

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: CITY OF GARLAND CASTLE DRIVE LANDFILL

Facility Identifier: 526584

Facility Reporting Year: 2010

Facility Location:

Address: 3637 CASTLE DR

City: GARLAND

State: TX

Postal Code: 75040

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 89418

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2010-01-01

GHG Report End Date: 2010-12-31

Description of Changes to Calculation Methodology:

Description of Best Available Monitoring Methods Used: BMM from January 1, 2010 through March 31, 2010 for landfill gas flow and methane content monitoring consisted of following 40 CFR Part 98 monitoring and missing data procedures. The data elements incorporating missing data substitution procedures and total number of hours missing data substitutions were used are reported according to 40 CFR Â§98.3(c)(8), and BMM uses of the missing data substitution procedures are not considered with aforementioned reported information.

Part 75 Biogenic Emissions Indication: No Part 75 methods used

Primary NAICS Code: 562212

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: City of Garland

Address: 1434 Commerce Street, Garland, TX 75040

Percent Ownership Interest: 100

Subpart HH: Municipal Solid Waste Landfills**Gas Information Details**

Gas Name	Other Gas Name	Gas Quantity	Override	Override Explanation
Biogenic Carbon dioxide		0 (Metric Tons)		
Methane		4258 (Metric Tons)		
Nitrous Oxide		0 (Metric Tons)		

Landfill Details:

Open	N
Ending Year for Accepting Waste	
Leachate Recirculation Indicator	N
LeachRate Recirculation Frequency	
Scales Indicator	N
LandFill Gas Collection System Indicator	Y
Passive Vent Flare Indicator	N
Landfill Capacity	()
Landfill SurfaceArea Containing Waste	558183 (Square Meters)
Covertyp Details	Clay cover

Aeration Details:

Aeration Blower Capacity	()
Landfill Fraction Affected by Aeration	()
Aeration Blower Operations Hours	()
Other MCF Factors	
Additional Description	

Current Waste Disposal Quantity Determination Details

Current Annual Waste Quantity Method	
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Historical Waste Disposal Quantity Estimation Details**Method used to determine the annual waste quantity for any years prior to 2010**

Were scales used to determine the annual waste quantity	N
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Tipping Receipt Details

Were tipping receipts or company records used to determine waste disposal quantities	N
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Method used for estimating all annual waste quantities that are not determined with the methods above

Method	Method #3: Use the landfill capacity or, for operating landfills, the amount of waste-in-place to estimate a constant average waste disposal quantity (Equation HH-3).
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Start Year	1978
Method End Year	2003
Reason	In order to follow 40 CFR Part 98 procedures for determining waste acceptance for all years, waste acceptance prior to the reporting year was estimated using the method in 40 CFR Part 98.343(a)(4)(iii). This method was chosen as it uses the most current waste-in-place information for the site and it does not require the need for any additional assumptions to be made about historical waste acceptance. When compared to the other methods provided for in the rule, this method was determined to be the most appropriate for determining historical waste acceptance, for GHG reporting purposes, at this site.

Methane Generation and Emissions for Landfills with LFG Collection Systems

Gas Collection System Information

System Manufacturer	New York Blower Company
System Capacity	2500 (acfm)
Number of Wells	70

Methane Generation and Emissions values

Methane Generation Equation HH5	5780(Metric Tons)
Methane Generation Equation HH7	3643(Metric Tons)
Basis for Input Methane Generation Value	Equation HH-1
Methane Emissions Equation HH6	4258.00(Metric Tons)
Methane Emission from Equation HH8	2121.00(Metric Tons)

Gas Collection Systems details

Annual Volume FGCollected Gas Volumetric Flow	232600295 (scf)	
	IsSubstitutedIndicator	N
	NumberOfTimesSubstituted	
Annual Average Methane Concentration	50 (Number (between 0 and 100))	
	IsSubstitutedIndicator	Y
	NumberOfDaysSubstituted	
	NumberOfWeeksSubstituted	8
isTemperatureIncorporatedIndicator	Y	
isPressureIncorporatedIndicator	Y	
isLFGFlowWetBasisIndicator	Y	
isMethaneConcentrationWetBasisIndicator	Y	
OnSiteDestructionIndicator	On-site	
BackupDevicePresent	N	

Waste depth details

Area Type	WasteDepth(UOM)
A1	0(Meters)
A2	12.56(Meters)
A3	0(Meters)
A4	12.56(Meters)
A5	0(Meters)