	25.90	29.10	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 4:00 PM	253.00	5.40	29.10	8.90	0.00	8.90	25.90	29.10	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 4:15 PM	263.00	8.00	29.10	8.90	0.00	8.90	26.30	29.10	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 4:30 PM	267.00	7.30	29.10	8.90	0.00	8.90	26.30	29.10	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 4:45 PM	270.00	5.40	12.70	26.30	13.60	8.80	26.30	22.10	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 5:00 PM	273.00	5.90	12.70	26.20	13.50	8.80	26.20	22.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 5:15 PM	273.00	6.00	12.70	26.60	13.90	8.80	26.60	22.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 5:30 PM	261.00	5.20	22.00	8.80	0.00	8.80	26.60	22.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 5:45 PM	262.00	6.20	22.00	8.80	0.00	8.80	26.60	22.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 6:00 PM	267.00	5.70	22.00	8.80	0.00	8.80	26.60	22.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 6:15 PM	262.00	6.20	22.00	8.80	0.00	8.80	26.60	22.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 6:30 PM	278.00	4.00	12.90	26.60	13.70	8.80	26.60	22.00	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 6:45 PM	271.00	5.60	13.20	23.70	10.50	8.10	23.70	22.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 7:00 PM	268.00	4.10	22.00	8.10	0.00	8.10	22.40	22.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 7:15 PM	267.00	4.60	22.00	8.10	0.00	8.10	22.40	22.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 7:30 PM	275.00	4.00	13.50	20.60	7.10	7.30	20.60	20.80	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 7:45 PM	262.00	3.40	17.30	6.40	0.00	6.40	17.50	17.30	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:00 PM	275.00	4.30	8.90	14.00	5.10	5.40	14.00	14.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:15 PM	263.00	4.20	15.20	5.30	0.00	5.30	14.80	15.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:30 PM	273.00	4.20	11.90	22.00	10.10	6.50	22.00	20.50	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 8:45 PM	277.00	3.50	9.80	20.70	10.90	6.60	20.70	19.60	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:00 PM	273.00	3.50	9.10	25.10	16.00	7.70	25.10	22.10	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:15 PM	279.00	3.50	9.70	22.30	12.60	7.90	22.30	21.10	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:30 PM	280.00	3.60	10.30	18.40	8.10	8.80	18.40	18.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 9:45 PM	286.00	4.80	10.60	14.50	3.90	8.20	14.50	16.00	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:00 PM	270.00	4.50	10.50	11.50	1.00	7.90	11.50	15.80	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:15 PM	277.00	5.10	11.40	11.80	0.40	8.70	11.80	11.70	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:30 PM	291.00	6.00	11.40	11.20	0.00	9.40	11.20	12.00	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 10:45 PM	286.00	6.70	13.90	13.90	0.00	12.60	13.90	13.40	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:00 PM	290.00	6.40	14.70	15.40	0.70	14.50	15.40	14.20	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:15 PM	286.00	5.40	16.70	17.10	0.40	16.10	17.10	15.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:30 PM	286.00	4.90	17.90	17.80	0.00	16.90	17.80	15.70	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/3/15 11:45 PM	309.00	4.70	19.40	18.80	0.00	17.40	18.80	16.40	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/15 12:00 AM	287.00	3.30	20.30	20.30	0.00	16.90	20.30	17.70	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/15 12:15 AM	284.00	4.50	21.10	20.80	0.00	16.80	20.80	17.90	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/15 12:30 AM	285.00	5.00	21.60	20.90	0.00	15.50	20.90	18.30	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/4/15 12:45 AM	285.00	4.20	22.00	22.10	0													



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/4/15 8:45 AM	325.00	4.50	9.50	12.40	2.90	13.40	12.40	12.60	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:00 AM	311.00	3.70	10.00	13.30	3.30	13.40	13.30	13.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:15 AM	301.00	4.50	9.90	13.60	3.70	13.90	13.60	14.60	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:30 AM	303.00	4.20	10.00	13.80	3.80	14.20	13.80	13.70	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:45 AM	303.00	4.10	10.40	14.10	3.70	14.30	14.10	14.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:00 AM	315.00	3.80	10.00	13.70	3.70	13.40	13.70	14.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:15 AM	284.00	3.80	10.80	15.70	4.90	14.70	15.70	14.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:30 AM	303.00	4.70	10.70	14.90	4.20	15.30	14.90	14.90	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:45 AM	301.00	5.20	11.10	15.30	4.20	15.90	15.30	15.60	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:00 AM	331.00	3.80	10.70	14.90	4.20	15.90	14.90	15.80	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:15 AM	316.00	3.70	10.50	14.60	4.10	16.10	14.60	15.50	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:30 AM	300.00	5.40	12.20	15.70	3.50	17.90	15.70	16.30	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:45 AM	302.00	5.70	12.70	16.70	4.00	19.20	16.70	17.50	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 12:00 PM	289.00	5.70	13.40	18.50	5.10	19.60	18.50	18.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 12:15 PM	301.00	4.60	12.90	18.40	5.50	19.90	18.40	17.70	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 12:30 PM	307.00	4.30	13.40	17.20	3.80	20.60	17.20	18.10	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 12:45 PM	298.00	4.80	13.20	18.00	4.80	20.30	18.00	17.70	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 1:00 PM	304.00	5.80	13.40	17.70	4.30	20.50	17.70	17.80	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 1:15 PM	276.00	4.90	12.90	17.50	4.60	19.20	17.50	17.40	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 1:30 PM	304.00	5.40	12.80	16.80	4.00	19.10	16.80	16.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 1:45 PM	306.00	5.80	13.70	16.70	3.00	19.80	16.70	17.20	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 2:00 PM	311.00	6.60	13.20	17.20	4.00	19.10	17.20	17.30	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 2:15 PM	300.00	5.30	12.60	16.60	4.00	18.70	16.60	16.90	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 2:30 PM	321.00	4.50	12.20	16.10	3.90	17.80	16.10	16.40	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 2:45 PM	310.00	5.60	12.50	15.50	3.00	18.50	15.50	16.30	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 3:00 PM	308.00	5.00	12.50	15.20	2.70	18.20	15.20	16.60	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 3:15 PM	300.00	4.40	11.40	13.80	2.40	17.30	13.80	15.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 3:30 PM	308.00	6.10	11.80	14.40	2.60	17.50	14.40	15.90	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 3:45 PM	327.00	4.70	12.00	14.60	2.60	17.60	14.60	15.40	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 4:00 PM	329.00	6.50	11.20	13.50	2.30	16.80	13.50	15.80	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 4:15 PM	300.00	4.50	15.00	13.80	0.00	16.80	13.80	15.30	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 4:30 PM	331.00	4.70	11.20	13.50	2.30	15.10	13.50	14.90	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 4:45 PM	307.00	5.10	8.60	9.50	0.90	13.20	9.50	12.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 5:00 PM	336.00	4.40	7.80	9.40	1.60	12.20	9.40	11.50	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 5:15 PM	335.00	4.50	7.90	9.50	1.60	12.40	9.50	11.70	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 5:30 PM	309.00	5.20	8.50	10.90	2.40	12.30	10.90	12.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 5:45 PM	327.00	5.20	7.90	9.50	1.60	11.80	9.50	11.40	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 6:00 PM	330.00	5.00	7.30	9.70	2.40	11.90	9.70	11.50	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 6:15 PM	327.00	5.00	7.60	9.80	2.20	12.10	9.80	11.90	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 6:30 PM	344.00	5.60	7.60	9.90	2.30	11.20	9.90	12.70	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 6:45 PM	322.00	4.80	8.30	10.80	2.50	12.30	10.80	12.50	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 7:00 PM	320.00	4.50	8.50	10.80	2.30	12.10	10.80	12.80	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 7:15 PM	313.00	5.70	7.90	10.00	2.10	11.80	10.00	12.10	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 7:30 PM	308.00	4.60	8.20	10.60	2.40	12.10	10.60	12.80	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 7:45 PM	312.00	3.40	9.60	11.60	2.00	13.50	11.60	13.10	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 8:00 PM	310.00	4.10	8.90	13.30	4.40	12.90	13.30	15.80	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 8:15 PM	324.00	5.30	8.10	10.60	2.50	0.00	10.60	14.10	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 8:30 PM	311.00	3.40	7.70	11.00	3.30	11.70	11.00	12.90	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 8:45 PM	301.00	3.70	8.20	12.30	4.10	12.80	12.30	14.60	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:00 PM	285.00	3.30	9.60	14.90	5.30	14.50	14.90	16.60	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:15 PM	290.00	4.70	10.00	14.60	4.60	0.00	14.60	16.30	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:30 PM	281.00	4.00	12.30	14.70	2.40	14.80	14.70	15.90	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 9:45 PM	293.00	3.60	9.20	13.20	4.00	12.10	13.20	15.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:00 PM	301.00	5.40	8.90	14.00	5.10	11.00	14.00	14.90	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:15 PM	304.00	3.40	8.80	13.10	4.30	10.60	13.10	15.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:30 PM	307.00	2.80	9.50	13.40	3.90	11.10	13.40	15.20	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 10:45 PM	299.00	4.20	9.30	13.80	4.50	11.50	13.80	14.80	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:00 PM	303.00	2.70	8.80	13.90	5.10	11.50	13.90	15.10	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:15 PM	312.00	3.90	10.00	13.60	3.60	12.60	13.60	14.50	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:30 PM	308.00	5.30	9.10	12.90	3.80	11.70	12.90	14.60	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/4/15 11:45 PM	295.00	4.30	8.70	13.50	4.80	12.40	13.50	15.70	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 12:00 AM	318.00	4.90	8.40	13.40	5.00	12.30	13.40	14.60	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 12:15 AM	316.00	3.90	8.20	12.60	4.40	12.30	12.60	14.80	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 12:30 AM	319.00	3.60	8.60	12.90	4.30	12.50	12.90	15.40	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 12:45 AM	330.00	3.60	8.80	13.20	4.40	13.00	13.20	14.60	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 1:00 AM	316.00	4.80	8.80	13.00	4.20	14.20	13.00	14.70	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 1:15 AM	318.00	3.40	8.80	13.20	4.40	13.90	13.20	15.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 1:30 AM	325.00	3.80	8.30	13.20	4.90	13.60	13.20	14.90	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 1:45 AM	312.00	3.70	8.80	13.20	4.40	14.00	13.20	15.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/5/15 2:00 AM	320.00	3.60														



