CDM Smith
1715 North Westshore Blvd, Suite 875
Tampa, Florida 33607
tel: 813 281-2900
fax: 813 288-8787

Dept. of Environmental Protection
MAR 19 2012
Southwest District

March 12, 2012

Mr. John Power
Solid Waste Manager
Pasco County Solid Waste
14230 Hays Road
Spring Hill, FL 34610

Subject: West Pasco Class I Landfill-Revised NMOC Emission Rate Report
(Reporting Year 2011)
Power Plant Siting Certification No. PA87-23

Dear Mr. Power:

CDM Smith is pleased to provide you with an annual update of the non-methane organic compound (NMOC) emission estimate for the West Pasco Class I Landfill (Landfill) located at Pasco County Resource Recovery Facility in Spring Hill, Florida. In accordance with 40 CFR 60.757(b) (1), Pasco County is required to submit an annual NMOC emission estimate to Florida Department of Environmental Protection (FDEP) until the NMOC emission rate exceeds 50 Mg/Yr. The annual NMOC emission report must be based on the actual waste disposal information for the subject year and can use the site specific NMOC concentration of 36 ppmv as hexane. This report provides an annual revision to the prior NMOC emission rate obtained from the Tier II testing conducted in December 2009, and includes waste in place through December 2011.

The prior Tier II results demonstrated that the landfill did not exceed the 50 Megagram per year (Mg/yr) limit established by 40 CFR 60 Subpart WWW; exceedance of this limit would have required the installation of a gas collection and control system (GCCS). The landfill is currently exempt from installing a GCCS.

Any disposed waste that is not yet two years old in the active parts of the landfill is not subject to Tier II sampling requirements. However, landfill areas having waste in place which is two or more years old are subjected to Tier II sampling per 40 CFR 60.754(a)(3). Conservatively, the waste disposed in the landfill through December 2011 is used in this estimate.

UPDATED NMOC EMISSION ESTIMATE (Reporting Year 2011)

The waste disposal information for the landfill facility through December 2011 is provided in Table 1 of Attachment 1. Attachment 2 presents an updated NMOC emission estimate for waste in place through December 2011 and was calculated using the United States Environmental

Protection Agency (USEPA) recommended Landfill Gas Generation Emissions Model (LandGEM Version 3.02). Based on the results of the modeling, the calculated and site specific NMOC emission rate is 0.383 Mg/Yr. The emission estimate has not exceeded the 50 Mg/Yr limit established by 40 CFR 60 Subpart WWW. Hence the facility does not require an installation of a GCCS. In accordance with 40 CFR 60.754(a)(3)(iii), it will be necessary for the County to retest the site-specific NMOC concentration every five years in order to determine if the exempt status can be maintained. Since the last site specific NMOC sampling was performed in December 2009, the retesting for the site specific NMOC emissions is required by December 2014.

CDM Smith is submitting four (4) copies of the original reports to the County. Please forward one signed and sealed original to each of the two FDEP divisions listed below. If you have any questions or comments regarding this letter or the data presented herein, please call me at (404) 720-1400 or Aamod Sonawane at (813) 281-2900.

Sincerely

03/12/2012

Rajendra Vaidya, Ph.D., P.E.
Environmental Engineer
CDM Smith Inc.

Enclosures

1) Division of Air Resource Management
   Florida Department of Environmental Protection
   Southwest District Office
   13051 N. Telecom Parkway
   Temple Terrace, Florida 33637

2) Ms. Susan Pelz, P.E.
   Solid Waste Section
   Florida Department of Environmental Protection
   Southwest District Office
   13051 N. Telecom Parkway
   Temple Terrace, Florida 33637

cc: Aamod Sonawane, CDM Smith

Dept. of Environmental Protection
MAR 19 2012
Southwest District

Pasco County Utilities

West Pasco Class I Landfill
Solid Waste Cells SW-1 and SW-2
Revised NMOC Emission Rate Report
For Reporting Year 2011
Power Plant Certification No. PA87-23

14230 Hays Road
Spring Hill, Pasco County, Florida

March 2012

Prepared for:
Pasco County Utilities
7530 Little Road
New Port Richey, FL 34654

Prepared by:
CDM Smith Inc.
Certification of Authorization Number 20
1715 North Westshore Blvd., Suite 875
Tampa, Florida 33607



3/12/2012

Rajendra D. Vaidya, Ph.D., P.E.
Florida-Registered
Professional Engineer No. 70770

CDM Smith

Attachment 1

Waste Disposal Information

Table 1 Yearly Summary of Waste Disposal

Year	Waste (U.S Tons)
1997	5,417.82
1998	13,062.21
1999	20,478.07
2000	27,819.63
2001	13,859.89
2002	12,967.72
2003	70.23
2004	19,403.79
2005	52,391.86
2006	60,542.78
2007	35,290.86
2008	5,374.24
2009	1,971.99
2010	704.48
2011	1,909.76

Note: Landfilled tonnage data up to the end of 2010 along with County records was submitted in previous report (Reference 1). The waste disposal data for calendar year 2011 with County tonnage record is provided in Attachment 1.

References

1. West Pasco Class I Landfill-Revised NMOC Emission Rate Report, Power Plant Certification No. PA87-23, Dated April 29, 2011, submitted to Pasco County by CDM Smith.

PASCO COUNTY UTILITIES - SOLID WASTE
TONNAGE SUMMARY - FY 2011
Quarter Ending March 31, 2011

MATERIAL	West Pasco Class I Tonnage JANUARY	FEBRUARY	MARCH
1 Household Waste	0.00	0.00	0.00
2 Commercial Waste	0.00	0.00	0.00
3 Ash Residue **	6,763.71	6,542.47	6,453.41
4 Incinerator By-Pass Waste	0.00	0.00	0.00
5 Construction & Demolition Debris	0.00	0.00	0.00
6 Treated Biomedical Waste	0.00	0.00	0.00
7 Agricultural Waste	0.00	0.00	0.00
8 Industrial Waste	0.00	0.00	0.00
9 Yard Trash - IN	0.00	0.00	0.00
10 Sewage Sludge/Dirt	127.46	783.52	137.80
11 Industrial Sludge	0.00	0.00	0.00
12 Water/Air Treatment Sludges	0.00	0.00	0.00
13 Waste Tires - IN	0.00	0.00	0.00
13 Waste Tires - Tires Chipped	0.00	0.00	0.00
Total Tonnage Weighted IN	6,891.17	7,325.99	6,591.21
LESS: Yard Trash Stored/to WTE	0.00	0.00	0.00
Yard Trash Mulched	0.00	0.00	0.00
Yard Trash Mulched & Landscape/Cover	0.00	0.00	0.00
Yard Trash Mulched & to WTE	0.00	0.00	0.00
Waste Tires Stored/Removed	0.00	0.00	0.00
Waste Tires Moved to WTE	0.00	0.00	0.00
Tons Moved to WTE	0.00	0.00	0.00
Total Tonnage Landfilled	6,891.17	7,325.99	6,591.21
Total Tonnage Processed by WTE			
Total Tonnage Received @ Transfer Station			
ASH CELL **	6,763.71	6,542.47	6,453.41
SOLID WASTE CELL	127.46	783.52	137.80

@@ = Yard Waste is Mulched and Provided to the residents Free of Charge as "Landscaping Mulch."
** = Ash Residue is the only Material Disposed of in the Ash Landfill.

