

20161

Table B-1
Waste Management, Inc. Chambers R&B Landfill
Cumulative Impact Modeling for NO₂
Point Source Locations, Parameters, and Emission Rates

EPN	Model ID	Description	UTM-E NAD83		UTM-N NAD83		Base Elevation		Stack Height		Exit Temp.		Exit Velocity		Stack Diameter		(lb/hr)	(tpy)	(g/s)
			(meters)	(meters)	(meters)	(feet)	(meters)	(feet)	(meters)	(°F)	(°K)	(ft/sec)	(m/sec)	(feet)	(meters)				
FL1	FL1	Flare 1	276,973	3,803,524	850.10	259.1	21.0	6.4	1831.73	1273	65.6168	20.000	3.467	1.057	1.69	7.40	0.21		
FL2	FL2	Flare 2	276,160	3,803,959	825.79	251.7	35.0	10.7	1831.73	1273	65.6168	20.000	5.683	1.732	4.43	19.40	0.56		
FL3	FL3	Flare 3	276,197	3,803,510	814.86	248.4	42.0	12.8	1831.73	1273	65.6168	20.000	6.127	1.868	5.16	22.60	0.65		
ST03	ST03	Generator Engine No. 3 SN03 Scenario 2	276,789	3,803,800	898.10	273.7	80.0	24.4	897.998	754.26	152.7297	46.552	1.330	0.405	3.70	16.21	0.47		
ST04	ST04	Generator Engine No. 4 SN04	276,789	3,803,795	898.26	273.8	80.0	24.4	897.998	754.26	152.7297	46.552	1.330	0.405	3.70	16.21	0.47		
ST05	ST05	Generator Engine No. 5 SN05	276,788	3,803,790	898.36	273.8	80.0	24.4	897.998	754.26	152.7297	46.552	1.330	0.405	3.70	16.21	0.47		
ST06	ST06	Generator Engine No. 6 SN06	276,788	3,803,786	898.49	273.9	80.0	24.4	897.998	754.26	152.7297	46.552	1.330	0.405	3.70	16.21	0.47		
ST07	ST07	Leachate Concentrator LCO1	276,779	3,803,782	896.69	273.3	80.0	24.4	154.994	341.48	96.3825	29.377	2.500	0.762	9.25	40.51	1.17		
TGS22	TGS22	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	24.5	7.5	813.992	707.59	53.8255	16.406	1.083	0.330	3.26	14.30	0.41		
TGS23	TGS23	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	24.5	7.5	813.992	707.59	53.8255	16.406	1.083	0.330	3.26	14.30	0.41		
TGS19	TGS19	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	16.0	4.9	883.004	745.93	83.7008	25.512	0.689	0.210	11.42	50.04	1.44		
TGS20	TGS20	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	16.0	4.9	883.004	745.93	83.7008	25.512	0.689	0.210	11.42	50.04	1.44		
TGS21	TGS21	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	16.0	4.9	883.004	745.93	83.7008	25.512	0.689	0.210	11.42	50.04	1.44		
TGS01	TGS01	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS02	TGS02	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS03	TGS03	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS04	TGS04	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS05	TGS05	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS06	TGS06	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS07	TGS07	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS08	TGS08	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	798.008	698.71	90.8793	27.700	2.001	0.610	62.83	275.21	7.92		
TGS09	TGS09	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	22.0	6.7	876.002	742.04	90.4101	27.557	2.001	0.610	66.91	293.08	8.43		
TGS10	TGS10	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	25.0	7.6	820.004	710.93	82.2310	25.064	2.001	0.610	59.98	262.70	7.56		
TGS11	TGS11	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	25.0	7.6	820.004	710.93	82.2310	25.064	2.001	0.610	59.98	262.70	7.56		
TGS12	TGS12	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	25.0	7.6	820.004	710.93	82.2310	25.064	2.001	0.610	59.98	262.70	7.56		
TGS13	TGS13	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	25.0	7.6	820.004	710.93	82.2310	25.064	2.001	0.610	59.98	262.70	7.56		
TGS14	TGS14	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	31.3	9.5	741.002	667.04	94.3504	28.758	2.493	0.760	111.80	489.66	14.09		
TGS15	TGS15	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	31.3	9.5	741.002	667.04	94.3504	28.758	2.493	0.760	111.80	489.66	14.09		
TGS16	TGS16	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	49.5	15.1	636.998	609.26	65.4396	19.946	4.003	1.220	153.82	673.73	19.38		
TGS17	TGS17	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	32.5	9.9	872.006	739.82	137.0210	41.764	3.314	1.010	4.09	17.91	0.52		
TGS18	TGS18	Transcontinental Pipeline	303,062	3,780,788	680.81	207.5	35.0	10.7	870.008	738.71	52.7887	16.090	7.513	2.290	12.00	52.56	1.51		
SRT0	SRT0	Huber - Commerce	275,827	3,782,649	881.56	268.7	85.0	25.9	287.33	415	94.8425	28.908	5.958	1.816	90.87	398.03	11.45		
HRT0	HRT0	Huber - Commerce	275,805	3,782,662	883.89	269.4	85.0	25.9	292.73	418	45.0820	13.741	6.667	2.032	51.65	226.23	6.51		
DRTO	DRTO	Huber - Commerce	275,766	3,782,783	900.07	274.3	100.0	30.5	285.33	414	49.6457	15.132	7.001	2.134	22.87	100.15	2.88		
PRTO	PRTO	Huber - Commerce	275,828	3,782,630	879.69	268.1	85.0	25.9	276.53	409	55.0427	16.777	6.650	2.027	0.00	0.00	0.00		
SC45	SC45	Huber - Commerce	275,763	3,782,666	884.15	269.5	27.0	8.2	80.33	300	16.9685	5.172	4.091	1.247	0.00	0.00	0.00		
SC09	SC09	Huber - Commerce	275,575	3,782,784	875.56	266.9	27.0	8.2	80.33	300	17.8675	5.446	4.213	1.284	0.00	0.00	0.00		
SC67	SC67	Huber - Commerce	275,568	3,782,801	873.29	266.2	27.0	8.2	80.33	300	13.2841	4.049	4.213	1.284	0.00	0.00	0.00		
SC08	SC08	Huber - Commerce	275,770	3,782,666	884.38	269.6	27.0	8.2	80.33	300	24.2979	7.406	4.091	1.247	0.00	0.00	0.00		
FP01	FP01	Huber - Commerce	275,847	3,782,873	907.74	276.7	25.0	7.6	839.93	722	67.0374	20.433	0.666	0.203	1.94	8.48	0.24		
EG01	EG01	Huber - Commerce	275,774	3,782,637	880.45	268.4	25.0	7.6	951.53	784	111.6896	34.043	0.833	0.254	9.29	40.67	1.17		
DRY1	DRY1	Huber - Commerce	276,059	3,782,183	858.01	261.5	110.0	33.5	144.734	335.78	85.1500	25.954	3.500	1.067	3.94	17.26	0.50		