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/5/15 10:00 AM	312.00	2.90	11.30	18.30	7.00	19.10	18.30	19.70	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:15 AM	312.00	4.10	10.50	18.20	7.70	18.70	18.20	17.40	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:30 AM	329.00	3.00	11.50	17.40	5.90	18.80	17.40	18.70	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:45 AM	301.00	4.80	11.40	17.90	6.50	18.80	17.90	18.70	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:00 AM	307.00	4.80	11.10	17.90	6.80	18.40	17.90	17.60	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:15 AM	317.00	3.10	11.70	17.10	5.40	18.10	17.10	21.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:30 AM	301.00	4.40	13.20	16.00	2.80	19.70	16.00	16.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:45 AM	306.00	4.40	12.10	15.00	2.90	18.90	15.00	16.70	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 12:00 PM	302.00	3.90	10.70	15.00	4.30	17.10	15.00	15.80	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 12:15 PM	345.00	4.00	11.80	14.50	2.70	16.20	14.50	15.70	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 12:30 PM	306.00	4.80	11.90	14.50	2.60	16.30	14.50	15.50	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 12:45 PM	334.00	3.00	12.40	14.60	2.20	16.90	14.60	15.60	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 1:00 PM	311.00	2.80	14.20	14.50	0.30	17.20	14.50	15.30	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 1:15 PM	318.00	4.80	13.50	15.20	1.70	18.20	15.20	16.10	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 1:30 PM	312.00	3.50	14.50	15.00	0.50	17.80	15.00	15.80	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 1:45 PM	305.00	3.30	13.90	14.30	0.40	17.40	14.30	16.10	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 2:00 PM	303.00	2.40	13.40	14.80	1.40	17.40	14.80	16.20	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 2:15 PM	321.00	5.30	14.60	14.70	0.10	17.50	14.70	16.70	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 2:30 PM	308.00	5.40	15.70	14.70	0.00	17.20	14.70	16.10	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 2:45 PM	305.00	3.90	14.90	14.70	0.00	16.90	14.70	16.20	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 3:00 PM	305.00	3.80	15.60	14.60	0.00	18.00	14.60	18.50	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 3:15 PM	281.00	2.10	16.60	15.50	0.00	19.40	15.50	17.10	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 3:30 PM	329.00	3.90	16.20	16.40	0.20	19.10	16.40	17.60	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 3:45 PM	267.00	3.50	17.40	19.10	1.70	19.10	16.30	17.40	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 4:00 PM	319.00	4.90	15.70	16.20	0.50	0.00	16.20	17.50	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 4:15 PM	303.00	5.70	16.40	14.70	0.00	18.90	14.70	16.80	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 4:30 PM	296.00	4.70	15.60	15.60	0.00	18.10	15.60	16.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 4:45 PM	293.00	1.90	15.00	14.40	0.00	17.70	14.40	16.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 5:00 PM	284.00	3.70	16.10	15.10	0.00	0.00	15.10	16.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 5:15 PM	310.00	3.80	16.50	15.70	0.00	17.90	15.70	16.60	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 5:30 PM	302.00	3.30	16.10	16.00	0.00	17.90	16.00	16.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 5:45 PM	273.00	3.10	16.30	17.40	1.10	17.80	17.40	17.00	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 6:00 PM	273.00	3.20	15.60	15.70	0.10	17.20	15.70	16.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 6:15 PM	252.00	2.70	16.20	17.20	1.00	17.20	16.20	16.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 6:30 PM	252.00	2.70	15.90	17.30	1.40	17.30	16.80	15.90	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 6:45 PM	257.00	3.30	15.90	18.50	2.60	18.50	17.60	15.90	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 7:00 PM	253.00	3.30	17.30	19.50	2.20	19.50	19.30	17.30	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 7:15 PM	250.00	3.30	18.40	21.30	2.90	21.30	21.40	18.40	20.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 7:30 PM	247.00	5.60	18.90	21.50	2.60	21.50	21.40	18.90	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 7:45 PM	271.00	4.10	20.70	21.70	1.00	21.30	21.70	19.50	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 8:00 PM	268.00	4.00	19.30	21.70	2.40	21.70	22.10	19.30	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 8:15 PM	259.00	3.40	19.70	20.30	0.60	20.30	22.80	19.70	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 8:30 PM	254.00	3.40	20.10	18.80	0.00	18.80	22.80	20.10	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 8:45 PM	256.00	3.60	20.10	17.30	0.00	17.30	22.10	20.10	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 9:00 PM	257.00	3.00	19.90	16.40	0.00	16.40	21.70	19.90	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 9:15 PM	262.00	2.50	19.90	16.60	0.00	16.60	21.40	19.90	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 9:30 PM	264.00	2.70	20.10	16.70	0.00	16.70	21.80	20.10	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 9:45 PM	248.00	2.70	20.20	17.70	0.00	17.70	21.90	20.20	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:00 PM	256.00	2.40	20.60	17.40	0.00	17.40	23.50	20.60	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:15 PM	257.00	2.70	20.60	17.70	0.00	17.70	24.20	20.60	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:30 PM	252.00	2.60	20.80	17.50	0.00	17.50	28.00	20.80	20.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 10:45 PM	253.00	2.50	20.80	17.10	0.00	17.10	23.70	20.80	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:00 PM	257.00	2.60	20.60	16.60	0.00	16.60	23.30	20.60	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:15 PM	258.00	2.90	20.40	17.20	0.00	17.20	22.80	20.40	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:30 PM	245.00	2.70	20.80	16.60	0.00	16.60	23.20	20.80	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/5/15 11:45 PM	255.00	2.90	20.80	17.60	0.00	17.60	22.90	20.80	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 12:00 AM	256.00	2.20	21.20	17.90	0.00	17.90	23.90	21.20	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 12:15 AM	234.00	2.00	21.30	22.70	1.40	22.70	24.50	21.30	75.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 12:30 AM	240.00	3.20	21.70	18.10	0.00	18.10	24.50	21.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 12:45 AM	247.00	2.20	22.00	18.20	0.00	18.20	23.40	22.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 1:00 AM	239.00	2.50	22.40	17.30	0.00	17.30	23.70	22.40	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 1:15 AM	262.00	2.70	21.50	17.80	0.00	17.80	23.20	21.50	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 1:30 AM	240.00	2.00	21.40	17.60	0.00	17.60	22.50	21.40	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 1:45 AM	219.00	1.60	21.70	17.90	0.00	17.90	23.10	21.70	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 2:00 AM	228.00	2.10	23.30	19.30	0.00	19.30	25.40	23.30	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 2:15 AM	226.00	2.40	24.90	20.70	0.00	20.70	26.90	24.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 2:30 AM	226.00	2.60	24.90	19.70	0.00	19.70	25.70	24.90	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 2:45 AM	205.00	1.50	25.30	19.30	0.00	19.30	26.60	25.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/6/15 3:00 AM	198.00	1.40	25.40	19.50	0.00	19.50	26.10	25.40	19.30	0.00	0.00							



**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/6/15 11:15 AM	201.00	7.00	18.90	18.90	0.00	18.90	18.30	18.90	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:30 AM	197.00	8.20	17.90	17.70	0.00	17.70	16.90	17.90	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:45 AM	201.00	8.20	17.70	17.50	0.00	17.50	16.40	17.70	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 12:00 PM	207.00	8.30	17.90	17.30	0.00	17.30	16.40	17.90	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 12:15 PM	203.00	8.40	17.60	17.50	0.00	17.50	16.40	17.60	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 12:30 PM	201.00	8.20	17.30	15.90	0.00	15.90	15.10	17.30	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 12:45 PM	188.00	7.70	17.00	16.20	0.00	16.20	15.90	17.00	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 1:00 PM	195.00	7.20	17.80	15.80	0.00	15.80	15.90	17.80	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 1:15 PM	190.00	9.50	16.90	15.40	0.00	15.40	15.10	16.90	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 1:30 PM	193.00	8.90	17.10	14.80	0.00	14.80	14.20	17.10	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 1:45 PM	185.00	6.80	16.70	15.30	0.00	15.30	14.40	16.70	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 2:00 PM	199.00	10.30	16.50	15.50	0.00	15.50	14.60	16.50	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 2:15 PM	198.00	8.00	17.20	16.70	0.00	16.70	15.40	17.20	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 2:30 PM	186.00	9.40	17.60	16.20	0.00	16.20	14.60	17.60	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 2:45 PM	186.00	9.60	17.50	16.50	0.00	16.50	14.80	17.50	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 3:00 PM	192.00	7.40	17.60	16.60	0.00	16.60	15.30	17.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 3:15 PM	183.00	8.90	17.90	17.00	0.00	17.00	15.30	17.90	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 3:30 PM	177.00	7.90	15.00	15.00	0.00	16.90	15.00	17.70	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 3:45 PM	195.00	7.60	17.10	16.70	0.00	16.70	15.20	17.10	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 4:00 PM	190.00	9.50	16.90	16.80	0.00	16.80	14.90	16.90	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 4:15 PM	205.00	6.50	16.90	16.90	0.00	16.90	15.80	16.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 4:30 PM	211.00	9.20	17.90	17.30	0.00	17.30	16.10	17.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 4:45 PM	205.00	9.50	18.20	17.60	0.00	17.60	17.90	18.20	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 5:00 PM	216.00	8.60	18.20	17.80	0.00	17.80	16.90	18.20	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 5:15 PM	200.00	9.30	18.60	17.90	0.00	17.90	18.10	18.60	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 5:30 PM	193.00	8.40	19.40	18.30	0.00	18.30	19.40	19.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 5:45 PM	202.00	9.00	19.80	18.40	0.00	18.40	20.90	19.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 6:00 PM	211.00	7.90	20.90	18.20	0.00	18.20	21.20	20.90	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 6:15 PM	200.00	7.80	26.40	17.20	0.00	17.20	21.60	26.40	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 6:30 PM	206.00	6.40	47.30	17.20	0.00	17.20	22.80	47.30	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 6:45 PM	206.00	6.20	21.50	18.50	0.00	18.50	23.70	21.50	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 7:00 PM	201.00	8.30	22.10	18.80	0.00	18.80	24.50	22.10	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 7:15 PM	200.00	6.70	24.30	19.40	0.00	19.40	25.30	24.30	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 7:30 PM	197.00	6.40	23.30	18.90	0.00	18.90	25.20	23.30	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 7:45 PM	204.00	7.70	23.50	18.10	0.00	18.10	25.70	23.50	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 8:00 PM	208.00	6.20	22.70	17.90	0.00	17.90	25.80	22.70	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 8:15 PM	206.00	7.20	22.70	18.00	0.00	18.00	25.30	22.70	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 8:30 PM	205.00	5.70	22.80	18.50	0.00	18.50	24.70	22.80	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 8:45 PM	214.00	7.30	22.10	19.20	0.00	19.20	24.90	22.10	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 9:00 PM	202.00	6.30	22.40	19.50	0.00	19.50	24.20	22.40	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 9:15 PM	207.00	6.10	22.70	20.00	0.00	20.00	24.60	22.70	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 9:30 PM	211.00	5.80	21.70	19.90	0.00	19.90	24.20	21.70	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 9:45 PM	201.00	6.30	21.90	19.20	0.00	19.20	24.60	21.90	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 10:00 PM	206.00	7.00	21.40	18.20	0.00	18.20	25.30	21.40	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 10:15 PM	203.00	6.50	21.40	18.10	0.00	18.10	24.70	21.40	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 10:30 PM	217.00	8.00	20.90	17.70	0.00	17.70	23.00	20.90	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 10:45 PM	197.00	5.10	20.50	18.10	0.00	18.10	22.70	20.50	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:00 PM	206.00	6.30	20.70	18.90	0.00	18.90	23.50	20.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:15 PM	196.00	5.60	20.90	19.30	0.00	19.30	23.80	20.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:30 PM	208.00	4.70	20.90	19.60	0.00	19.60	23.40	20.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/15 11:45 PM	204.00	5.60	20.90	19.10	0.00	19.10	23.20	20.90	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 12:00 AM	201.00	5.70	21.20	18.50	0.00	18.50	24.10	21.20	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 12:15 AM	202.00	4.80	21.00	17.40	0.00	17.40	23.80	21.00	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 12:30 AM	201.00	4.70	21.90	16.60	0.00	16.60	24.00	21.90	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 12:45 AM	201.00	4.70	21.70	16.60	0.00	16.60	23.80	21.70	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 1:00 AM	191.00	5.90	21.20	16.60	0.00	16.60	24.30	21.20	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 1:15 AM	205.00	6.00	21.50	17.60	0.00	17.60	24.30	21.50	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 1:30 AM	197.00	4.90	21.50	18.10	0.00	18.10	24.50	21.50	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 1:45 AM	203.00	5.80	22.40	19.00	0.00	19.00	24.50	22.40	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 2:00 AM	193.00	5.30	22.60	19.00	0.00	19.00	24.80	22.60	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 2:15 AM	205.00	5.90	23.00	18.90	0.00	18.90	25.10	23.00	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 2:30 AM	210.00	5.60	23.20	18.70	0.00	18.70	25.30	23.20	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 2:45 AM	211.00	4.30	23.60	17.90	0.00	17.90	26.40	23.60	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 3:00 AM	215.00	5.60	23.60	17.50	0.00	17.50	25.90	23.60	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 3:15 AM	203.00	5.30	24.30	17.70	0.00	17.70	26.60	24.30	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 3:30 AM	221.00	3.60	24.30	18.60	0.00	18.60	27.20	24.30	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 3:45 AM	211.00	4.50	24.10	19.30	0.00	19.30	27.20	24.10	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 4:00 AM	220.00	4.30	24.10	19.70	0.00	19.70	26.80	24.10	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/7/15 4:15 AM	228.00	4.20	24.10	20.10	0.00	20.10	26.30	24.10	23.90	0.00	0.00	0.				