PASCO COUNTY UTILITIES - SOLID WASTE
TONNAGE SUMMARY - FY 2011
Quarter Ending June 30, 2011

MATERIAL	West Pasco Class I Tonnage APRIL	MAY	JUNE
1 Household Waste	0.00	0.00	0.00
2 Commercial Waste	0.00	0.00	0.00
3 Ash Residue **	5,201.95	8,953.86	7,263.76
4 Incinerator By-Pass Waste	0.00	0.00	0.00
5 Construction & Demolition Debris	0.00	0.00	0.00
6 Treated Biomedical Waste	0.00	0.00	0.00
7 Agricultural Waste	0.00	0.00	0.00
8 Industrial Waste	0.00	0.00	0.00
9 Yard Trash - IN	0.00	0.00	0.00
10 Sewage Sludge/Dirt	9.38	50.44	238.53
11 Industrial Sludge	0.00	0.00	0.00
12 Water/Air Treatment Sludges	0.00	0.00	0.00
13 Waste Tires - IN	0.00	0.00	0.00
13 Waste Tires - Tires Chipped	0.00	0.00	0.00
Total Tonnage Weighted IN	5,211.33	9,004.30	7,502.29
LESS: Yard Trash Stored/to WTE	0.00	0.00	0.00
Yard Trash Mulched	0.00	0.00	0.00
Yard Trash Mulched & Landscape/Cover	0.00	0.00	0.00
Yard Trash Mulched & to WTE	0.00	0.00	0.00
Waste Tires Stored/Removed	0.00	0.00	0.00
Waste Tires Moved to WTE	0.00	0.00	0.00
Tons Moved to WTE	0.00	0.00	0.00
Total Tonnage Landfilled	5,211.33	9,004.30	7,502.29
Total Tonnage Processed by WTE			
Total Tonnage Received @ Transfer Station			
**ASH CELL ** **	5,201.95	8,953.86	7,263.76
SOLID WASTE CELL	9.38	50.44	238.53

@@ = Yard Waste is Mulched and Provided to the residents Free of Charge as "Landscaping Mulch."
** = Ash Residue is the only Material Disposed of in the Ash Landfill.

PASCO COUNTY UTILITIES - SOLID WASTE
TONNAGE SUMMARY - FY 2011
Quarter Ending September 30, 2011

MATERIAL	West Pasco Class I Tonnage JULY	AUGUST	SEPTEMBER
1 Household Waste	0.00	0.00	0.00
2 Commercial Waste	0.00	0.00	0.00
3 Ash Residue **	6,671.64	7,165.84	6,748.25
4 Incinerator By-Pass Waste	0.00	0.00	0.00
5 Construction & Demolition Debris	0.00	0.00	0.00
6 Treated Biomedical Waste	0.00	0.00	0.00
7 Agricultural Waste	0.00	0.00	0.00
8 Industrial Waste	0.00	0.00	0.00
9 Yard Trash - IN	0.00	0.00	0.00
10 Sewage Sludge/Dirt	85.32	226.68	16.87
11 Industrial Sludge	0.00	0.00	0.00
12 Water/Air Treatment Sludges	0.00	0.00	0.00
13 Waste Tires - IN	0.00	0.00	0.00
13 Waste Tires - Tires Chipped	0.00	0.00	0.00
Total Tonnage Weighted IN	6,756.96	7,392.52	6,765.12
LESS: Yard Trash Stored/to WTE	0.00	0.00	0.00
Yard Trash Mulched	0.00	0.00	0.00
Yard Trash Mulched & Landscape/Cover	0.00	0.00	0.00
Yard Trash Mulched & to WTE	0.00	0.00	0.00
Waste Tires Stored/Removed	0.00	0.00	0.00
Waste Tires Moved to WTE	0.00	0.00	0.00
Tons Moved to WTE	0.00	0.00	0.00
Total Tonnage Landfilled	6,756.96	7,392.52	6,765.12
Total Tonnage Processed by WTE			
Total Tonnage Received @ Transfer Station			
ASH CELL **	6,671.64	7,165.84	6,748.25
SOLID WASTE CELL	85.32	226.68	16.87

@@ = Yard Waste is Mulched and Provided to the residents Free of Charge as "Landscaping Mulch."
** = Ash Residue is the only Material Disposed of in the Ash Landfill.

PASCO COUNTY UTILITIES - SOLID WASTE

TONNAGE SUMMARY - FY 2011

Quarter EndingDecember 30, 2011

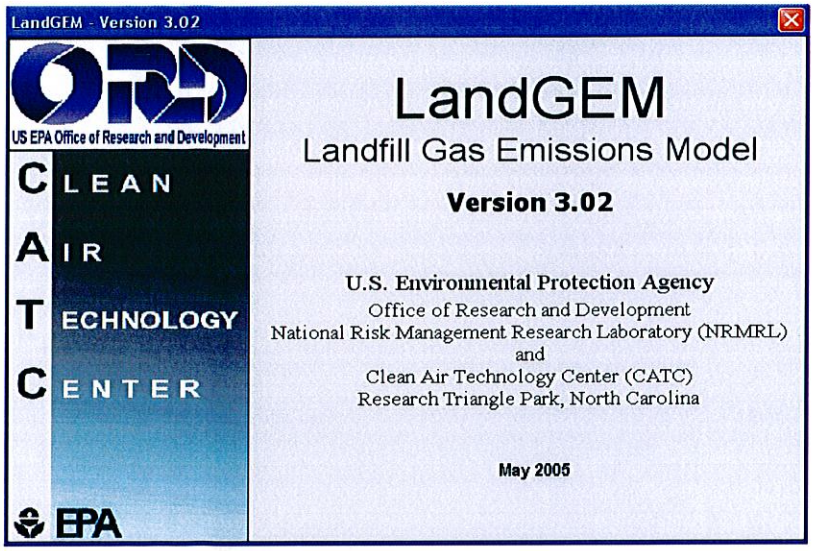
MATERIAL	West Pasco Class I Tonnage OCTOBER	NOVEMBER	DECEMBER
1 Household Waste	0.00	0.00	0.00
2 Commercial Waste	0.00	0.00	0.00
3 Ash Residue **	4,764.54	6,727.09	7,200.92
4 Incinerator By-Pass Waste	0.00	0.00	0.00
5 Construction & Demolition Debris	0.00	0.00	0.00
6 Treated Biomedical Waste	0.00	0.00	0.00
7 Agricultural Waste	0.00	0.00	0.00
8 Industrial Waste	0.00	0.00	0.00
9 Yard Trash - IN	0.00	0.00	0.00
10 Sewage Sludge/Dirt	95.71	73.89	64.16
11 Industrial Sludge	0.00	0.00	0.00
12 Water/Air Treatment Sludges	0.00	0.00	0.00
13 Waste Tires - IN	0.00	0.00	0.00
13 Waste Tires - Tires Chipped	0.00	0.00	0.00
Total Tonnage Weighted IN	4,860.25	6,800.98	7,265.08
LESS: Yard Trash Stored/to WTE	0.00	0.00	0.00
Yard Trash Mulched	0.00	0.00	0.00
Yard Trash Mulched & Landscape/Cover	0.00	0.00	0.00
Yard Trash Mulched & to WTE	0.00	0.00	0.00
Waste Tires Stored/Removed	0.00	0.00	0.00
Waste Tires Moved to WTE	0.00	0.00	0.00
Tons Moved to WTE	0.00	0.00	0.00
Total Tonnage Landfilled	4,860.25	6,800.98	7,265.08
Total Tonnage Processed by WTE			
Total Tonnage Received @ Transfer Station			
ASH CELL **	4,764.54	6,727.09	7,200.92
SOLID WASTE (	95.71	73.89	64.16

@@ = Yard Waste is Mulched and Provided to the residents Free of Charge as "Landscaping Mulch."