Madison 145-00015
Jackson 157-00014

Table B-1
Waste Management, Inc. Chambers R&B Landfill
Cumulative Impact Modeling for NO₂
Point Source Locations, Parameters, and Emission Rates

EPN	Model ID	Description	UTM-E		UTM-N		Base Elevation		Stack Height		Exit Temp.		Exit Velocity		Stack Diameter		(lb/hr)	(tpy)	(g/s)
			(meters)	NAD83	(meters)	NAD83	(feet)	(meters)	(feet)	(meters)	(°F)	(°K)	(ft/sec)	(m/sec)	(feet)	(meters)			
DRY2	DRY2	Huber - Commerce	276,059	3,782,183	858.01	261.5	110.0	33.5	110.0	33.5	148.73	338	74.5300	22.717	3.500	1.067	3.94	17.26	0.50
DRY3	DRY3	Huber - Commerce	276,059	3,782,183	858.01	261.5	110.0	33.5	110.0	33.5	149.738	338.56	87.7100	26.734	3.500	1.067	3.94	17.26	0.50
S08	S08	Huber - Commerce	276,059	3,782,183	858.01	261.5	111.0	33.8	111.0	33.8	101.732	311.89	52.3000	15.941	4.000	1.219	0.00	0.00	0.00
S09	S09	Huber - Commerce	276,059	3,782,183	858.01	261.5	111.0	33.8	111.0	33.8	102.236	312.17	54.8400	16.715	4.000	1.219	0.00	0.00	0.00
S10	S10	Huber - Commerce	276,059	3,782,183	858.01	261.5	111.0	33.8	111.0	33.8	99.23	310.5	51.6200	15.734	4.000	1.219	0.00	0.00	0.00
PCB	PCB	Plant Carl	285,709	3,806,324	796.62	242.8	85.0	25.9	85.0	25.9	399.992	477.59	56.3700	17.182	8.000	2.438	56.85	249.00	7.16
T01A	T01A	Santee Cooper - Rainey	336,574	3,802,074	608.79	185.6	155.0	47.2	177.728	354.11	177.728	354.11	58.5000	17.831	18.500	5.639	94.75	415.01	11.94
T01B	T01B	Santee Cooper - Rainey	336,574	3,802,031	600.66	183.1	155.0	47.2	177.728	354.11	177.728	354.11	58.5000	17.831	18.500	5.639	94.75	415.01	11.94
T02A	T02A	Santee Cooper - Rainey	336,620	3,801,886	553.41	168.7	115.0	35.1	1124.726	880.22	1124.726	880.22	145.2000	44.257	18.500	5.639	94.75	415.01	11.94
T02B	T02B	Santee Cooper - Rainey	336,620	3,801,847	556.82	169.7	115.0	35.1	1124.726	880.22	1124.726	880.22	145.2000	44.257	18.500	5.639	94.75	415.01	11.94
T003	T003	Santee Cooper - Rainey	336,766	3,802,149	636.29	193.9	75.0	22.9	972.734	795.78	972.734	795.78	147.6400	45.001	15.000	4.572	36.00	157.68	4.54
T004	T004	Santee Cooper - Rainey	336,733	3,802,149	639.83	195.0	75.0	22.9	972.734	795.78	972.734	795.78	147.6400	45.001	15.000	4.572	36.00	157.68	4.54
T005	T005	Santee Cooper - Rainey	336,700	3,802,149	640.58	195.3	75.0	22.9	972.734	795.78	972.734	795.78	147.6400	45.001	15.000	4.572	36.00	157.68	4.54
LPRT01N	LPRT01N	Louisiana-Pacific Corporation	277,869	3,769,293	782.97	238.7	125.0	38.1	265.73	403	265.73	403	66.5945	20.298	7.087	2.160	12.00	52.56	1.51
LPRT02N	LPRT02N	Louisiana-Pacific Corporation	277,880	3,769,262	781.43	238.2	125.0	38.1	271.13	406	271.13	406	66.5945	20.298	7.087	2.160	12.00	52.56	1.51
LPRT03N	LPRT03N	Louisiana-Pacific Corporation	278,018	3,769,177	774.80	236.2	125.0	38.1	244.13	391	244.13	391	62.6378	19.092	7.087	2.160	12.00	52.56	1.51

119 0025
 Franklin
 15-7-00015
 15-7-00015