**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )									
			Upwind		Downwind		CDF Contribution	M1	M2	M3	M4	Upwind		Downwind		CDF Contribution	M1	M2	M3	M4
			Upwind	Downwind	Upwind	Downwind														
3/8/15 2:45 PM	0.00	0.00	12.30	6.80	0.00	6.80	11.20	12.30	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 3:00 PM	0.00	0.00	11.30	6.00	0.00	6.00	9.80	11.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 3:15 PM	0.00	0.00	11.30	0.00	0.00	0.00	10.00	11.30	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 3:30 PM	0.00	0.00	11.50	6.10	0.00	6.10	10.20	11.50	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 3:45 PM	0.00	0.00	11.30	6.80	0.00	6.80	10.70	11.30	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 4:00 PM	0.00	0.00	10.90	7.30	0.00	7.30	10.30	10.90	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 4:15 PM	0.00	0.00	11.00	0.00	0.00	0.00	10.50	11.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 4:30 PM	0.00	0.00	10.60	0.00	0.00	0.00	9.70	10.60	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 4:45 PM	0.00	0.00	10.50	9.50	0.00	9.50	10.30	10.50	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 5:00 PM	0.00	0.00	10.70	10.30	0.00	10.30	10.30	10.70	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 5:15 PM	0.00	0.00	11.10	10.90	0.00	10.90	10.90	11.10	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 5:30 PM	0.00	0.00	11.20	11.00	0.00	11.00	11.10	11.20	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 5:45 PM	0.00	0.00	10.40	9.60	0.00	9.60	10.60	10.40	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 6:00 PM	0.00	0.00	9.90	8.20	0.00	8.20	8.60	9.90	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 6:15 PM	0.00	0.00	10.30	8.50	0.00	8.50	9.20	10.30	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 6:30 PM	0.00	0.00	9.50	8.40	0.00	8.40	8.80	9.50	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 6:45 PM	0.00	0.00	9.80	8.40	0.00	8.40	8.80	9.80	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 7:00 PM	0.00	0.00	10.30	9.50	0.00	9.50	9.50	10.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 7:15 PM	0.00	0.00	9.20	0.00	0.00	0.00	8.20	9.20	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 7:30 PM	0.00	0.00	9.40	9.60	0.20	9.60	8.50	9.40	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 7:45 PM	0.00	0.00	10.00	10.20	0.20	10.20	9.60	10.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 8:00 PM	0.00	0.00	10.70	10.30	0.00	10.30	10.20	10.70	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 8:15 PM	0.00	0.00	11.00	10.20	0.00	10.20	11.00	11.00	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 8:30 PM	0.00	0.00	11.70	0.00	0.00	0.00	11.80	11.70	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 8:45 PM	0.00	0.00	11.90	9.90	0.00	9.90	12.80	11.90	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 9:00 PM	0.00	0.00	13.20	10.10	0.00	10.10	14.10	13.20	14.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 9:15 PM	0.00	0.00	12.90	9.50	0.00	9.50	14.30	12.90	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 9:30 PM	0.00	0.00	13.30	9.30	0.00	9.30	14.30	13.30	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 9:45 PM	0.00	0.00	13.90	0.00	0.00	0.00	15.00	13.90	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 10:00 PM	0.00	0.00	15.10	9.50	0.00	9.50	14.90	15.10	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 10:15 PM	0.00	0.00	15.30	9.40	0.00	9.40	15.50	15.30	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 10:30 PM	0.00	0.00	15.70	0.00	0.00	0.00	16.40	15.70	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 10:45 PM	0.00	0.00	16.90	9.60	0.00	9.60	16.40	16.90	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 11:00 PM	0.00	0.00	17.50	10.50	0.00	10.50	17.70	17.50	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 11:15 PM	0.00	0.00	17.70	10.90	0.00	10.90	19.40	17.70	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 11:30 PM	0.00	0.00	18.40	11.50	0.00	11.50	20.00	18.40	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/8/15 11:45 PM	0.00	0.00	19.10	11.70	0.00	11.70	20.40	19.10	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 12:00 AM	0.00	0.00	19.20	11.80	0.00	11.80	20.80	19.20	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 12:15 AM	0.00	0.00	20.00	12.00	0.00	12.00	20.80	20.00	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 12:30 AM	0.00	0.00	20.40	12.70	0.00	12.70	21.70	20.40	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 12:45 AM	0.00	0.00	21.00	12.70	0.00	12.70	22.60	21.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 1:00 AM	0.00	0.00	21.60	14.30	0.00	14.30	22.60	21.60	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 1:15 AM	0.00	0.00	22.00	15.10	0.00	15.10	23.90	22.00	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 1:30 AM	0.00	0.00	22.90	15.60	0.00	15.60	24.20	22.90	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 1:45 AM	0.00	0.00	23.50	16.50	0.00	16.50	24.50	23.50	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 2:00 AM	0.00	0.00	28.60	17.50	0.00	17.50	27.00	28.60	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 2:15 AM	0.00	0.00	21.80	28.70	6.90	17.10	28.70	27.50	21.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 2:30 AM	0.00	0.00	27.20	17.90	0.00	17.90	28.20	27.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 2:45 AM	0.00	0.00	26.60	18.60	0.00	18.60	28.00	26.60	22.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 3:00 AM	0.00	0.00	25.70	18.10	0.00	18.10	26.80	25.70	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 3:15 AM	0.00	0.00	25.60	18.50	0.00	18.50	27.70	25.60	24.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 3:30 AM	0.00	0.00	26.30	0.00	0.00	0.00	27.50	26.30	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 3:45 AM	0.00	0.00	26.60	16.90	0.00	16.90	27.90	26.60	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 4:00 AM	0.00	0.00	25.90	16.70	0.00	16.70	27.60	25.90	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 4:15 AM	0.00	0.00	24.40	28.60	4.20	16.60	28.60	26.70	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 4:30 AM	0.00	0.00	25.00	29.90	4.90	17.90	29.90	27.20	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 4:45 AM	0.00	0.00	30.60	26.60	0.00	19.40	30.60	28.10	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/9/15 5:00 AM	0.00	0.00	28.80	20.10	0.00	20.10	31.00	28.80	26.90	0.00	0.									









**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/11/15 7:30 PM	0.00	0.00	10.00	10.00	0.00	10.00	13.90	10.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 7:45 PM	0.00	0.00	10.20	10.40	0.20	10.20	13.40	10.40	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 8:00 PM	0.00	0.00	10.70	10.60	0.00	10.70	11.90	10.60	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 8:15 PM	0.00	0.00	33.00	11.00	0.00	11.20	33.00	11.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 8:30 PM	0.00	0.00	0.00	0.00	0.00	14.70	20.40	10.50	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 8:45 PM	0.00	0.00	16.50	13.60	0.00	18.90	16.50	13.60	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 9:00 PM	0.00	0.00	14.30	20.40	6.10	17.20	20.40	15.50	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 9:15 PM	0.00	0.00	18.20	22.00	3.80	17.30	22.00	18.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 9:30 PM	0.00	0.00	17.00	17.30	0.30	17.30	17.30	17.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 9:45 PM	0.00	0.00	13.80	19.50	5.70	19.50	13.80	13.80	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 10:00 PM	0.00	0.00	13.70	13.60	0.00	14.40	13.60	13.40	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 10:15 PM	0.00	0.00	14.60	14.90	0.30	14.90	16.80	14.60	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 10:30 PM	0.00	0.00	17.10	15.90	0.00	15.90	19.40	17.10	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 10:45 PM	0.00	0.00	0.00	0.00	0.00	14.50	20.20	17.50	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 11:00 PM	0.00	0.00	0.00	0.00	0.00	15.10	21.40	16.90	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 11:15 PM	0.00	0.00	0.00	0.00	0.00	0.00	21.40	17.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 11:30 PM	0.00	0.00	0.00	0.00	0.00	15.60	23.20	19.10	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/11/15 11:45 PM	0.00	0.00	19.80	0.00	0.00	0.00	22.20	19.80	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:00 AM	0.00	0.00	23.40	15.50	0.00	13.40	23.40	17.80	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:15 AM	0.00	0.00	20.70	15.60	0.00	14.50	20.70	18.10	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:30 AM	0.00	0.00	18.10	13.90	0.00	13.90	25.50	18.10	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:45 AM	0.00	0.00	20.20	15.70	0.00	14.10	20.20	19.00	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 1:00 AM	0.00	0.00	23.20	16.00	0.00	15.20	23.20	20.60	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 1:15 AM	0.00	0.00	24.40	16.60	0.00	20.70	24.40	21.40	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 1:30 AM	0.00	0.00	16.80	20.30	3.50	16.80	23.50	20.30	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 1:45 AM	0.00	0.00	22.10	15.90	0.00	25.50	22.10	21.50	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 2:00 AM	0.00	0.00	22.70	21.20	0.00	17.90	22.70	22.90	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 2:15 AM	0.00	0.00	17.80	22.70	4.90	17.80	21.50	22.70	26.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 2:30 AM	0.00	0.00	0.00	21.70	0.00	0.00	21.50	21.70	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 2:45 AM	0.00	0.00	24.50	18.50	0.00	17.40	24.50	30.50	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 3:00 AM	0.00	0.00	23.40	11.00	0.00	11.20	23.40	18.50	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 3:15 AM	0.00	0.00	20.50	7.60	0.00	10.40	20.50	19.70	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 3:30 AM	0.00	0.00	17.20	11.90	0.00	11.90	16.20	17.20	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 3:45 AM	0.00	0.00	19.20	11.20	0.00	11.20	19.00	19.20	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 4:00 AM	0.00	0.00	34.20	0.00	0.00	0.00	36.60	34.20	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 4:15 AM	0.00	0.00	18.80	25.70	6.90	18.80	24.30	25.70	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 4:30 AM	0.00	0.00	21.50	28.30	6.80	28.30	22.80	21.50	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 4:45 AM	0.00	0.00	21.40	18.10	0.00	24.30	21.40	22.40	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 5:00 AM	0.00	0.00	23.10	19.30	0.00	23.30	23.10	23.10	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 5:15 AM	0.00	0.00	24.80	21.00	0.00	22.60	24.80	24.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 5:30 AM	0.00	0.00	25.00	23.60	0.00	26.70	25.00	25.30	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 5:45 AM	0.00	0.00	28.40	23.60	0.00	27.80	28.40	24.70	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 6:00 AM	0.00	0.00	25.40	20.70	0.00	29.50	25.40	24.60	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 6:15 AM	0.00	0.00	22.40	20.20	0.00	0.00	22.40	22.10	20.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 6:30 AM	0.00	0.00	17.30	15.60	0.00	0.00	17.30	18.60	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 6:45 AM	0.00	0.00	20.20	24.90	4.70	24.60	20.20	16.80	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 7:00 AM	0.00	0.00	15.90	13.70	0.00	17.40	15.90	17.10	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 7:15 AM	0.00	0.00	19.50	18.00	0.00	20.50	19.50	16.80	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 7:30 AM	0.00	0.00	31.50	15.30	0.00	25.20	31.50	22.80	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 7:45 AM	0.00	0.00	25.70	14.10	0.00	19.60	25.70	21.10	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 8:00 AM	0.00	0.00	19.80	15.60	0.00	22.30	19.80	17.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 8:15 AM	0.00	0.00	25.30	19.10	0.00	23.90	25.30	22.10	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 8:30 AM	0.00	0.00	35.70	19.40	0.00	22.60	35.70	23.80	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 8:45 AM	0.00	0.00	37.80	22.30	0.00	29.60	37.80	26.20	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 9:00 AM	0.00	0.00	21.60	21.50	0.00	25.60	21.60	21.40	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 9:15 AM	0.00	0.00	24.10	21.30	0.00	0.00	24.10	20.80	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 9:30 AM	0.00	0.00	24.70	18.30	0.00	0.00	24.70	20.50	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 9:45 AM	0.00	0.00	25.60	20.30	0.00	21.90	25.60	20.70	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 10:00 AM	0.00	0.00	26.10	21.50	0.00	31.40	26.10	18.40	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 10:15 AM	0.00	0.00	22.40	21.20	0.00	36.70	22.40	18.30	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 10:30 AM	0.00	0.00	23.20	16.50	0.00	25.30	23.20	17.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 10:45 AM	0.00	0.00	20.50	13.60	0.00	25.00	20.50	16.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 11:00 AM	0.00	0.00	19.90	13.70	0.00	22.30	19.90	15.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 11:15 AM	0.00	0.00	16.30	14.10	0.00	22.90	16.30	14.70	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 11:30 AM	0.00	0.00	16.90	12.60	0.00	27.30	16.90	14.60	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 11:45 AM	0.00	0.00	17.80	13.10	0.00	26.00	17.80	14.30	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:00 PM	0.00	0.00	17.50	12.90	0.00	20.10	17.50	14.40	12.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:15 PM	0.00	0.00	16.90	13.40	0.00	20.90	16.90	14.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:30 PM	0.00	0.00	16.70	13.40	0.00	20.90	16.70	14.20	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/12/15 12:45 PM	0.00	0.00	16.10</													