** = Ash Residue is the only Material Disposed of in the Ash Landfill.

Attachment 2

NMOC Emission Estimate (2011)



Summary Report

Landfill Name or Identifier: Pasco County - Spring Hill, Florida

Date: Tuesday, February 14, 2012

Description/Comments:

About LandGEM:

First-Order Decomposition Rate Equation:

$$Q_{CH_4} = \sum_{i=1}^{n} \sum_{j=0.1}^{1} kL_o \left(\frac{M_i}{10} \right) e^{-kt_{ij}}$$

Where,

Q_{CH4} = annual methane generation in the year of the calculation ($m^3/year$)
i = 1-year time increment
n = (year of the calculation) - (initial year of waste acceptance)
j = 0.1-year time increment
k = methane generation rate ($year^{-1}$)
L_o = potential methane generation capacity (m^3/Mg)
M_i = mass of waste accepted in the i^{th} year (Mg)
t_{ij} = age of the j^{th} section of waste mass M_i accepted in the i^{th} year (decimal years, e.g., 3.2 years)

LandGEM is based on a first-order decomposition rate equation for quantifying emissions from the decomposition of landfilled waste in municipal solid waste (MSW) landfills. The software provides a relatively simple approach to estimating landfill gas emissions. Model defaults are based on empirical data from U.S. landfills. Field test data can also be used in place of model defaults when available. Further guidance on EPA test methods, Clean Air Act (CAA) regulations, and other guidance regarding landfill gas emissions and control technology requirements can be found at http://www.epa.gov/ttnatw01/landfill/landflpg.html.

LandGEM is considered a screening tool — the better the input data, the better the estimates. Often, there are limitations with the available data regarding waste quantity and composition, variation in design and operating practices over time, and changes occurring over time that impact the emissions potential. Changes to landfill operation, such as operating under wet conditions through leachate recirculation or other liquid additions, will result in generating more gas at a faster rate. Defaults for estimating emissions for this type of operation are being developed to include in LandGEM along with defaults for convential landfills (no leachate or liquid additions) for developing emission inventories and determining CAA applicability. Refer to the Web site identified above for future updates.

Input Review

LANDFILL CHARACTERISTICS

Landfill Open Year	**1991**	
Landfill Closure Year (with 80-year limit)	**2012**	
Actual Closure Year (without limit)	***2012***	
Have Model Calculate Closure Year?	**No**	
Waste Design Capacity	**839,360**	*short tons*

MODEL PARAMETERS

Methane Generation Rate, k	**0.050**	$year^{-1}$
Potential Methane Generation Capacity, L_o	**170**	m^3/Mg
NMOC Concentration	**36**	*ppmv as hexane*
Methane Content	**50**	*% by volume*

GASES / POLLUTANTS SELECTED

Gas / Pollutant #1:	**Total landfill gas**
Gas / Pollutant #2:	**NMOC**
Gas / Pollutant #3:	**Methane**
Gas / Pollutant #4:	**Carbon dioxide**

WASTE ACCEPTANCE RATES

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
1991	0	0	0	0
1992	0	0	0	0
1993	0	0	0	0
1994	0	0	0	0
1995	0	0	0	0
1996	0	0	0	0
1997	4,925	5,418	0	0
1998	11,875	13,062	4,925	5,418
1999	18,616	20,478	16,800	18,480
2000	25,291	27,820	35,416	38,958
2001	12,600	13,860	60,707	66,778
2002	11,789	12,968	73,307	80,638
2003	64	70	85,096	93,605
2004	17,640	19,404	85,160	93,676
2005	47,629	52,392	102,799	113,079
2006	55,039	60,543	150,428	165,471
2007	32,083	35,291	205,467	226,014
2008	4,886	5,374	237,550	261,305
2009	1,793	1,972	242,436	266,679
2010	640	704	244,228	268,651
2011	1,736	1,910	244,869	269,356
2012	0	0	246,605	271,265
2013	0	0	246,605	271,265
2014	0	0	246,605	271,265
2015	0	0	246,605	271,265
2016	0	0	246,605	271,265
2017	0	0	246,605	271,265
2018	0	0	246,605	271,265
2019	0	0	246,605	271,265
2020	0	0	246,605	271,265
2021	0	0	246,605	271,265
2022	0	0	246,605	271,265
2023	0	0	246,605	271,265
2024	0	0	246,605	271,265
2025	0	0	246,605	271,265
2026	0	0	246,605	271,265
2027	0	0	246,605	271,265
2028	0	0	246,605	271,265
2029	0	0	246,605	271,265
2030	0	0	246,605	271,265

WASTE ACCEPTANCE RATES (Continued)

Year	Waste Accepted		Waste-In-Place	
	(Mg/year)	*(short tons/year)*	*(Mg)*	*(short tons)*
2031	0	0	246,605	271,265
2032	0	0	246,605	271,265
2033	0	0	246,605	271,265
2034	0	0	246,605	271,265
2035	0	0	246,605	271,265
2036	0	0	246,605	271,265
2037	0	0	246,605	271,265
2038	0	0	246,605	271,265
2039	0	0	246,605	271,265
2040	0	0	246,605	271,265
2041	0	0	246,605	271,265
2042	0	0	246,605	271,265
2043	0	0	246,605	271,265
2044	0	0	246,605	271,265
2045	0	0	246,605	271,265
2046	0	0	246,605	271,265
2047	0	0	246,605	271,265
2048	0	0	246,605	271,265
2049	0	0	246,605	271,265
2050	0	0	246,605	271,265
2051	0	0	246,605	271,265
2052	0	0	246,605	271,265
2053	0	0	246,605	271,265
2054	0	0	246,605	271,265
2055	0	0	246,605	271,265
2056	0	0	246,605	271,265
2057	0	0	246,605	271,265
2058	0	0	246,605	271,265
2059	0	0	246,605	271,265
2060	0	0	246,605	271,265
2061	0	0	246,605	271,265
2062	0	0	246,605	271,265
2063	0	0	246,605	271,265
2064	0	0	246,605	271,265
2065	0	0	246,605	271,265
2066	0	0	246,605	271,265
2067	0	0	246,605	271,265
2068	0	0	246,605	271,265
2069	0	0	246,605	271,265
2070	0	0	246,605	271,265

