

GCCS Monitoring Activities					
	Locations - Active Landfill ^(a)				
	Perimeter Gas Probes	LFG Extraction Wells	Condensate Sumps	Flare	
CO2	X	X			X
O2	X	X			X
CH4	X	X			X
H2S	X	X			
Temp (°F)		X		X	
Flow (scfm)		X		X	
Pressure (in. water column)	X	X		X	
%LEL	X				
Stroke Count			X		
Liquid Level			X		
	Quarterly	Monthly	Monthly	Continuously	Weekly
Monitoring Requirements Per Approval Order 10AQ-E355					
Task / Requirement	Reference Conditions ^(b)	Frequency	Equipment	Responsible Party	Report Due Date
The project should be limited to active gas extraction to one enclosed flare designed with a maximum flow of 300 scfm standard cubic feet per minute.	1.2	Continuously	Flow Meter	Landfill GCCS Operator	N/A
There shall be no visible emissions (Zero percent opacity) from landfill operations at the property boundary of the site. No visible emissions from the source shall be detected offsite.	2.1	Continuously	Visual Confirmation	Landfill GCCS Operator	Upon complaint investigate within 24 hours. Records to be kept on site.
Visible emissions on-site in the vicinity of the landfill's active operations shall not exceed ten (10) percent opacity.	2.2	Continuously	Visual Confirmation	Landfill GCCS Operator	Upon complaint investigate within 24 hours. Records to be kept on site.

Monitoring Requirements Per Sudbury Road Landfill Gas Destruction Project monitoring Plan ^(c)

Task / Requirement	Frequency	Equipment	Responsible Party	Records
Monitor Flow (scfm)	Continuously (Every 10 minutes)	Thermal Mass Flow Thermal Mass Flow Meter Thermal Instrument Company Model 62-9/9500 Serial No: 2010372	O&M Contractor	Data recorded every 10 minutes.
Methane (%)	Continuously (Every 10 minutes)	Gas Analyzer	O&M Contractor	Contactor to keep records on file
Temperature (degrees F)	Continuously (Every 10 minutes)	Type K Thermocouple Thermo Sensors	O&M Contractor	and in maintenance log.
NMOC Level	Annual	EPA T0-12 gas analysis	O&M Contractor	
Calibration of Flow Meter	Per manuf. Recommned. (18 months)	Thermal Mass Flow Thermal Mass Flow Meter Thermal Instrument Company Model 62-9/9500 Serial No: 2010372	O&M Contractor	Data recorded every 10 minutes.
Check for Drift of Flow Meter (Annual calibration of flow meter meets this requirment)	Annual	Thermal Mass Flow Thermal Mass Flow Meter Thermal Instrument Company Model 62-9/9500 Serial No: 2010372	O&M Contractor	Contactor to keep records on file and in maintenance log.
Wellfield (scfm)	Monthly	Various	O&M Contractor	
Leachate Pumping Stations	Monthly	Various	O&M Contractor	
Flare Station	Monthly	Various	O&M Contractor	

(a) Sample frequency may be adjust depending on beneficial reuse projects, newly installed wells, etc. Any deviation from the above schedule will be approved by the GCCS manager.

(b) Reference: Sudbury Road Landfill Approval Order Number 10AQ-E355, dated May 28, 2010

(c) Reference: Sudbury Road Landfill Gas Destruction Project Monitoring Plan Dated June 8, 2012 and Climate Action Reserve ID: CAR844