**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/16/15 12:45 AM	0.00	0.00	9.80	7.90	0.00	7.90	7.40	9.80	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:00 AM	0.00	0.00	9.50	7.60	0.00	7.60	6.90	9.50	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:15 AM	0.00	0.00	9.40	7.80	0.00	7.80	7.00	9.40	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:30 AM	0.00	0.00	9.20	7.80	0.00	7.80	6.80	9.20	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:45 AM	0.00	0.00	9.10	7.80	0.00	7.80	7.10	9.10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:00 AM	0.00	0.00	9.00	7.80	0.00	7.80	7.00	9.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:15 AM	0.00	0.00	8.90	7.60	0.00	7.60	6.80	8.90	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:30 AM	0.00	0.00	8.80	7.70	0.00	7.70	6.70	8.80	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:45 AM	0.00	0.00	8.80	7.60	0.00	7.60	6.80	8.80	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:00 AM	0.00	0.00	8.70	7.90	0.00	7.90	6.80	8.70	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:15 AM	0.00	0.00	8.80	8.10	0.00	8.10	6.90	8.80	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:30 AM	0.00	0.00	8.70	8.10	0.00	8.10	7.00	8.70	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:45 AM	0.00	0.00	8.50	7.90	0.00	7.90	7.40	8.50	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:00 AM	0.00	0.00	8.80	0.00	0.00	0.00	7.60	8.80	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:15 AM	0.00	0.00	8.90	8.60	0.00	8.60	7.50	8.90	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:30 AM	0.00	0.00	9.10	0.00	0.00	0.00	7.40	9.10	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:45 AM	0.00	0.00	9.30	8.70	0.00	8.70	8.30	9.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:00 AM	0.00	0.00	9.40	8.90	0.00	8.90	8.40	9.40	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:15 AM	0.00	0.00	9.50	9.10	0.00	9.10	8.60	9.50	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:30 AM	0.00	0.00	10.20	9.30	0.00	9.30	9.10	10.20	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:45 AM	0.00	0.00	10.10	9.60	0.00	9.60	10.00	10.10	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 6:00 AM	0.00	0.00	10.10	9.60	0.00	9.60	10.00	10.10	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 6:15 AM	0.00	0.00	9.90	10.40	0.50	10.40	10.60	9.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 6:30 AM	0.00	0.00	10.50	10.60	0.10	10.60	10.60	10.50	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 6:45 AM	0.00	0.00	10.70	10.60	0.00	10.60	10.60	10.70	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 7:00 AM	0.00	0.00	11.20	11.00	0.00	11.00	11.10	11.20	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 7:15 AM	0.00	0.00	11.30	11.70	0.40	11.70	11.70	11.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 7:30 AM	0.00	0.00	11.90	12.20	0.30	12.20	12.20	11.90	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 7:45 AM	0.00	0.00	12.50	12.90	0.40	12.90	12.60	12.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 8:00 AM	0.00	0.00	12.70	13.20	0.50	13.20	14.00	12.70	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 8:15 AM	0.00	0.00	13.60	13.90	0.30	13.90	14.60	13.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 8:30 AM	0.00	0.00	14.70	14.30	0.00	14.30	15.70	14.70	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 8:45 AM	0.00	0.00	15.40	16.30	0.90	16.30	18.90	15.40	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 9:00 AM	0.00	0.00	16.30	16.80	0.50	16.80	20.40	16.30	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 9:15 AM	0.00	0.00	17.50	19.00	1.50	19.00	20.50	17.50	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 9:30 AM	0.00	0.00	17.90	19.00	1.10	19.00	21.60	17.90	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 9:45 AM	0.00	0.00	17.00	19.80	2.80	19.80	20.50	17.00	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 10:00 AM	0.00	0.00	16.60	19.50	2.90	19.50	19.70	16.60	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 10:15 AM	0.00	0.00	16.60	19.10	2.50	19.10	20.80	16.60	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 10:30 AM	0.00	0.00	16.10	20.80	4.70	20.80	20.50	16.10	16.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 10:45 AM	0.00	0.00	16.00	21.10	5.10	21.10	19.70	16.00	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 11:00 AM	0.00	0.00	16.80	21.80	5.00	21.80	19.40	16.80	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 11:15 AM	0.00	0.00	15.90	23.00	7.10	23.00	18.60	15.90	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 11:30 AM	0.00	0.00	16.50	23.30	6.80	23.30	19.70	16.50	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 11:45 AM	0.00	0.00	16.70	24.70	8.00	24.70	20.10	16.70	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 12:00 PM	0.00	0.00	16.10	21.80	5.70	21.80	19.50	16.10	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 12:15 PM	0.00	0.00	16.40	22.50	6.10	22.50	21.40	16.40	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 12:30 PM	0.00	0.00	17.60	23.30	5.70	23.30	24.30	17.60	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 12:45 PM	0.00	0.00	25.10	27.10	2.00	27.10	64.20	25.10	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:00 PM	0.00	0.00	24.60	41.70	17.10	41.70	43.10	24.60	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:15 PM	0.00	0.00	29.20	28.30	0.00	28.30	46.80	29.20	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:30 PM	0.00	0.00	24.00	31.50	7.50	31.50	33.20	24.00	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 1:45 PM	0.00	0.00	22.10	27.00	4.90	27.00	23.80	22.10	21.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:00 PM	0.00	0.00	20.50	25.70	5.20	25.70	21.80	20.50	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:15 PM	0.00	0.00	19.90	25.10	5.20	25.10	20.30	19.90	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:30 PM	0.00	0.00	20.20	24.30	4.10	24.30	21.60	20.20	19.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 2:45 PM	0.00	0.00	20.40	0.00	0.00	0.00	21.60	20.40	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:00 PM	0.00	0.00	20.70	0.00	0.00	0.00	21.70	20.70	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:15 PM	0.00	0.00	20.40	23.70	3.30	23.70	20.00	20.40	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:30 PM	0.00	0.00	20.80	22.10	1.30	22.10	19.70	20.80	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 3:45 PM	0.00	0.00	20.10	21.30	1.20	21.30	19.90	20.10	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:00 PM	0.00	0.00	22.10	22.90	0.80	22.90	19.90	22.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:15 PM	0.00	0.00	23.10	27.30	4.20	27.30	23.80	23.10	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:30 PM	0.00	0.00	23.30	24.40	1.10	24.40	20.90	23.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 4:45 PM	0.00	0.00	22.50	23.00	0.50	23.00	19.60	22.50	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:00 PM	0.00	0.00	21.60	22.00	0.40	22.00	18.40	21.60	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:15 PM	0.00	0.00	21.80	21.70	0.00	21.70	18.50	21.80	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:30 PM	0.00	0.00	20.50	21.50	1.00	21.50	16.60	20.50	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 5:45 PM	0.00	0.00	20.70	19.40	0.00	19.40	16.50	20.70	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/16/15 6:00 PM	0.00	0.00	23.00	20.30	0.00	20.30	17.20	23.00	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00







**US Army Corps  
of Engineers**

Indiana Harbor and Canal  
Confined Disposal Facility  
Real-Time Air Monitoring Data  
March 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		
3/18/15 3:15 AM	234.00	1.80	18.80	24.70	5.90	24.70	24.20	18.80	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:30 AM	258.00	1.20	18.70	23.50	4.80	23.50	22.70	18.70	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:45 AM	244.00	1.40	17.80	23.60	5.80	23.60	21.70	17.80	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:00 AM	253.00	1.60	18.00	24.10	6.10	24.10	20.80	18.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:15 AM	241.00	1.30	17.50	24.30	6.80	24.30	20.00	17.50	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:30 AM	247.00	1.00	18.10	26.10	8.00	26.10	21.00	18.10	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:45 AM	257.00	1.20	19.00	26.20	7.20	26.20	21.90	19.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:00 AM	234.00	1.70	19.40	27.10	7.70	27.10	25.00	19.40	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:15 AM	244.00	1.50	20.20	23.40	3.20	23.40	26.20	20.20	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:30 AM	246.00	1.60	20.40	21.50	1.10	21.50	27.20	20.40	18.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:45 AM	259.00	1.30	20.20	21.20	1.00	21.20	26.50	20.20	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:00 AM	252.00	1.30	20.00	20.00	0.00	20.00	23.40	20.00	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:15 AM	262.00	1.70	18.90	19.10	0.20	19.10	23.30	18.90	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:30 AM	300.00	1.40	15.20	22.20	7.00	18.70	22.20	18.80	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:45 AM	274.00	2.10	14.50	21.70	7.20	18.70	21.70	18.60	14.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:00 AM	244.00	1.70	19.00	0.00	0.00	0.00	22.90	19.00	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:15 AM	244.00	1.60	19.30	21.70	2.40	21.70	21.20	19.30	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:30 AM	232.00	1.80	19.20	23.00	3.80	23.00	19.80	19.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:45 AM	240.00	1.80	21.00	21.70	0.70	21.70	19.40	21.00	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:00 AM	252.00	1.90	22.30	25.10	2.80	25.10	25.00	22.30	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:15 AM	233.00	2.20	22.00	24.90	2.90	24.90	22.70	22.00	20.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:30 AM	253.00	1.50	25.00	0.00	0.00	0.00	28.70	25.00	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:45 AM	235.00	2.80	25.30	26.70	1.40	26.70	27.70	25.30	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 9:00 AM	237.00	2.60	26.00	26.00	0.00	26.00	27.20	26.00	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 9:15 AM	243.00	2.90	27.30	25.80	0.00	25.80	31.50	27.30	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 9:30 AM	234.00	2.10	29.20	26.90	0.00	26.90	32.90	29.20	28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 9:45 AM	245.00	2.40	27.30	30.20	2.90	30.20	38.20	27.30	26.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 10:00 AM	347.00	1.50	31.30	38.20	6.90	32.70	38.20	27.00	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 10:15 AM	340.00	0.90	32.60	33.50	0.90	30.90	33.50	28.20	32.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 10:30 AM	356.00	2.20	28.60	30.60	2.00	28.80	30.60	28.10	28.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 10:45 AM	298.00	0.90	21.10	25.20	4.10	25.40	25.20	23.40	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 11:00 AM	44.00	0.80	18.80	19.20	0.40	18.80	22.80	19.20	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 11:15 AM	225.00	1.40	17.20	21.20	4.00	21.20	16.20	17.20	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 11:30 AM	286.00	2.00	13.20	13.90	0.70	17.30	13.90	14.90	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 11:45 AM	236.00	1.20	16.00	21.10	5.10	21.10	12.70	16.00	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 12:00 PM	58.00	1.70	21.70	17.90	0.00	21.70	15.70	17.90	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 12:15 PM	8.00	2.10	20.40	17.40	0.00	20.40	13.30	17.40	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 12:30 PM	26.00	2.30	15.50	15.90	0.40	15.50	11.80	15.90	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 12:45 PM	6.00	3.70	19.10	14.80	0.00	19.10	10.20	14.80	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 1:00 PM	23.00	3.20	15.80	15.00	0.00	15.80	8.40	15.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 1:15 PM	30.00	3.60	14.10	13.40	0.00	14.10	10.70	13.40	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 1:30 PM	356.00	2.30	15.70	11.30	0.00	15.40	11.30	14.20	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 1:45 PM	122.00	4.20	22.00	10.40	0.00	27.20	22.00	15.90	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 2:00 PM	57.00	3.70	16.90	17.40	0.50	16.90	15.10	17.40	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 2:15 PM	94.00	4.00	18.80	13.70	0.00	29.00	18.80	18.60	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 2:30 PM	69.00	5.10	26.20	18.80	0.00	26.20	50.20	18.80	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 2:45 PM	66.00	4.50	26.20	21.40	0.00	26.20	32.00	21.40	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:00 PM	74.00	3.70	28.10	20.70	0.00	28.10	26.80	20.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:15 PM	58.00	4.00	39.80	22.20	0.00	39.80	29.60	22.20	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:30 PM	86.00	3.50	0.00	22.00	0.00	0.00	30.20	22.00	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 3:45 PM	79.00	4.30	45.60	35.10	0.00	45.60	29.30	35.10	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:00 PM	99.00	3.80	24.70	32.00	7.30	32.40	24.70	23.40	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:15 PM	83.00	5.10	33.30	19.90	0.00	33.30	28.50	19.90	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:30 PM	76.00	4.80	29.70	20.70	0.00	29.70	25.00	20.70	23.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 4:45 PM	68.00	5.50	26.80	21.60	0.00	26.80	30.50	21.60	27.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:00 PM	76.00	3.70	30.60	21.20	0.00	30.60	19.40	21.20	26.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:15 PM	60.00	3.90	26.80	17.90	0.00	26.80	23.00	17.90	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:30 PM	95.00	2.60	24.20	19.60	0.00	25.70	24.20	19.80	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 5:45 PM	99.00	3.10	21.70	17.40	0.00	21.50	21.70	18.30	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:00 PM	79.00	3.30	20.00	20.90	0.90	20.00	26.00	20.90	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:15 PM	121.00	3.00	28.30	10.70	0.00	17.50	28.30	21.60	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:30 PM	135.00	2.50	30.90	11.30	0.00	16.90	30.90	21.80	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 6:45 PM	119.00	2.50	31.90	11.00	0.00	17.90	31.90	26.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:00 PM	127.00	2.60	37.60	11.40	0.00	16.20	37.60	19.80	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:15 PM	150.00	1.50	57.00	11.20	0.00	15.20	57.00	26.30	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:30 PM	116.00	1.80	30.80	11.60	0.00	0.00	30.80	25.20	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 7:45 PM	172.00	0.90	24.20	11.30	0.00	13.80	24.20	21.90	11.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:00 PM	164.00	0.30	27.80	11.90	0.00	13.90	27.80	24.60	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/18/15 8:15 PM	58.00	0.40	15.30	25.10	9.80	15.30	27.40	25.10	13.60	0.00								