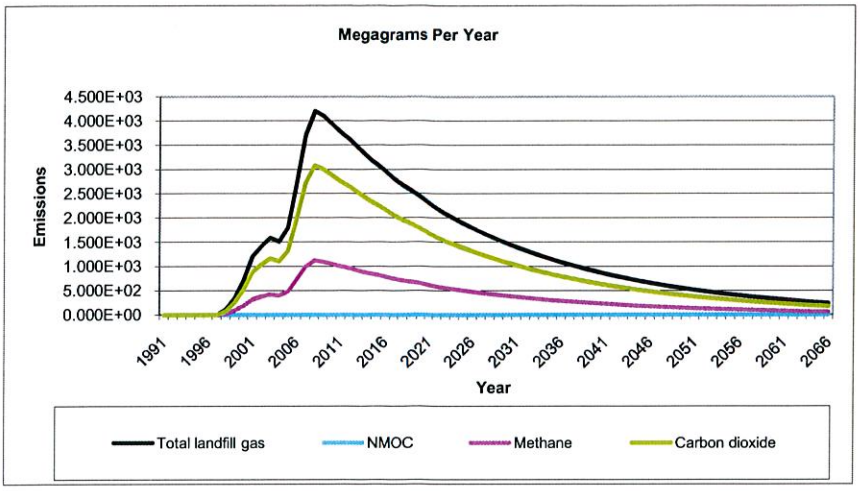
Pollutant Parameters

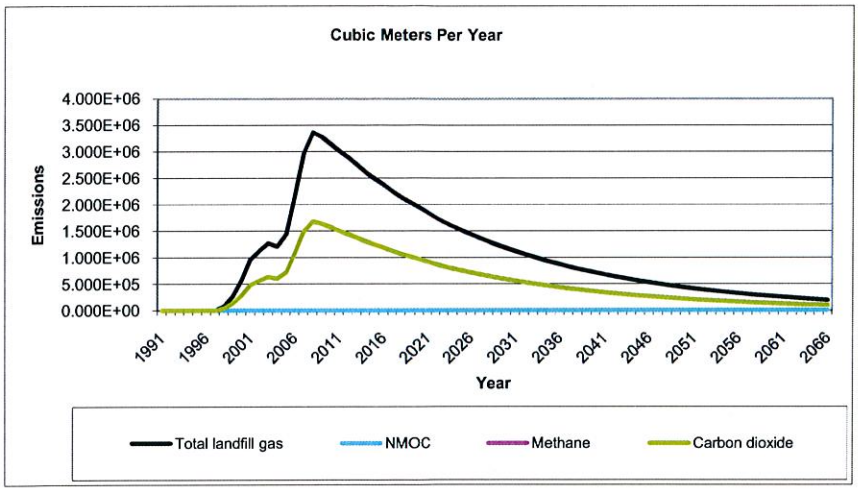
		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Gases	Total landfill gas		0.00		
	Methane		16.04		
	Carbon dioxide		44.01		
	NMOC	4,000	86.18		
Pollutants	1,1,1-Trichloroethane (methyl chloroform) - HAP	0.48	133.41		
	1,1,2,2-Tetrachloroethane - HAP/VOC	1.1	167.85		
	1,1-Dichloroethane (ethylidene dichloride) - HAP/VOC	2.4	98.97		
	1,1-Dichloroethene (vinylidene chloride) - HAP/VOC	0.20	96.94		
	1,2-Dichloroethane (ethylene dichloride) - HAP/VOC	0.41	98.96		
	1,2-Dichloropropane (propylene dichloride) - HAP/VOC	0.18	112.99		
	2-Propanol (isopropyl alcohol) - VOC	50	60.11		
	Acetone	7.0	58.08		
	Acrylonitrile - HAP/VOC	6.3	53.06		
	Benzene - No or Unknown Co-disposal - HAP/VOC	1.9	78.11		
	Benzene - Co-disposal - HAP/VOC	11	78.11		
	Bromodichloromethane - VOC	3.1	163.83		
	Butane - VOC	5.0	58.12		
	Carbon disulfide - HAP/VOC	0.58	76.13		
	Carbon monoxide	140	28.01		
	Carbon tetrachloride - HAP/VOC	4.0E-03	153.84		
	Carbonyl sulfide - HAP/VOC	0.49	60.07		
	Chlorobenzene - HAP/VOC	0.25	112.56		
	Chlorodifluoromethane	1.3	86.47		
	Chloroethane (ethyl chloride) - HAP/VOC	1.3	64.52		
	Chloroform - HAP/VOC	0.03	119.39		
	Chloromethane - VOC	1.2	50.49		
	Dichlorobenzene - (HAP for para isomer/VOC)	0.21	147		
	Dichlorodifluoromethane	16	120.91		
	Dichlorofluoromethane - VOC	2.6	102.92		
	Dichloromethane (methylene chloride) - HAP	14	84.94		
	Dimethyl sulfide (methyl sulfide) - VOC	7.8	62.13		
	Ethane	890	30.07		
	Ethanol - VOC	27	46.08		

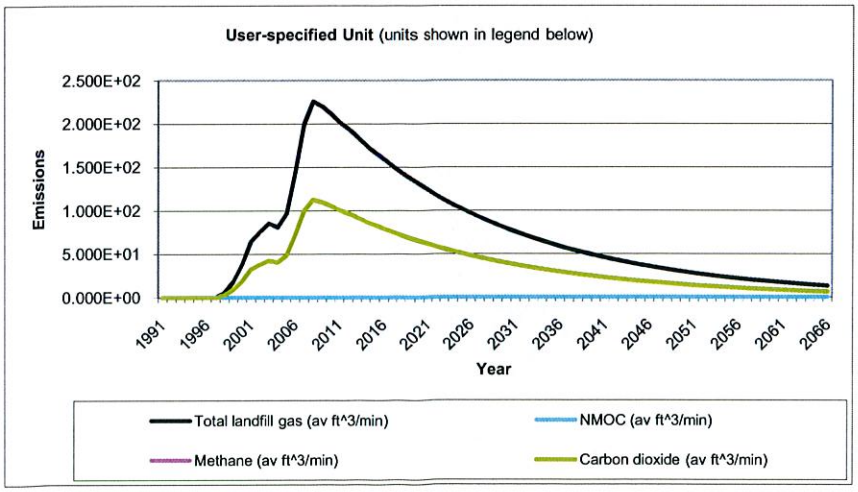
Pollutant Parameters (Continued)

		Gas / Pollutant Default Parameters:		*User-specified Pollutant Parameters:*	
	Compound	Concentration (*ppmv*)	Molecular Weight	Concentration (*ppmv*)	Molecular Weight
Pollutants	Ethyl mercaptan (ethanethiol) - VOC	2.3	62.13		
	Ethylbenzene - HAP/VOC	4.6	106.16		
	Ethylene dibromide - HAP/VOC	1.0E-03	187.88		
	Fluorotrichloromethane - VOC	0.76	137.38		
	Hexane - HAP/VOC	6.6	86.18		
	Hydrogen sulfide	36	34.08		
	Mercury (total) - HAP	2.9E-04	200.61		
	Methyl ethyl ketone - HAP/VOC	7.1	72.11		
	Methyl isobutyl ketone - HAP/VOC	1.9	100.16		
	Methyl mercaptan - VOC	2.5	48.11		
	Pentane - VOC	3.3	72.15		
	Perchloroethylene (tetrachloroethylene) - HAP	3.7	165.83		
	Propane - VOC	11	44.09		
	t-1,2-Dichloroethene - VOC	2.8	96.94		
	Toluene - No or Unknown Co-disposal - HAP/VOC	39	92.13		
	Toluene - Co-disposal - HAP/VOC	170	92.13		
	Trichloroethylene (trichloroethene) - HAP/VOC	2.8	131.40		
	Vinyl chloride - HAP/VOC	7.3	62.50		
	Xylenes - HAP/VOC	12	106.16		

Graphs


Megagrams Per Year
Emissions
4.500E+03
4.000E+03
3.500E+03
3.000E+03
2.500E+03
2.000E+03
1.500E+03
1.000E+03
5.000E+02
0.000E+00
1991 1996 2001 2006 2011 2016 2021 2026 2031 2036 2041 2046 2051 2056 2061 2066
Year
Total landfill gas
NMOC
Methane
Carbon dioxide


Cubic Meters Per Year
Emissions
4.000E+06
3.500E+06
3.000E+06
2.500E+06
2.000E+06
1.500E+06
1.000E+06
5.000E+05
0.000E+00
1991 1996 2001 2006 2011 2016 2021 2026 2031 2036 2041 2046 2051 2056 2061 2066
Year
Total landfill gas
NMOC
Methane
Carbon dioxide


User-specified Unit (units shown in legend below)
Emissions
2.500E+02
2.000E+02
1.500E+02
1.000E+02
5.000E+01
0.000E+00
1991 1996 2001 2006 2011 2016 2021 2026 2031 2036 2041 2046 2051 2056 2061 2066
Year
Total landfill gas (av ft^3/min)
NMOC (av ft^3/min)
Methane (av ft^3/min)
Carbon dioxide (av ft^3/min)

Results

Year	Total landfill gas			NMOC		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
1991	0	0	0	0	0	0
1992	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1993	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1994	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1995	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1996	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1997	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1998	1.022E+02	8.188E+04	5.501E+00	1.045E-02	2.915E+00	1.958E-04
1999	3.438E+02	2.753E+05	1.850E+01	3.513E-02	9.800E+00	6.585E-04
2000	7.135E+02	5.713E+05	3.839E+01	7.291E-02	2.034E+01	1.367E-03
2001	1.204E+03	9.639E+05	6.476E+01	1.230E-01	3.431E+01	2.306E-03
2002	1.407E+03	1.126E+06	7.568E+01	1.437E-01	4.010E+01	2.694E-03
2003	1.583E+03	1.267E+06	8.515E+01	1.617E-01	4.512E+01	3.031E-03
2004	1.507E+03	1.207E+06	8.107E+01	1.540E-01	4.296E+01	2.886E-03
2005	1.800E+03	1.441E+06	9.682E+01	1.839E-01	5.130E+01	3.447E-03
2006	2.701E+03	2.162E+06	1.453E+02	2.759E-01	7.698E+01	5.173E-03
2007	3.711E+03	2.972E+06	1.997E+02	3.792E-01	1.058E+02	7.109E-03
2008	4.196E+03	3.360E+06	2.258E+02	4.288E-01	1.196E+02	8.038E-03
2009	4.093E+03	3.278E+06	2.202E+02	4.183E-01	1.167E+02	7.840E-03
2010	3.931E+03	3.148E+06	2.115E+02	4.017E-01	1.121E+02	7.529E-03
2011	3.752E+03	3.005E+06	2.019E+02	3.834E-01	1.070E+02	7.187E-03
2012	3.605E+03	2.887E+06	1.940E+02	3.684E-01	1.028E+02	6.906E-03
2013	3.430E+03	2.746E+06	1.845E+02	3.504E-01	9.777E+01	6.569E-03
2014	3.262E+03	2.612E+06	1.755E+02	3.334E-01	9.300E+01	6.249E-03
2015	3.103E+03	2.485E+06	1.670E+02	3.171E-01	8.846E+01	5.944E-03
2016	2.952E+03	2.364E+06	1.588E+02	3.016E-01	8.415E+01	5.654E-03
2017	2.808E+03	2.248E+06	1.511E+02	2.869E-01	8.004E+01	5.378E-03
2018	2.671E+03	2.139E+06	1.437E+02	2.729E-01	7.614E+01	5.116E-03
2019	2.541E+03	2.034E+06	1.367E+02	2.596E-01	7.243E+01	4.866E-03
2020	2.417E+03	1.935E+06	1.300E+02	2.470E-01	6.890E+01	4.629E-03
2021	2.299E+03	1.841E+06	1.237E+02	2.349E-01	6.554E+01	4.403E-03
2022	2.187E+03	1.751E+06	1.177E+02	2.235E-01	6.234E+01	4.189E-03
2023	2.080E+03	1.666E+06	1.119E+02	2.126E-01	5.930E+01	3.984E-03
2024	1.979E+03	1.584E+06	1.065E+02	2.022E-01	5.641E+01	3.790E-03
2025	1.882E+03	1.507E+06	1.013E+02	1.923E-01	5.366E+01	3.605E-03
2026	1.790E+03	1.434E+06	9.633E+01	1.829E-01	5.104E+01	3.429E-03
2027	1.703E+03	1.364E+06	9.163E+01	1.740E-01	4.855E+01	3.262E-03
2028	1.620E+03	1.297E+06	8.716E+01	1.655E-01	4.618E+01	3.103E-03
2029	1.541E+03	1.234E+06	8.291E+01	1.575E-01	4.393E+01	2.952E-03
2030	1.466E+03	1.174E+06	7.887E+01	1.498E-01	4.179E+01	2.808E-03
2031	1.394E+03	1.117E+06	7.502E+01	1.425E-01	3.975E+01	2.671E-03
2032	1.326E+03	1.062E+06	7.136E+01	1.355E-01	3.781E+01	2.540E-03
2033	1.262E+03	1.010E+06	6.788E+01	1.289E-01	3.597E+01	2.417E-03
2034	1.200E+03	9.610E+05	6.457E+01	1.226E-01	3.421E+01	2.299E-03
2035	1.142E+03	9.142E+05	6.142E+01	1.167E-01	3.254E+01	2.187E-03
2036	1.086E+03	8.696E+05	5.843E+01	1.110E-01	3.096E+01	2.080E-03
2037	1.033E+03	8.272E+05	5.558E+01	1.056E-01	2.945E+01	1.979E-03
2038	9.826E+02	7.868E+05	5.287E+01	1.004E-01	2.801E+01	1.882E-03
2039	9.347E+02	7.484E+05	5.029E+01	9.551E-02	2.664E+01	1.790E-03
2040	8.891E+02	7.119E+05	4.784E+01	9.085E-02	2.535E+01	1.703E-03

Results (Continued)