US Army Corps  
of Engineers®

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/19/15 4:30 AM	169.00	1.50	22.80	18.30	0.00	30.70	22.80	24.40	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 4:45 AM	136.00	1.30	22.70	19.10	0.00	26.80	22.70	23.00	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:00 AM	153.00	1.50	21.50	18.00	0.00	25.20	21.50	22.10	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:15 AM	138.00	1.20	22.10	17.90	0.00	25.70	22.10	21.60	17.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:30 AM	143.00	1.50	27.70	18.00	0.00	22.10	27.70	20.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:45 AM	125.00	2.20	38.60	18.80	0.00	21.90	38.60	20.30	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:00 AM	124.00	2.50	20.00	14.80	0.00	25.40	20.00	21.10	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:15 AM	0.00	0.00	0.00	0.00	0.00	36.50	22.20	20.30	29.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:30 AM	0.00	0.00	0.00	0.00	0.00	27.90	24.10	24.50	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:45 AM	131.00	2.90	22.40	23.80	1.40	0.00	22.40	21.60	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:00 AM	89.00	2.30	33.50	29.40	0.00	33.50	22.40	29.40	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:15 AM	77.00	3.40	37.10	28.80	0.00	37.10	23.20	28.80	37.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:30 AM	66.00	4.00	54.60	28.30	0.00	54.60	42.50	28.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:45 AM	77.00	3.90	33.80	39.10	5.30	33.80	42.50	39.10	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:00 AM	77.00	4.00	27.50	35.40	7.90	27.50	37.40	35.40	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:15 AM	114.00	3.30	56.30	22.10	0.00	29.50	56.30	37.40	22.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:30 AM	112.00	3.20	37.20	22.80	0.00	26.10	37.20	38.20	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:45 AM	97.00	2.00	41.80	22.80	0.00	0.00	41.80	41.10	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:00 AM	116.00	3.60	53.50	22.30	0.00	26.70	53.50	37.90	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:15 AM	125.00	3.50	48.50	20.00	0.00	24.40	48.50	42.30	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:30 AM	106.00	5.00	46.30	23.40	0.00	27.10	46.30	39.80	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:45 AM	119.00	5.20	90.10	23.80	0.00	28.00	90.10	41.20	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 10:00 AM	119.00	6.30	52.40	22.80	0.00	31.50	52.40	44.40	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 10:15 AM	121.00	6.60	56.80	24.90	0.00	29.60	56.80	35.00	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 10:30 AM	119.00	6.30	49.90	25.70	0.00	29.90	49.90	34.30	25.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 10:45 AM	109.00	7.30	43.90	24.00	0.00	29.90	43.90	29.40	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 11:00 AM	140.00	7.10	33.70	32.30	0.00	38.00	33.70	28.60	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 11:15 AM	127.00	6.20	51.60	23.60	0.00	34.10	51.60	30.30	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 11:30 AM	122.00	6.80	25.20	23.00	0.00	31.80	25.20	29.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 11:45 AM	98.00	4.80	32.60	23.30	0.00	31.80	32.60	25.50	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 12:00 PM	132.00	6.30	34.70	23.30	0.00	30.50	34.70	30.30	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 12:15 PM	99.00	5.00	21.70	21.60	0.00	38.40	21.70	24.00	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 12:30 PM	148.00	5.60	24.00	23.60	0.00	39.20	24.00	23.30	23.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 12:45 PM	105.00	5.00	24.00	19.60	0.00	39.20	24.00	26.10	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 1:00 PM	109.00	2.90	18.70	15.70	0.00	26.40	18.70	20.90	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 1:15 PM	54.00	4.40	29.00	19.00	0.00	29.00	22.60	19.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 1:30 PM	59.00	6.50	26.30	19.40	0.00	26.30	20.70	19.40	14.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 1:45 PM	69.00	4.90	30.00	18.90	0.00	30.00	23.80	18.90	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 2:00 PM	57.00	5.00	27.50	19.00	0.00	27.50	28.00	19.00	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 2:15 PM	57.00	5.30	26.50	22.20	0.00	26.50	39.10	22.20	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 2:30 PM	44.00	4.70	27.80	23.20	0.00	27.80	31.50	23.20	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 2:45 PM	46.00	6.00	27.40	23.50	0.00	27.40	30.40	23.50	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 3:00 PM	37.00	5.90	35.40	23.40	0.00	35.40	29.90	23.40	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 3:15 PM	47.00	6.90	33.50	24.80	0.00	33.50	39.20	24.80	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 3:30 PM	47.00	7.00	35.60	27.90	0.00	35.60	35.90	27.90	30.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 3:45 PM	56.00	5.00	44.70	28.80	0.00	44.70	39.40	28.80	25.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 4:00 PM	51.00	5.00	45.10	28.30	0.00	45.10	34.80	28.30	28.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 4:15 PM	53.00	6.20	35.40	27.30	0.00	35.40	37.00	27.30	24.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 4:30 PM	51.00	5.50	39.70	39.20	0.00	39.70	59.80	39.20	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 4:45 PM	62.00	3.80	51.00	40.20	0.00	51.00	54.60	40.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:00 PM	63.00	5.20	51.70	41.30	0.00	51.70	99.30	41.30	31.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:15 PM	58.00	4.70	44.40	39.70	0.00	44.40	57.70	39.70	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:30 PM	53.00	4.80	51.30	45.00	0.00	51.30	45.70	45.00	33.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 5:45 PM	61.00	5.00	49.50	45.50	0.00	49.50	49.40	45.50	34.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:00 PM	66.00	3.80	39.90	38.30	0.00	39.90	45.10	38.30	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:15 PM	56.00	3.90	38.30	36.90	0.00	38.30	44.30	36.90	32.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:30 PM	73.00	5.00	37.80	41.30	3.50	37.80	60.90	41.30	28.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 6:45 PM	72.00	5.10	37.00	38.30	1.30	37.00	38.40	38.30	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:00 PM	81.00	4.40	51.30	35.20	0.00	51.30	37.70	35.20	35.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:15 PM	84.00	3.20	49.50	43.30	0.00	49.50	45.30	43.30	36.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:30 PM	67.00	3.20	60.60	45.30	0.00	60.60	44.10	45.30	37.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 7:45 PM	66.00	3.40	0.00	32.80	0.00	0.00	35.60	32.80	36.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:00 PM	101.00	1.70	71.40	45.40	0.00	45.80	71.40	37.90	45.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:15 PM	102.00	1.30	54.40	23.10	0.00	23.90	54.40	40.60	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:30 PM	130.00	1.70	47.20	19.30	0.00	24.20	47.20	37.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 8:45 PM	126.00	2.20	40.30	33.60	0.00	34.70	40.30	34.80	33.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:00 PM	133.00	2.30	113.60	24.40	0.00	24.80	113.60	53.50	24.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:15 PM	133.00	2.30	95.70	19.20	0.00	0.00	95.70	40.20	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/19/15 9:30 PM	132.00	2.10	68.70	20.10	0.00	23.60	68.70	33.80	20.10	0.00						