Year	Total landfill gas			NMOC		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
2041	8.457E+02	6.772E+05	4.550E+01	8.642E-02	2.411E+01	1.620E-03
2042	8.045E+02	6.442E+05	4.328E+01	8.220E-02	2.293E+01	1.541E-03
2043	7.652E+02	6.128E+05	4.117E+01	7.819E-02	2.181E+01	1.466E-03
2044	7.279E+02	5.829E+05	3.916E+01	7.438E-02	2.075E+01	1.394E-03
2045	6.924E+02	5.545E+05	3.725E+01	7.075E-02	1.974E+01	1.326E-03
2046	6.587E+02	5.274E+05	3.544E+01	6.730E-02	1.878E+01	1.262E-03
2047	6.265E+02	5.017E+05	3.371E+01	6.402E-02	1.786E+01	1.200E-03
2048	5.960E+02	4.772E+05	3.206E+01	6.090E-02	1.699E+01	1.142E-03
2049	5.669E+02	4.540E+05	3.050E+01	5.793E-02	1.616E+01	1.086E-03
2050	5.393E+02	4.318E+05	2.901E+01	5.510E-02	1.537E+01	1.033E-03
2051	5.130E+02	4.108E+05	2.760E+01	5.242E-02	1.462E+01	9.825E-04
2052	4.879E+02	3.907E+05	2.625E+01	4.986E-02	1.391E+01	9.346E-04
2053	4.641E+02	3.717E+05	2.497E+01	4.743E-02	1.323E+01	8.890E-04
2054	4.415E+02	3.535E+05	2.375E+01	4.511E-02	1.259E+01	8.457E-04
2055	4.200E+02	3.363E+05	2.260E+01	4.291E-02	1.197E+01	8.044E-04
2056	3.995E+02	3.199E+05	2.149E+01	4.082E-02	1.139E+01	7.652E-04
2057	3.800E+02	3.043E+05	2.045E+01	3.883E-02	1.083E+01	7.279E-04
2058	3.615E+02	2.895E+05	1.945E+01	3.694E-02	1.030E+01	6.924E-04
2059	3.438E+02	2.753E+05	1.850E+01	3.513E-02	9.802E+00	6.586E-04
2060	3.271E+02	2.619E+05	1.760E+01	3.342E-02	9.324E+00	6.265E-04
2061	3.111E+02	2.491E+05	1.674E+01	3.179E-02	8.869E+00	5.959E-04
2062	2.960E+02	2.370E+05	1.592E+01	3.024E-02	8.437E+00	5.669E-04
2063	2.815E+02	2.254E+05	1.515E+01	2.877E-02	8.025E+00	5.392E-04
2064	2.678E+02	2.144E+05	1.441E+01	2.736E-02	7.634E+00	5.129E-04
2065	2.547E+02	2.040E+05	1.371E+01	2.603E-02	7.262E+00	4.879E-04
2066	2.423E+02	1.940E+05	1.304E+01	2.476E-02	6.907E+00	4.641E-04
2067	2.305E+02	1.846E+05	1.240E+01	2.355E-02	6.570E+00	4.415E-04
2068	2.192E+02	1.756E+05	1.180E+01	2.240E-02	6.250E+00	4.199E-04
2069	2.086E+02	1.670E+05	1.122E+01	2.131E-02	5.945E+00	3.995E-04
2070	1.984E+02	1.589E+05	1.067E+01	2.027E-02	5.655E+00	3.800E-04
2071	1.887E+02	1.511E+05	1.015E+01	1.928E-02	5.379E+00	3.614E-04
2072	1.795E+02	1.437E+05	9.658E+00	1.834E-02	5.117E+00	3.438E-04
2073	1.707E+02	1.367E+05	9.187E+00	1.745E-02	4.868E+00	3.270E-04
2074	1.624E+02	1.301E+05	8.739E+00	1.660E-02	4.630E+00	3.111E-04
2075	1.545E+02	1.237E+05	8.313E+00	1.579E-02	4.404E+00	2.959E-04
2076	1.470E+02	1.177E+05	7.907E+00	1.502E-02	4.190E+00	2.815E-04
2077	1.398E+02	1.119E+05	7.521E+00	1.428E-02	3.985E+00	2.678E-04
2078	1.330E+02	1.065E+05	7.155E+00	1.359E-02	3.791E+00	2.547E-04
2079	1.265E+02	1.013E+05	6.806E+00	1.293E-02	3.606E+00	2.423E-04
2080	1.203E+02	9.635E+04	6.474E+00	1.230E-02	3.430E+00	2.305E-04
2081	1.145E+02	9.165E+04	6.158E+00	1.170E-02	3.263E+00	2.192E-04
2082	1.089E+02	8.718E+04	5.858E+00	1.113E-02	3.104E+00	2.085E-04
2083	1.036E+02	8.293E+04	5.572E+00	1.058E-02	2.952E+00	1.984E-04
2084	9.851E+01	7.889E+04	5.300E+00	1.007E-02	2.808E+00	1.887E-04
2085	9.371E+01	7.504E+04	5.042E+00	9.575E-03	2.671E+00	1.795E-04
2086	8.914E+01	7.138E+04	4.796E+00	9.108E-03	2.541E+00	1.707E-04
2087	8.479E+01	6.790E+04	4.562E+00	8.664E-03	2.417E+00	1.624E-04
2088	8.066E+01	6.459E+04	4.340E+00	8.242E-03	2.299E+00	1.545E-04
2089	7.672E+01	6.144E+04	4.128E+00	7.840E-03	2.187E+00	1.470E-04
2090	7.298E+01	5.844E+04	3.927E+00	7.457E-03	2.080E+00	1.398E-04
2091	6.942E+01	5.559E+04	3.735E+00	7.094E-03	1.979E+00	1.330E-04

Results (Continued)

Year	Total landfill gas			NMOC		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
2092	6.604E+01	5.288E+04	3.553E+00	6.748E-03	1.882E+00	1.265E-04
2093	6.282E+01	5.030E+04	3.380E+00	6.419E-03	1.791E+00	1.203E-04
2094	5.975E+01	4.785E+04	3.215E+00	6.106E-03	1.703E+00	1.144E-04
2095	5.684E+01	4.551E+04	3.058E+00	5.808E-03	1.620E+00	1.089E-04
2096	5.407E+01	4.329E+04	2.909E+00	5.525E-03	1.541E+00	1.036E-04
2097	5.143E+01	4.118E+04	2.767E+00	5.255E-03	1.466E+00	9.851E-05
2098	4.892E+01	3.917E+04	2.632E+00	4.999E-03	1.395E+00	9.370E-05
2099	4.653E+01	3.726E+04	2.504E+00	4.755E-03	1.327E+00	8.913E-05
2100	4.427E+01	3.545E+04	2.382E+00	4.523E-03	1.262E+00	8.478E-05
2101	4.211E+01	3.372E+04	2.265E+00	4.303E-03	1.200E+00	8.065E-05
2102	4.005E+01	3.207E+04	2.155E+00	4.093E-03	1.142E+00	7.672E-05
2103	3.810E+01	3.051E+04	2.050E+00	3.893E-03	1.086E+00	7.297E-05
2104	3.624E+01	2.902E+04	1.950E+00	3.703E-03	1.033E+00	6.942E-05
2105	3.447E+01	2.761E+04	1.855E+00	3.523E-03	9.827E-01	6.603E-05
2106	3.279E+01	2.626E+04	1.764E+00	3.351E-03	9.348E-01	6.281E-05
2107	3.119E+01	2.498E+04	1.678E+00	3.187E-03	8.892E-01	5.975E-05
2108	2.967E+01	2.376E+04	1.596E+00	3.032E-03	8.459E-01	5.683E-05
2109	2.822E+01	2.260E+04	1.519E+00	2.884E-03	8.046E-01	5.406E-05
2110	2.685E+01	2.150E+04	1.445E+00	2.743E-03	7.654E-01	5.142E-05
2111	2.554E+01	2.045E+04	1.374E+00	2.610E-03	7.280E-01	4.892E-05
2112	2.429E+01	1.945E+04	1.307E+00	2.482E-03	6.925E-01	4.653E-05
2113	2.311E+01	1.850E+04	1.243E+00	2.361E-03	6.587E-01	4.426E-05
2114	2.198E+01	1.760E+04	1.183E+00	2.246E-03	6.266E-01	4.210E-05
2115	2.091E+01	1.674E+04	1.125E+00	2.137E-03	5.961E-01	4.005E-05
2116	1.989E+01	1.593E+04	1.070E+00	2.032E-03	5.670E-01	3.810E-05
2117	1.892E+01	1.515E+04	1.018E+00	1.933E-03	5.393E-01	3.624E-05
2118	1.800E+01	1.441E+04	9.683E-01	1.839E-03	5.130E-01	3.447E-05
2119	1.712E+01	1.371E+04	9.211E-01	1.749E-03	4.880E-01	3.279E-05
2120	1.628E+01	1.304E+04	8.761E-01	1.664E-03	4.642E-01	3.119E-05
2121	1.549E+01	1.240E+04	8.334E-01	1.583E-03	4.416E-01	2.967E-05
2122	1.473E+01	1.180E+04	7.928E-01	1.506E-03	4.200E-01	2.822E-05
2123	1.402E+01	1.122E+04	7.541E-01	1.432E-03	3.996E-01	2.685E-05
2124	1.333E+01	1.068E+04	7.173E-01	1.362E-03	3.801E-01	2.554E-05
2125	1.268E+01	1.016E+04	6.823E-01	1.296E-03	3.615E-01	2.429E-05
2126	1.206E+01	9.660E+03	6.491E-01	1.233E-03	3.439E-01	2.311E-05
2127	1.148E+01	9.189E+03	6.174E-01	1.173E-03	3.271E-01	2.198E-05
2128	1.092E+01	8.741E+03	5.873E-01	1.115E-03	3.112E-01	2.091E-05
2129	1.038E+01	8.314E+03	5.586E-01	1.061E-03	2.960E-01	1.989E-05
2130	9.877E+00	7.909E+03	5.314E-01	1.009E-03	2.816E-01	1.892E-05
2131	9.395E+00	7.523E+03	5.055E-01	9.600E-04	2.678E-01	1.800E-05

Results (Continued)

Year	Methane			Carbon dioxide		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
1991	0	0	0	0	0	0
1992	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1993	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1994	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1995	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1996	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1997	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1998	2.731E+01	4.094E+04	2.751E+00	7.494E+01	4.094E+04	2.751E+00
1999	9.183E+01	1.376E+05	9.248E+00	2.520E+02	1.376E+05	9.248E+00
2000	1.906E+02	2.857E+05	1.919E+01	5.229E+02	2.857E+05	1.919E+01
2001	3.215E+02	4.819E+05	3.238E+01	8.822E+02	4.819E+05	3.238E+01
2002	3.757E+02	5.632E+05	3.784E+01	1.031E+03	5.632E+05	3.784E+01
2003	4.228E+02	6.337E+05	4.258E+01	1.160E+03	6.337E+05	4.258E+01
2004	4.025E+02	6.033E+05	4.054E+01	1.104E+03	6.033E+05	4.054E+01
2005	4.807E+02	7.205E+05	4.841E+01	1.319E+03	7.205E+05	4.841E+01
2006	7.213E+02	1.081E+06	7.265E+01	1.979E+03	1.081E+06	7.265E+01
2007	9.914E+02	1.486E+06	9.984E+01	2.720E+03	1.486E+06	9.984E+01
2008	1.121E+03	1.680E+06	1.129E+02	3.076E+03	1.680E+06	1.129E+02
2009	1.093E+03	1.639E+06	1.101E+02	3.000E+03	1.639E+06	1.101E+02
2010	1.050E+03	1.574E+06	1.057E+02	2.881E+03	1.574E+06	1.057E+02
2011	1.002E+03	1.502E+06	1.009E+02	2.750E+03	1.502E+06	1.009E+02
2012	9.631E+02	1.444E+06	9.699E+01	2.642E+03	1.444E+06	9.699E+01
2013	9.161E+02	1.373E+06	9.226E+01	2.514E+03	1.373E+06	9.226E+01
2014	8.714E+02	1.306E+06	8.776E+01	2.391E+03	1.306E+06	8.776E+01
2015	8.289E+02	1.242E+06	8.348E+01	2.274E+03	1.242E+06	8.348E+01
2016	7.885E+02	1.182E+06	7.941E+01	2.163E+03	1.182E+06	7.941E+01
2017	7.500E+02	1.124E+06	7.554E+01	2.058E+03	1.124E+06	7.554E+01
2018	7.134E+02	1.069E+06	7.185E+01	1.958E+03	1.069E+06	7.185E+01
2019	6.787E+02	1.017E+06	6.835E+01	1.862E+03	1.017E+06	6.835E+01
2020	6.456E+02	9.676E+05	6.501E+01	1.771E+03	9.676E+05	6.501E+01
2021	6.141E+02	9.204E+05	6.184E+01	1.685E+03	9.204E+05	6.184E+01
2022	5.841E+02	8.755E+05	5.883E+01	1.603E+03	8.755E+05	5.883E+01
2023	5.556E+02	8.328E+05	5.596E+01	1.525E+03	8.328E+05	5.596E+01
2024	5.285E+02	7.922E+05	5.323E+01	1.450E+03	7.922E+05	5.323E+01
2025	5.028E+02	7.536E+05	5.063E+01	1.379E+03	7.536E+05	5.063E+01
2026	4.782E+02	7.168E+05	4.816E+01	1.312E+03	7.168E+05	4.816E+01
2027	4.549E+02	6.819E+05	4.582E+01	1.248E+03	6.819E+05	4.582E+01
2028	4.327E+02	6.486E+05	4.358E+01	1.187E+03	6.486E+05	4.358E+01
2029	4.116E+02	6.170E+05	4.146E+01	1.129E+03	6.170E+05	4.146E+01
2030	3.915E+02	5.869E+05	3.943E+01	1.074E+03	5.869E+05	3.943E+01
2031	3.725E+02	5.583E+05	3.751E+01	1.022E+03	5.583E+05	3.751E+01
2032	3.543E+02	5.310E+05	3.568E+01	9.721E+02	5.310E+05	3.568E+01
2033	3.370E+02	5.051E+05	3.394E+01	9.247E+02	5.051E+05	3.394E+01
2034	3.206E+02	4.805E+05	3.229E+01	8.796E+02	4.805E+05	3.229E+01
2035	3.049E+02	4.571E+05	3.071E+01	8.367E+02	4.571E+05	3.071E+01
2036	2.901E+02	4.348E+05	2.921E+01	7.959E+02	4.348E+05	2.921E+01
2037	2.759E+02	4.136E+05	2.779E+01	7.571E+02	4.136E+05	2.779E+01
2038	2.625E+02	3.934E+05	2.643E+01	7.201E+02	3.934E+05	2.643E+01
2039	2.497E+02	3.742E+05	2.514E+01	6.850E+02	3.742E+05	2.514E+01
2040	2.375E+02	3.560E+05	2.392E+01	6.516E+02	3.560E+05	2.392E+01

Results (Continued)