US Army Corps of Engineers®

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (ug/m <sup>3</sup> )								Naphthalene (ug/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/20/15 5:45 AM	213.00	2.00	35.50	24.10	0.00	24.10	42.30	35.50	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:00 AM	198.00	1.90	36.10	24.10	0.00	24.10	42.30	36.10	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:15 AM	190.00	1.80	36.30	24.10	0.00	24.10	44.90	36.30	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:30 AM	200.00	2.30	37.40	24.70	0.00	24.70	42.40	37.40	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:45 AM	194.00	2.10	37.20	25.20	0.00	25.20	45.90	37.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:00 AM	208.00	2.40	36.30	24.80	0.00	24.80	44.80	36.30	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:15 AM	207.00	1.90	36.60	25.20	0.00	25.20	43.90	36.60	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:30 AM	226.00	1.90	35.30	24.10	0.00	24.10	42.30	35.30	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:45 AM	235.00	2.10	35.40	24.20	0.00	24.20	37.60	35.40	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:00 AM	217.00	1.70	33.20	23.30	0.00	23.30	39.30	33.20	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:15 AM	215.00	2.00	33.10	23.30	0.00	23.30	39.00	33.10	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:30 AM	210.00	1.70	32.90	23.10	0.00	23.10	39.20	32.90	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:45 AM	223.00	1.90	33.40	23.10	0.00	23.10	39.20	33.40	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:00 AM	232.00	1.70	33.20	22.80	0.00	22.80	39.20	33.20	21.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:15 AM	229.00	2.60	33.50	22.90	0.00	22.90	38.50	33.50	22.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:30 AM	223.00	2.20	33.90	23.60	0.00	23.60	38.30	33.90	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:45 AM	213.00	3.10	33.60	23.60	0.00	23.60	39.50	33.60	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:00 AM	220.00	2.50	33.90	25.80	0.00	25.80	40.60	33.90	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:15 AM	189.00	2.80	33.60	26.50	0.00	26.50	41.30	33.60	23.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:30 AM	232.00	2.90	33.30	26.20	0.00	26.20	40.10	33.30	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:45 AM	233.00	4.00	32.70	26.60	0.00	26.60	39.20	32.70	22.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 11:00 AM	229.00	2.70	31.90	26.60	0.00	26.60	38.40	31.90	23.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 11:15 AM	209.00	3.30	31.30	26.10	0.00	26.10	37.00	31.30	23.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 11:30 AM	248.00	3.70	31.10	26.20	0.00	26.20	36.80	31.10	24.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 11:45 AM	214.00	3.40	29.40	25.60	0.00	25.60	34.20	29.40	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 12:00 PM	177.00	4.20	33.00	23.40	0.00	23.40	33.00	27.70	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 12:15 PM	236.00	3.00	27.00	24.40	0.00	24.40	30.70	27.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 12:30 PM	229.00	3.90	26.50	24.00	0.00	24.00	30.70	26.50	23.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 12:45 PM	218.00	3.10	24.80	24.10	0.00	24.10	28.60	24.80	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 1:00 PM	233.00	4.60	24.20	22.40	0.00	22.40	26.50	24.20	23.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 1:15 PM	263.00	4.20	23.20	0.00	0.00	0.00	23.70	23.20	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 1:30 PM	237.00	4.70	21.70	19.60	0.00	19.60	23.00	21.70	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 1:45 PM	232.00	4.30	20.00	18.60	0.00	18.60	21.60	20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 2:00 PM	220.00	5.00	20.00	18.60	0.00	18.60	21.60	20.00	19.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 2:15 PM	210.00	4.70	19.90	17.40	0.00	17.40	21.80	19.90	19.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 2:30 PM	200.00	4.80	20.40	17.20	0.00	17.20	21.50	20.40	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 2:45 PM	228.00	5.80	21.80	18.10	0.00	18.10	23.10	21.80	20.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 3:00 PM	226.00	5.80	23.90	20.80	0.00	20.80	26.70	23.90	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 3:15 PM	221.00	5.70	21.50	18.00	0.00	18.00	24.40	21.50	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 3:30 PM	227.00	4.80	21.50	16.90	0.00	16.90	21.10	21.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 3:45 PM	226.00	6.80	21.20	15.70	0.00	15.70	22.00	21.20	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 4:00 PM	236.00	6.10	19.90	15.90	0.00	15.90	22.30	19.90	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 4:15 PM	232.00	4.10	22.20	17.00	0.00	17.00	22.50	22.20	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 4:30 PM	229.00	5.80	20.70	14.70	0.00	14.70	21.50	20.70	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 4:45 PM	232.00	7.20	19.90	14.50	0.00	14.50	20.00	19.90	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 5:00 PM	223.00	3.70	20.80	15.50	0.00	15.50	22.40	20.80	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 5:15 PM	210.00	5.10	20.40	14.30	0.00	14.30	20.10	20.40	14.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 5:30 PM	212.00	4.20	20.00	15.00	0.00	15.00	19.90	20.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 5:45 PM	220.00	5.30	20.40	15.30	0.00	15.30	21.40	20.40	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:00 PM	216.00	6.60	24.80	16.10	0.00	16.10	19.00	24.80	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:15 PM	205.00	7.10	18.50	13.00	0.00	13.00	17.40	18.50	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:30 PM	0.00	0.00	0.00	0.00	0.00	13.10	17.20	18.70	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 6:45 PM	202.00	5.90	18.10	13.20	0.00	13.20	16.80	18.10	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:00 PM	200.00	4.40	18.50	12.80	0.00	12.80	16.70	18.50	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:15 PM	220.00	4.80	18.60	12.60	0.00	12.60	17.60	18.60	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:30 PM	220.00	4.90	19.20	12.90	0.00	12.90	18.60	19.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 7:45 PM	211.00	3.60	19.80	13.10	0.00	13.10	18.90	19.80	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:00 PM	217.00	5.60	20.00	12.80	0.00	12.80	19.20	20.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:15 PM	216.00	6.50	20.30	12.80	0.00	12.80	19.30	20.30	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:30 PM	212.00	5.90	20.70	13.20	0.00	13.20	20.20	20.70	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 8:45 PM	215.00	5.70	23.60	16.20	0.00	16.20	25.20	23.60	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:00 PM	208.00	5.70	28.20	19.70	0.00	19.70	31.10	28.20	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:15 PM	209.00	5.10	31.90	23.70	0.00	23.70	39.20	31.90	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:30 PM	206.00	4.00	35.50	23.70	0.00	23.70	41.00	35.50	23.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 9:45 PM	211.00	4.50	38.10	27.20	0.00	27.20	45.90	38.10	24.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:00 PM	222.00	5.70	39.80	27.10	0.00	27.10	46.10	39.80	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:15 PM	222.00	4.10	39.90	26.80	0.00	26.80	44.70	39.90	24.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:30 PM	216.00	5.80	39.30	26.50	0.00	26.50	43.60	39.30	24.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/20/15 10:45 PM	225.00	6.90	38.50	26.30	0.00	26.30	42.10											







**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/23/15 9:30 AM	121.00	4.10	20.00	7.40	0.00	11.90	20.00	14.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 9:45 AM	118.00	5.90	20.60	8.00	0.00	11.90	20.60	15.60	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:00 AM	104.00	4.60	23.50	10.60	0.00	18.50	23.50	17.60	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:15 AM	108.00	6.50	23.10	12.40	0.00	18.50	23.10	15.90	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:30 AM	99.00	5.70	16.30	9.20	0.00	15.30	16.30	13.20	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:45 AM	118.00	4.30	16.00	9.20	0.00	0.00	16.00	12.80	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:00 AM	73.00	5.40	20.40	15.60	0.00	20.40	24.10	15.60	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:15 AM	78.00	6.80	20.40	15.00	0.00	20.40	24.10	15.00	11.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:30 AM	82.00	5.20	12.00	13.40	0.00	0.00	19.30	13.40	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:45 AM	71.00	6.60	12.20	13.20	1.00	12.20	20.60	13.20	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 12:00 PM	81.00	6.70	12.00	16.20	4.20	12.00	31.40	16.20	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 12:15 PM	72.00	6.00	10.90	14.40	3.50	10.90	23.20	14.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 12:30 PM	104.00	5.90	25.70	9.40	0.00	11.80	25.70	16.40	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 12:45 PM	88.00	5.30	12.30	15.80	3.50	12.30	22.10	15.80	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 1:00 PM	70.00	5.00	13.10	15.00	1.90	13.10	21.40	15.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 1:15 PM	67.00	6.00	11.30	15.70	4.40	11.30	23.40	15.70	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 1:30 PM	72.00	5.40	11.30	16.50	5.20	11.30	25.10	16.50	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 1:45 PM	79.00	5.70	12.30	18.90	6.60	12.30	32.50	18.90	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 2:00 PM	71.00	5.60	12.70	17.80	5.10	12.70	24.90	17.80	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 2:15 PM	66.00	7.00	13.90	15.30	1.40	13.90	20.90	15.30	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 2:30 PM	92.00	4.00	20.40	9.10	0.00	15.00	20.40	15.40	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 2:45 PM	70.00	5.60	18.60	14.50	0.00	18.60	19.10	14.50	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 3:00 PM	52.00	5.40	17.50	15.50	0.00	17.50	20.30	15.50	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 3:15 PM	69.00	5.90	17.00	16.60	0.00	17.00	26.20	16.60	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 3:30 PM	75.00	6.50	16.00	15.00	0.00	16.00	21.70	15.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 3:45 PM	83.00	5.10	15.70	18.30	2.60	15.70	18.80	18.30	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 4:00 PM	79.00	5.40	13.70	17.10	3.40	13.70	19.80	17.10	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 4:15 PM	60.00	3.90	13.70	16.30	2.60	13.70	18.70	16.30	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 4:30 PM	62.00	4.20	15.90	16.00	0.10	15.90	18.40	16.00	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 4:45 PM	76.00	4.80	14.60	15.10	0.50	14.60	18.50	15.10	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 5:00 PM	68.00	4.90	16.20	15.50	0.00	16.20	17.20	15.50	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 5:15 PM	79.00	4.60	16.20	15.70	0.00	16.20	19.50	15.70	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 5:30 PM	72.00	4.60	18.90	19.10	0.20	18.90	21.00	19.10	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 5:45 PM	71.00	4.30	20.00	20.70	0.70	20.00	22.00	20.70	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 6:00 PM	77.00	4.40	22.00	18.80	0.00	22.00	23.10	18.80	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 6:15 PM	59.00	4.30	21.30	18.80	0.00	21.30	23.50	18.80	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 6:30 PM	71.00	5.00	21.30	19.30	0.00	21.30	24.60	19.30	19.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 6:45 PM	85.00	5.40	20.70	19.80	0.00	20.70	23.20	19.80	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 7:00 PM	84.00	4.80	17.80	19.40	1.60	17.80	25.00	19.40	20.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 7:15 PM	88.00	3.90	15.80	17.10	1.30	15.80	21.20	17.10	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 7:30 PM	127.00	2.70	17.40	15.70	0.00	15.70	17.40	17.40	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 7:45 PM	73.00	5.30	14.60	16.60	2.00	14.60	17.60	16.60	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 8:00 PM	68.00	4.80	15.40	17.30	1.90	15.40	16.30	17.30	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 8:15 PM	73.00	3.60	14.20	17.30	3.10	14.20	19.00	17.30	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 8:30 PM	71.00	5.70	15.70	18.40	2.70	15.70	19.40	18.40	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 8:45 PM	81.00	3.60	15.30	17.60	2.30	15.30	19.60	17.60	15.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 9:00 PM	74.00	6.00	15.30	16.40	1.10	15.30	16.40	16.40	15.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 9:15 PM	75.00	3.80	15.50	16.70	1.20	15.50	16.80	16.70	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 9:30 PM	78.00	5.30	15.50	18.10	2.60	15.50	20.00	18.10	16.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 9:45 PM	54.00	4.70	16.40	16.70	0.30	16.40	18.10	16.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:00 PM	73.00	5.70	15.40	16.90	1.50	15.40	17.90	16.90	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:15 PM	64.00	5.00	15.10	18.00	2.90	15.10	17.40	18.00	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:30 PM	70.00	7.40	15.00	16.10	1.10	15.00	17.50	16.10	13.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 10:45 PM	87.00	6.80	15.00	18.10	3.10	15.00	16.80	18.10	15.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:00 PM	74.00	4.20	16.10	17.80	1.70	16.10	18.30	17.80	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:15 PM	76.00	5.90	14.30	17.60	3.30	14.30	18.20	17.60	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:30 PM	73.00	4.60	14.80	18.70	3.90	14.80	23.80	18.70	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/23/15 11:45 PM	65.00	5.80	14.50	15.80	1.30	14.50	17.30	15.80	15.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 12:00 AM	110.00	2.80	20.10	12.80	0.00	14.00	20.10	19.30	12.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 12:15 AM	128.00	3.80	16.70	14.70	0.00	12.60	16.70	16.90	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 12:30 AM	100.00	2.20	23.60	10.90	0.00	0.00	23.60	17.30	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 12:45 AM	97.00	2.90	18.70	11.40	0.00	0.00	18.70	17.50	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 1:00 AM	132.00	2.70	18.00	12.00	0.00	14.50	18.00	19.50	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 1:15 AM	122.00	3.20	20.00	12.50	0.00	14.50	20.00	16.30	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 1:30 AM	130.00	3.30	17.70	10.90	0.00	13.80	17.70	15.20	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 1:45 AM	134.00	2.80	19.60	11.00	0.00	13.60	19.60	15.90	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 2:00 AM	130.00	3.00	17.20	11.10	0.00	13.60	17.20	16.20	11.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 2:15 AM	121.00	3.60	17.40	14.40	0.00	13.60	17.40	15.80	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/24/15 2:30 AM	123.00	3.00	16.20	13.30	0.00	12.90	16.20	17.40	13.30	0.00	0.00	0.00</				