Year	Methane			Carbon dioxide		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
2041	2.259E+02	3.386E+05	2.275E+01	6.198E+02	3.386E+05	2.275E+01
2042	2.149E+02	3.221E+05	2.164E+01	5.896E+02	3.221E+05	2.164E+01
2043	2.044E+02	3.064E+05	2.059E+01	5.608E+02	3.064E+05	2.059E+01
2044	1.944E+02	2.914E+05	1.958E+01	5.335E+02	2.914E+05	1.958E+01
2045	1.850E+02	2.772E+05	1.863E+01	5.075E+02	2.772E+05	1.863E+01
2046	1.759E+02	2.637E+05	1.772E+01	4.827E+02	2.637E+05	1.772E+01
2047	1.674E+02	2.508E+05	1.685E+01	4.592E+02	2.508E+05	1.685E+01
2048	1.592E+02	2.386E+05	1.603E+01	4.368E+02	2.386E+05	1.603E+01
2049	1.514E+02	2.270E+05	1.525E+01	4.155E+02	2.270E+05	1.525E+01
2050	1.440E+02	2.159E+05	1.451E+01	3.952E+02	2.159E+05	1.451E+01
2051	1.370E+02	2.054E+05	1.380E+01	3.759E+02	2.054E+05	1.380E+01
2052	1.303E+02	1.954E+05	1.313E+01	3.576E+02	1.954E+05	1.313E+01
2053	1.240E+02	1.858E+05	1.249E+01	3.402E+02	1.858E+05	1.249E+01
2054	1.179E+02	1.768E+05	1.188E+01	3.236E+02	1.768E+05	1.188E+01
2055	1.122E+02	1.681E+05	1.130E+01	3.078E+02	1.681E+05	1.130E+01
2056	1.067E+02	1.599E+05	1.075E+01	2.928E+02	1.599E+05	1.075E+01
2057	1.015E+02	1.521E+05	1.022E+01	2.785E+02	1.521E+05	1.022E+01
2058	9.655E+01	1.447E+05	9.724E+00	2.649E+02	1.447E+05	9.724E+00
2059	9.185E+01	1.377E+05	9.250E+00	2.520E+02	1.377E+05	9.250E+00
2060	8.737E+01	1.310E+05	8.799E+00	2.397E+02	1.310E+05	8.799E+00
2061	8.311E+01	1.246E+05	8.370E+00	2.280E+02	1.246E+05	8.370E+00
2062	7.905E+01	1.185E+05	7.961E+00	2.169E+02	1.185E+05	7.961E+00
2063	7.520E+01	1.127E+05	7.573E+00	2.063E+02	1.127E+05	7.573E+00
2064	7.153E+01	1.072E+05	7.204E+00	1.963E+02	1.072E+05	7.204E+00
2065	6.804E+01	1.020E+05	6.853E+00	1.867E+02	1.020E+05	6.853E+00
2066	6.472E+01	9.701E+04	6.518E+00	1.776E+02	9.701E+04	6.518E+00
2067	6.157E+01	9.228E+04	6.200E+00	1.689E+02	9.228E+04	6.200E+00
2068	5.856E+01	8.778E+04	5.898E+00	1.607E+02	8.778E+04	5.898E+00
2069	5.571E+01	8.350E+04	5.610E+00	1.528E+02	8.350E+04	5.610E+00
2070	5.299E+01	7.943E+04	5.337E+00	1.454E+02	7.943E+04	5.337E+00
2071	5.041E+01	7.555E+04	5.076E+00	1.383E+02	7.555E+04	5.076E+00
2072	4.795E+01	7.187E+04	4.829E+00	1.316E+02	7.187E+04	4.829E+00
2073	4.561E+01	6.836E+04	4.593E+00	1.251E+02	6.836E+04	4.593E+00
2074	4.338E+01	6.503E+04	4.369E+00	1.190E+02	6.503E+04	4.369E+00
2075	4.127E+01	6.186E+04	4.156E+00	1.132E+02	6.186E+04	4.156E+00
2076	3.926E+01	5.884E+04	3.954E+00	1.077E+02	5.884E+04	3.954E+00
2077	3.734E+01	5.597E+04	3.761E+00	1.025E+02	5.597E+04	3.761E+00
2078	3.552E+01	5.324E+04	3.577E+00	9.746E+01	5.324E+04	3.577E+00
2079	3.379E+01	5.065E+04	3.403E+00	9.271E+01	5.065E+04	3.403E+00
2080	3.214E+01	4.818E+04	3.237E+00	8.819E+01	4.818E+04	3.237E+00
2081	3.057E+01	4.583E+04	3.079E+00	8.388E+01	4.583E+04	3.079E+00
2082	2.908E+01	4.359E+04	2.929E+00	7.979E+01	4.359E+04	2.929E+00
2083	2.766E+01	4.147E+04	2.786E+00	7.590E+01	4.147E+04	2.786E+00
2084	2.631E+01	3.944E+04	2.650E+00	7.220E+01	3.944E+04	2.650E+00
2085	2.503E+01	3.752E+04	2.521E+00	6.868E+01	3.752E+04	2.521E+00
2086	2.381E+01	3.569E+04	2.398E+00	6.533E+01	3.569E+04	2.398E+00
2087	2.265E+01	3.395E+04	2.281E+00	6.214E+01	3.395E+04	2.281E+00
2088	2.154E+01	3.229E+04	2.170E+00	5.911E+01	3.229E+04	2.170E+00
2089	2.049E+01	3.072E+04	2.064E+00	5.623E+01	3.072E+04	2.064E+00
2090	1.949E+01	2.922E+04	1.963E+00	5.349E+01	2.922E+04	1.963E+00
2091	1.854E+01	2.779E+04	1.868E+00	5.088E+01	2.779E+04	1.868E+00

Results (Continued)

Year	Methane			Carbon dioxide		
	(Mg/year)	(m^3/year)	(av ft^3/min)	(Mg/year)	(m^3/year)	(av ft^3/min)
2092	1.764E+01	2.644E+04	1.776E+00	4.840E+01	2.644E+04	1.776E+00
2093	1.678E+01	2.515E+04	1.690E+00	4.604E+01	2.515E+04	1.690E+00
2094	1.596E+01	2.392E+04	1.607E+00	4.379E+01	2.392E+04	1.607E+00
2095	1.518E+01	2.276E+04	1.529E+00	4.166E+01	2.276E+04	1.529E+00
2096	1.444E+01	2.165E+04	1.454E+00	3.962E+01	2.165E+04	1.454E+00
2097	1.374E+01	2.059E+04	1.384E+00	3.769E+01	2.059E+04	1.384E+00
2098	1.307E+01	1.959E+04	1.316E+00	3.585E+01	1.959E+04	1.316E+00
2099	1.243E+01	1.863E+04	1.252E+00	3.410E+01	1.863E+04	1.252E+00
2100	1.182E+01	1.772E+04	1.191E+00	3.244E+01	1.772E+04	1.191E+00
2101	1.125E+01	1.686E+04	1.133E+00	3.086E+01	1.686E+04	1.133E+00
2102	1.070E+01	1.604E+04	1.077E+00	2.935E+01	1.604E+04	1.077E+00
2103	1.018E+01	1.525E+04	1.025E+00	2.792E+01	1.525E+04	1.025E+00
2104	9.680E+00	1.451E+04	9.749E-01	2.656E+01	1.451E+04	9.749E-01
2105	9.208E+00	1.380E+04	9.274E-01	2.527E+01	1.380E+04	9.274E-01
2106	8.759E+00	1.313E+04	8.822E-01	2.403E+01	1.313E+04	8.822E-01
2107	8.332E+00	1.249E+04	8.391E-01	2.286E+01	1.249E+04	8.391E-01
2108	7.926E+00	1.188E+04	7.982E-01	2.175E+01	1.188E+04	7.982E-01
2109	7.539E+00	1.130E+04	7.593E-01	2.069E+01	1.130E+04	7.593E-01
2110	7.171E+00	1.075E+04	7.223E-01	1.968E+01	1.075E+04	7.223E-01
2111	6.822E+00	1.023E+04	6.870E-01	1.872E+01	1.023E+04	6.870E-01
2112	6.489E+00	9.726E+03	6.535E-01	1.780E+01	9.726E+03	6.535E-01
2113	6.173E+00	9.252E+03	6.216E-01	1.694E+01	9.252E+03	6.216E-01
2114	5.871E+00	8.801E+03	5.913E-01	1.611E+01	8.801E+03	5.913E-01
2115	5.585E+00	8.372E+03	5.625E-01	1.532E+01	8.372E+03	5.625E-01
2116	5.313E+00	7.963E+03	5.351E-01	1.458E+01	7.963E+03	5.351E-01
2117	5.054E+00	7.575E+03	5.090E-01	1.387E+01	7.575E+03	5.090E-01
2118	4.807E+00	7.206E+03	4.841E-01	1.319E+01	7.206E+03	4.841E-01
2119	4.573E+00	6.854E+03	4.605E-01	1.255E+01	6.854E+03	4.605E-01
2120	4.350E+00	6.520E+03	4.381E-01	1.193E+01	6.520E+03	4.381E-01
2121	4.138E+00	6.202E+03	4.167E-01	1.135E+01	6.202E+03	4.167E-01
2122	3.936E+00	5.899E+03	3.964E-01	1.080E+01	5.899E+03	3.964E-01
2123	3.744E+00	5.612E+03	3.770E-01	1.027E+01	5.612E+03	3.770E-01
2124	3.561E+00	5.338E+03	3.587E-01	9.771E+00	5.338E+03	3.587E-01
2125	3.388E+00	5.078E+03	3.412E-01	9.295E+00	5.078E+03	3.412E-01
2126	3.222E+00	4.830E+03	3.245E-01	8.841E+00	4.830E+03	3.245E-01
2127	3.065E+00	4.594E+03	3.087E-01	8.410E+00	4.594E+03	3.087E-01
2128	2.916E+00	4.370E+03	2.936E-01	8.000E+00	4.370E+03	2.936E-01
2129	2.773E+00	4.157E+03	2.793E-01	7.610E+00	4.157E+03	2.793E-01
2130	2.638E+00	3.954E+03	2.657E-01	7.239E+00	3.954E+03	2.657E-01
2131	2.510E+00	3.762E+03	2.527E-01	6.886E+00	3.762E+03	2.527E-01