**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )								Naphthalene (µg/m <sup>3</sup> )							
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4		
3/24/15 10:45 AM	69.00	4.80	18.50	25.00	6.50	18.50	29.80	25.00	13.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:00 AM	112.00	3.20	23.10	17.30	0.00	20.40	23.10	20.90	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:15 AM	123.00	4.30	23.20	21.30	0.00	20.40	23.20	19.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:30 AM	121.00	4.10	20.60	16.60	0.00	21.70	20.60	19.80	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:45 AM	74.00	4.50	19.60	19.50	0.00	19.60	29.40	19.50	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 12:00 PM	133.00	3.20	31.90	13.80	0.00	22.40	31.90	19.60	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 12:15 PM	122.00	4.10	17.30	14.40	0.00	22.40	17.30	15.50	14.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 12:30 PM	124.00	6.20	12.90	14.90	2.00	23.50	12.90	14.30	14.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 12:45 PM	125.00	4.90	25.30	13.10	0.00	19.20	25.30	16.40	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 1:00 PM	136.00	4.30	22.90	11.40	0.00	17.70	22.90	16.60	11.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 1:15 PM	127.00	4.50	13.50	11.80	0.00	17.70	13.50	13.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 1:30 PM	109.00	4.60	12.50	12.20	0.00	17.90	12.50	12.80	12.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 1:45 PM	112.00	4.00	12.40	11.80	0.00	17.30	12.40	13.20	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 2:00 PM	138.00	4.40	13.60	11.60	0.00	17.30	13.60	13.40	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 2:15 PM	73.00	4.80	17.30	13.80	0.00	17.30	13.70	13.80	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 2:30 PM	71.00	4.70	17.30	13.70	0.00	17.30	14.60	13.70	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 2:45 PM	62.00	5.10	22.20	16.70	0.00	22.20	19.70	16.70	13.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 3:00 PM	63.00	5.00	17.80	15.80	0.00	17.80	16.70	15.80	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 3:15 PM	134.00	4.10	21.60	13.10	0.00	17.80	21.60	18.00	13.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 3:30 PM	82.00	3.80	17.40	16.00	0.00	17.40	19.10	16.00	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 3:45 PM	142.00	5.60	21.20	15.30	0.00	17.40	21.20	17.00	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 4:00 PM	127.00	6.40	24.80	15.30	0.00	19.50	24.80	16.70	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 4:15 PM	119.00	6.90	23.60	14.70	0.00	16.90	23.60	19.30	14.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 4:30 PM	116.00	5.40	27.30	17.30	0.00	16.90	27.30	20.80	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 4:45 PM	105.00	6.80	19.00	16.40	0.00	0.00	19.00	17.60	16.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 5:00 PM	113.00	5.70	19.20	16.10	0.00	16.10	19.20	17.90	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 5:15 PM	136.00	4.90	19.20	17.00	0.00	15.60	19.20	17.40	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 5:30 PM	132.00	4.30	18.80	16.30	0.00	16.90	18.80	17.30	16.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 5:45 PM	127.00	3.90	22.00	16.80	0.00	16.90	22.00	17.70	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 6:00 PM	98.00	3.80	22.50	18.10	0.00	16.90	22.50	18.60	18.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 6:15 PM	112.00	3.80	22.90	17.10	0.00	16.90	22.90	18.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 6:30 PM	121.00	4.40	21.50	17.10	0.00	16.90	21.50	18.70	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 6:45 PM	125.00	4.80	24.60	18.00	0.00	0.00	24.60	18.40	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 7:00 PM	116.00	2.90	36.50	17.30	0.00	0.00	36.50	20.20	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 7:15 PM	109.00	4.00	33.80	17.50	0.00	0.00	33.80	18.00	17.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 7:30 PM	107.00	4.60	23.40	16.10	0.00	0.00	23.40	21.30	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 7:45 PM	117.00	4.00	22.20	17.10	0.00	0.00	22.20	20.10	17.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 8:00 PM	135.00	4.20	24.00	17.70	0.00	20.20	24.00	19.40	17.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 8:15 PM	121.00	5.20	20.50	18.60	0.00	19.50	20.50	19.40	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 8:30 PM	120.00	4.90	20.00	16.50	0.00	0.00	20.00	19.00	16.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 8:45 PM	127.00	4.30	25.10	14.00	0.00	0.00	25.10	18.80	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 9:00 PM	131.00	6.20	15.70	15.80	0.10	0.00	15.70	17.20	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 9:15 PM	137.00	4.70	14.80	16.60	1.80	19.10	14.80	16.90	16.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 9:30 PM	126.00	4.40	15.70	14.80	0.00	19.10	15.70	16.80	14.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 9:45 PM	119.00	4.20	16.80	15.30	0.00	19.10	16.80	17.10	15.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 10:00 PM	124.00	4.90	18.60	15.80	0.00	15.50	18.60	17.10	15.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 10:15 PM	113.00	4.70	18.40	17.60	0.00	0.00	18.40	17.70	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 10:30 PM	119.00	4.00	18.40	17.60	0.00	0.00	18.40	17.70	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 10:45 PM	117.00	4.00	18.60	16.90	0.00	18.90	18.60	17.70	16.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:00 PM	118.00	5.30	19.20	19.10	0.00	18.90	19.20	18.50	19.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:15 PM	122.00	6.10	19.70	19.30	0.00	18.90	19.70	18.70	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:30 PM	122.00	6.20	28.20	17.60	0.00	18.90	28.20	18.80	17.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/24/15 11:45 PM	123.00	5.70	20.10	21.30	1.20	22.20	20.10	18.90	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 12:00 AM	132.00	6.70	21.20	21.00	0.00	22.20	21.20	19.30	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 12:15 AM	137.00	5.80	21.20	18.70	0.00	19.10	21.20	19.60	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 12:30 AM	135.00	7.70	20.80	18.30	0.00	17.60	20.80	19.50	18.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 12:45 AM	146.00	7.80	22.80	20.90	0.00	19.40	22.80	19.90	20.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 1:00 AM	150.00	5.20	25.90	22.90	0.00	21.80	25.90	22.70	22.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 1:15 AM	151.00	5.90	27.20	22.30	0.00	26.40	27.20	23.50	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 1:30 AM	154.00	8.10	29.10	20.00	0.00	26.40	29.10	24.40	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 1:45 AM	147.00	7.10	31.20	18.80	0.00	23.00	31.20	25.90	18.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 2:00 AM	156.00	7.10	31.30	20.00	0.00	21.90	31.30	26.90	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 2:15 AM	0.00	0.00	0.00	0.00	0.00	22.00	33.20	28.40	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 2:30 AM	150.00	7.20	33.30	19.30	0.00	23.00	33.30	29.60	19.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 2:45 AM	0.00	0.00	0.00	0.00	0.00	23.00	33.50	30.10	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 3:00 AM	167.00	6.10	33.90	18.50	0.00	23.30	33.90	31.10	18.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 3:15 AM	155.00	6.10	34.80	19.00	0.00	23.30	34.80	31.40	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 3:30 AM	148.00	7.80	0.00	18.20	0.00	23.30	0.00	31.80	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3/25/15 3:45 AM	160.00	5.80	0.00	18.20	0.00	23.30	0.00	3										





US Army Corps  
of Engineers®

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/26/15 1:30 PM	15.00	2.40	8.70	10.60	1.90	8.70	11.00	10.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 1:45 PM	54.00	3.30	10.30	10.70	0.40	10.30	11.40	10.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 2:00 PM	39.00	5.90	11.40	11.70	0.30	11.40	12.20	11.70	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 2:15 PM	51.00	5.10	11.40	13.30	1.90	11.40	13.00	13.30	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 2:30 PM	23.00	3.90	0.00	12.70	0.00	0.00	11.40	12.70	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 2:45 PM	6.00	5.70	12.70	11.00	0.00	12.70	10.80	11.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 3:00 PM	18.00	4.50	13.20	10.70	0.00	13.20	9.70	10.70	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 3:15 PM	15.00	4.40	12.10	10.80	0.00	12.10	9.20	10.80	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 3:30 PM	11.00	3.70	12.00	13.00	1.00	12.00	9.30	13.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 3:45 PM	14.00	4.20	12.20	10.30	0.00	12.20	9.70	10.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 4:00 PM	28.00	5.90	12.20	9.80	0.00	12.20	9.60	9.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 4:15 PM	33.00	4.30	10.50	9.10	0.00	10.50	8.10	9.10	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 4:30 PM	40.00	5.20	11.30	9.10	0.00	11.30	10.00	9.10	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 4:45 PM	36.00	3.60	11.30	9.10	0.00	11.30	8.00	9.10	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 5:00 PM	36.00	4.70	11.60	10.80	0.00	11.60	9.30	10.80	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 5:15 PM	31.00	4.90	12.70	10.40	0.00	12.70	9.20	10.40	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 5:30 PM	43.00	3.90	12.70	10.50	0.00	12.70	8.30	10.50	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 5:45 PM	42.00	4.20	11.20	10.10	0.00	11.20	10.30	10.10	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 6:00 PM	14.00	4.60	9.30	10.70	1.40	9.30	23.10	10.70	10.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 6:15 PM	19.00	5.80	9.60	10.40	0.80	9.60	11.40	10.40	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 6:30 PM	21.00	5.40	9.20	10.60	1.40	9.20	11.40	10.60	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 6:45 PM	13.00	3.70	9.00	10.10	1.10	9.00	11.30	10.10	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 7:00 PM	24.00	5.70	8.20	12.40	4.20	8.20	8.90	12.40	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 7:15 PM	15.00	3.90	8.50	11.40	2.90	8.50	9.20	11.40	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 7:30 PM	18.00	6.40	8.40	10.70	2.30	8.40	9.50	10.70	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 7:45 PM	17.00	7.50	9.00	10.10	1.10	9.00	9.50	10.10	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 8:00 PM	30.00	7.10	0.00	10.30	0.00	0.00	9.50	10.30	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 8:15 PM	21.00	6.50	0.00	10.50	0.00	0.00	10.00	10.50	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 8:30 PM	52.00	1.80	9.40	10.30	0.90	9.40	9.70	10.30	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 8:45 PM	19.00	5.50	11.30	10.60	0.00	11.30	10.90	10.60	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 9:00 PM	5.00	6.50	8.60	10.40	1.80	8.60	9.10	10.40	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 9:15 PM	355.00	6.60	7.40	8.10	0.70	8.00	8.10	10.80	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 9:30 PM	346.00	5.10	7.70	7.90	0.20	7.70	7.90	9.60	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 9:45 PM	29.00	7.50	7.40	9.60	2.20	7.40	8.50	9.60	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 10:00 PM	13.00	11.00	7.10	9.00	1.90	7.10	7.60	9.00	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 10:15 PM	4.00	10.30	0.00	8.80	0.00	0.00	7.40	8.80	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 10:30 PM	16.00	8.60	0.00	8.70	0.00	0.00	8.00	8.70	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 10:45 PM	12.00	8.30	11.10	8.40	0.00	11.10	6.80	8.40	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 11:00 PM	6.00	8.50	11.80	9.40	0.00	11.80	8.10	9.40	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 11:15 PM	12.00	9.90	11.80	9.70	0.00	11.80	10.10	9.70	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 11:30 PM	353.00	8.50	6.30	9.40	3.10	11.60	9.40	9.40	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/26/15 11:45 PM	354.00	11.50	7.40	9.00	1.60	0.00	9.00	9.30	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 12:00 AM	352.00	8.90	6.00	9.30	3.30	0.00	9.30	9.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 12:15 AM	348.00	7.10	6.10	9.00	2.90	9.40	9.00	8.90	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 12:30 AM	358.00	11.10	6.20	8.50	2.30	8.70	8.50	9.10	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 12:45 AM	348.00	7.90	5.80	8.90	3.10	0.00	8.90	8.50	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 1:00 AM	350.00	9.80	5.60	9.20	3.60	9.40	9.20	8.20	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 1:15 AM	26.00	10.50	9.40	8.20	0.00	9.40	7.50	8.20	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 1:30 AM	19.00	9.10	10.40	0.00	0.00	10.40	7.10	0.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 1:45 AM	19.00	8.80	9.60	7.60	0.00	9.60	7.00	7.60	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 2:00 AM	21.00	6.90	9.90	7.30	0.00	9.90	6.70	7.30	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 2:15 AM	17.00	10.70	11.90	7.50	0.00	11.90	5.70	7.50	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 2:30 AM	16.00	7.80	8.50	8.60	0.10	8.50	5.90	8.60	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 2:45 AM	21.00	8.70	10.40	8.70	0.00	10.40	5.80	8.70	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 3:00 AM	33.00	7.70	7.90	8.30	0.40	7.90	6.20	8.30	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 3:15 AM	24.00	7.60	6.70	9.10	2.40	6.70	6.30	9.10	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 3:30 AM	17.00	8.90	6.30	8.20	1.90	6.30	6.90	8.20	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 3:45 AM	10.00	8.40	6.90	9.30	2.40	6.90	11.30	9.30	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 4:00 AM	18.00	9.30	6.00	9.30	3.30	6.00	8.40	9.30	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 4:15 AM	28.00	7.50	5.40	8.60	3.20	5.40	9.70	8.60	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 4:30 AM	19.00	7.60	5.40	8.70	3.30	5.40	8.60	8.70	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 4:45 AM	20.00	9.10	4.70	8.90	4.20	4.70	10.00	8.90	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 5:00 AM	15.00	10.20	4.80	10.00	5.20	4.80	11.60	10.00	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 5:15 AM	18.00	10.30	5.30	8.50	3.20	5.30	13.90	8.50	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 5:30 AM	21.00	10.40	5.80	10.30	4.50	5.80	11.10	10.30	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 5:45 AM	34.00	8.90	6.30	9.50	3.20	6.30	12.00	9.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 6:00 AM	27.00	8.40	6.30	10.20	3.90	6.30	13.70	10.20	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 6:15 AM	17.00	11.60	7.50	10.50	3.00	7.50	10.70	10.50	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 6:30 AM	7.00	10.70	6.70	11.60	4.90	6.70	13.70	11.60	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 6:45 AM	10.00	11.80	6.70	10.50	3.80	6.70	15.40	10.50	3.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/27/15 7:00 AM	7.00	12.50	6.90	10.7												





**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/28/15 4:00 PM	32.00	2.20	0.00	6.50	0.00	0.00	8.90	6.50	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 4:15 PM	40.00	3.60	8.80	8.40	0.00	8.80	18.00	8.40	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 4:30 PM	5.00	3.50	8.80	8.30	0.00	8.80	15.80	8.30	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 4:45 PM	347.00	2.60	5.80	10.40	4.60	6.80	10.40	7.40	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 5:00 PM	359.00	3.70	6.90	10.60	3.70	7.00	10.60	6.70	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 5:15 PM	20.00	3.00	0.00	7.00	0.00	0.00	14.20	7.00	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 5:30 PM	33.00	0.80	10.50	6.40	0.00	10.50	8.50	6.40	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 5:45 PM	32.00	2.00	10.10	6.20	0.00	10.10	11.90	6.20	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 6:00 PM	46.00	2.40	10.10	5.90	0.00	10.10	7.30	5.90	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 6:15 PM	70.00	3.10	7.20	5.80	0.00	7.20	11.10	5.80	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 6:30 PM	73.00	3.10	8.30	7.00	0.00	8.30	11.10	7.00	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 6:45 PM	84.00	2.10	8.30	7.00	0.00	8.30	12.50	7.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 7:00 PM	79.00	2.50	9.20	7.20	0.00	9.20	10.70	7.20	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 7:15 PM	81.00	2.50	10.40	7.70	0.00	10.40	17.50	7.70	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 7:30 PM	91.00	2.20	20.90	12.00	0.00	16.00	20.90	10.90	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 7:45 PM	114.00	3.60	13.50	13.50	0.00	0.00	13.50	9.60	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 8:00 PM	105.00	3.00	11.80	9.30	0.00	12.40	11.80	9.10	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 8:15 PM	117.00	3.50	12.20	8.30	0.00	0.00	12.20	8.80	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 8:30 PM	128.00	3.10	11.80	7.70	0.00	9.90	11.80	8.50	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 8:45 PM	137.00	3.20	11.80	7.40	0.00	9.90	11.80	9.20	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 9:00 PM	130.00	3.30	11.60	7.60	0.00	0.00	11.60	8.50	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 9:15 PM	158.00	1.90	11.80	7.20	0.00	9.90	11.80	8.70	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 9:30 PM	162.00	2.40	10.40	6.80	0.00	8.70	10.40	8.70	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 9:45 PM	155.00	1.80	11.60	6.70	0.00	8.70	11.60	9.30	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 10:00 PM	156.00	2.40	13.90	6.80	0.00	0.00	13.90	9.30	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 10:15 PM	146.00	2.80	11.20	7.10	0.00	0.00	11.20	8.60	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 10:30 PM	140.00	3.00	18.70	10.40	0.00	10.60	18.70	11.40	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 10:45 PM	143.00	2.30	16.20	10.60	0.00	0.00	16.20	10.30	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 11:00 PM	155.00	3.10	14.40	8.30	0.00	9.10	14.40	10.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 11:15 PM	155.00	2.10	17.00	9.50	0.00	11.20	17.00	11.10	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 11:30 PM	152.00	2.80	16.10	9.30	0.00	11.70	16.10	11.90	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/28/15 11:45 PM	179.00	2.20	21.40	12.60	0.00	15.30	21.40	13.50	12.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 12:00 AM	175.00	3.20	20.60	10.50	0.00	16.00	20.60	15.20	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 12:15 AM	168.00	2.90	19.50	10.80	0.00	16.00	19.50	14.20	10.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 12:30 AM	176.00	3.30	24.50	13.40	0.00	16.50	24.50	13.30	13.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 12:45 AM	182.00	2.30	13.00	20.40	7.40	20.40	19.60	13.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 1:00 AM	169.00	3.00	20.00	10.30	0.00	16.90	20.00	13.00	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 1:15 AM	168.00	3.10	19.10	10.20	0.00	17.50	19.10	13.40	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 1:30 AM	166.00	3.20	18.70	10.30	0.00	16.50	18.70	13.40	10.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 1:45 AM	164.00	3.20	16.70	9.60	0.00	15.30	16.70	12.70	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 2:00 AM	173.00	2.80	16.70	9.00	0.00	14.10	16.70	12.50	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 2:15 AM	166.00	3.40	15.90	9.00	0.00	12.90	15.90	12.90	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 2:30 AM	169.00	3.80	15.60	9.00	0.00	12.30	15.60	13.50	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 2:45 AM	175.00	3.40	17.20	8.70	0.00	12.90	17.20	13.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 3:00 AM	180.00	3.20	13.20	13.40	0.20	13.40	17.10	13.20	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 3:15 AM	174.00	4.20	16.50	9.30	0.00	13.00	16.50	13.50	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 3:30 AM	173.00	3.00	16.60	9.10	0.00	13.80	16.60	13.30	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 3:45 AM	171.00	4.50	16.60	9.80	0.00	13.90	16.60	13.50	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 4:00 AM	178.00	4.50	15.90	10.60	0.00	13.00	15.90	13.80	10.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 4:15 AM	184.00	4.30	13.70	13.10	0.00	13.10	17.00	13.70	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 4:30 AM	183.00	5.50	13.30	12.70	0.00	12.70	15.90	13.30	10.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 4:45 AM	179.00	5.90	15.20	9.40	0.00	12.20	15.20	12.90	9.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 5:00 AM	172.00	6.10	14.90	9.50	0.00	12.20	14.90	12.30	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 5:15 AM	180.00	6.00	12.00	12.80	0.80	12.80	14.50	12.00	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 5:30 AM	177.00	6.10	14.20	9.10	0.00	13.10	14.20	11.80	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 5:45 AM	178.00	5.70	13.50	9.00	0.00	0.00	13.50	11.70	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 6:00 AM	182.00	6.00	11.50	13.20	1.70	13.20	13.00	11.50	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 6:15 AM	177.00	4.20	13.00	8.80	0.00	13.70	13.00	11.30	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 6:30 AM	182.00	6.00	11.20	14.40	3.20	14.40	13.10	11.20	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 6:45 AM	183.00	6.20	11.00	14.00	3.00	14.00	13.00	11.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 7:00 AM	180.00	7.10	11.20	13.80	2.60	13.80	12.60	11.20	8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 7:15 AM	190.00	5.70	10.80	13.80	3.00	13.80	12.50	10.80	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 7:30 AM	197.00	6.40	10.80	12.80	2.00	12.80	12.40	10.80	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 7:45 AM	186.00	6.40	10.80	11.60	0.80	11.60	12.40	10.80	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 8:00 AM	191.00	8.00	10.60	11.00	0.40	11.00	12.20	10.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 8:15 AM	187.00	5.90	10.60	10.60	0.00	10.60	12.60	10.60	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 8:30 AM	191.00	6.50	10.40	10.10	0.00	10.10	12.20	10.40	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 8:45 AM	189.00	9.00	10.50	10.60	0.10	10.60	11.80	10.50	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 9:00 AM	181.00	7.70	10.10	10.80	0.70	10.80	11.40	10.10	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/29/15 9:15 AM	186.00	8.60	10.00	11.00												









**US Army Corps  
of Engineers®**

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

Reading Time (EST)	Wind Direction Degrees Clockwise from North	Wind Speed mph	Particulates (µg/m <sup>3</sup> )							Naphthalene (µg/m <sup>3</sup> )						
			Upwind	Downwind	CDF Contribution	M1	M2	M3	M4	Upwind	Downwind	CDF Contribution	M1	M2	M3	M4
3/31/15 7:45 PM	120.00	2.00	27.80	12.30	0.00	12.80	27.80	16.70	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 8:00 PM	124.00	2.40	15.20	18.60	3.40	16.70	15.20	13.30	18.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 8:15 PM	139.00	1.90	17.00	19.00	2.00	0.00	17.00	14.20	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 8:30 PM	134.00	1.90	16.60	29.80	13.20	0.00	16.60	14.00	29.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 8:45 PM	157.00	1.80	26.00	29.20	3.20	19.70	26.00	16.80	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 9:00 PM	150.00	1.80	23.70	18.70	0.00	18.30	23.70	18.00	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 9:15 PM	166.00	1.90	37.80	22.40	0.00	29.30	37.80	20.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 9:30 PM	161.00	2.40	35.50	23.30	0.00	33.30	35.50	22.80	23.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 9:45 PM	159.00	3.00	36.80	21.10	0.00	26.30	36.80	24.40	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 10:00 PM	166.00	2.50	38.50	21.10	0.00	25.00	38.50	24.40	21.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 10:15 PM	170.00	2.50	32.60	21.40	0.00	25.00	32.60	23.60	21.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 10:30 PM	183.00	2.50	21.90	22.70	0.80	22.70	29.40	21.90	19.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 10:45 PM	168.00	4.00	27.50	19.90	0.00	22.00	27.50	20.90	19.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 11:00 PM	181.00	2.40	20.40	19.20	0.00	19.20	23.80	20.40	18.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 11:15 PM	183.00	2.90	20.10	18.60	0.00	18.60	24.00	20.10	18.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 11:30 PM	170.00	3.20	23.40	17.80	0.00	18.50	23.40	19.30	17.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/31/15 11:45 PM	193.00	3.00	19.10	19.00	0.00	19.00	21.40	19.10	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00