SUNSHINE CANYON LANDFILL

A REPUBLIC SERVICES COMPANY

March 14, 2016

Ms. Cher Snyder
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, California 91765

Mr. Renaldo Crooks
California Air Resources Board
P.O. Box 2815
Sacramento, California 95182

Re: Sunshine Canyon Landfill
CalRecycle Solid Waste Information System Number: 19-AA-2000
2015 Landfill Methane Rule and Rule 1150.1(f)(3) Annual Report

Dear Sir or Madam:

As required by the California Air Resources Board (CARB) "Methane Emissions from Municipal Solid Waste Landfills" Subchapter 10, Article 4, Subarticle 6 Landfill Methane Rule (LMR) Section §95470(b)(3), and South Coast Air Quality Management District (AQMD) Rule 1150.1(f)(3), attached is the Annual Report for the Sunshine Canyon Landfill (Sunshine Canyon) for the reporting period of January 1, 2015 through December 31, 2015.

I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate, and complete.

Sincerely,

Sunshine Canyon Landfill

Rob Sherman
Responsible Official

Attachments: Sunshine Canyon Landfill 2015 LMR and Rule 1150.1(f)(3) Annual Report

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Cal Recycle Solid Waste Information System Number: 19-AA-2000
2015 Landfill Methane Rule and AQMD Rule 1150.1(f)(3) Annual Report

Dear Sir or Madam:

As required by the California Air Resources Board (CARB), California Code of Regulations (CCR) Title 17, Division 3, Chapter 1, Subchapter 10, Article 4, Subarticle 6, "Methane Emissions from Municipal Solid Waste Landfills", Section §95470(b)(3) Landfill Methane Rule (LMR) and South Coast Air Quality Management District (AQMD) Rule 1150.1(f)(3), attached is the 2015 Annual Report for the Sunshine Canyon Landfill (SCL). SCL, owned and operated by Browning-Ferris Industries of California, Inc., (BFI), is an active municipal solid waste (MSW) landfill located in Sylmar, California with at least 450,000 tons of waste-in-place (WIP) and an active gas collection and control system (GCCS). SCL is comprised of two (2) sides, a City-side and a County-side which was combined in 2009 and operate under one (1) Title V Permit.

Pursuant to CCR Title 17 §95468, SCL may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of CCR Title 17 §95464, §95469, and §95471. An Alternative Compliance Option (ACO) Request was submitted on May 17, 2011 for alternatives to Rule 1150.1. Per correspondence from AQMD dated October 14, 2011, SCL provided Cornerstone comments from the AQMD regarding the 1150.1 ACO request, which was submitted to the AQMD on May 6, 2011. On November 3, 2011, Cornerstone submitted a draft response letter to SCL for review. The responses to AQMD's comments on the Plan were submitted to the AQMD on April 2, 2012. Republic is currently awaiting AQMD response.

The following section discusses the applicable annual reporting requirements pursuant to §95470(b)(3) and AQMD Rule 1150.1(f)(3) for the reporting period of January 1, 2015 through December 31, 2015.

CCR §95470(b)(3) & AQMD Rule 1150.1(f)(3)

Any owner or operator subject to the requirements of this sub-article, must prepare an annual report for the period of January 1 through December 31 of each year. Each annual report must be submitted to the Executive Officer by March 15 of the following year.

This annual report contains the following information:

(A) MSW landfill name, owner and operator, address, and solid waste information system (SWIS) identification number.

The facility information is listed below:

Facility Name:	Sunshine Canyon Landfill Owned and Operated by BFI
Facility Address:	14747 San Fernando Road Sylmar, CA 91342
SWIS Number:	19-AA-2000

(B) Total volume of landfill gas collected (reported in standard cubic feet).

The total volume of landfill gas (LFG) collected from January 1, 2015 through December 31, 2015 was 2,889,387,207.0 standard cubic feet (scf).

Device ID	Total LFG Throughput Volume (scf)
Flare 1	1,022,536,669.0
Flare 3*	84,362,276.5
Flare 8**	0.0
Flare 9	554,668,915.5
Flare 10	1,227,819,346.0
Total	2,889,387,207.0

*Flare 3 operates as a back-up flare to Flares 1, 9, 10 and the landfill gas to energy (LFGTE) plant. Flares 9 and 10 are back-up units to the LFGTE plant.
**Flare 8 did not operate for the duration of 2015 and was decommissioned in March 2015.

(C) Average composition of the landfill gas collected over the reporting period (reported in percent methane and percent carbon dioxide by volume).

The average concentration of LFG collected through Flares 1, 3, 9, and 10 from January 1, 2015 through December 31, 2015 was 42.5 percent methane (CH_4), 36.0

percent carbon dioxide (CO_2), 1.3 percent oxygen (O_2), and 20.2 percent balance gas. Flare 8 did not operate for the duration of 2015 and was decommissioned in March 2015. Refer to Table 1, 2015 Annual Average Landfill Gas Composition, for details.

(D) Gas control device type, year of installation, rating, fuel type, and total amount of landfill gas combusted in each control device.

The McGill Enclosed Flare 1 operated January 1, 2015 through December 31, 2015 as a gas control device. Flare 1 was installed in approximately 1985. Flare 1 is rated at 105 Million British Thermal Units per hour (MMBTU/hr) and combusts LFG. A total of 1,022,536,669.0 scf LFG was combusted in 2015.

The McGill Enclosed Flare 3 operated January 1, 2015 through December 31, 2015 as a gas control device, Flare 3 is a back-up device, operating on an as-need basis. Flare 3 was installed in 1997. Flare 3 is rated at 105 MMBTU/hr and combusts LFG. A total of 84,362,276.5 scf LFG was combusted in 2015.

The McGill Enclosed Flare 8 was installed in 1998. Flare 8 was rated at 105 MMBTU/hr. Flare 8 did not operate for the duration of 2015 and was decommissioned in March 2015.

The John Zink Ultra Low Emissions (ZULE) Enclosed Flare 9 operated January 1, 2015 through December 31, 2015 as a gas control device, Flare 9 is a back-up device to the LFGTE Plant. Flare 9 was installed in 2012 and began operation on August 6, 2012. Flare 9 is rated at 136.7 MMBTU/hr and combusts LFG. A total amount of 554,668,915.5 scf LFG was combusted in 2015.

The ZULE Enclosed Flare 10 operated January 1, 2015 through December 31, 2015 as a gas control device, Flare 10 is a back-up device to the LFGTE Plant. Flare 10 was installed in 2013 and began operation on August 16, 2013. Flare 10 is rated at 136.7 MMBTU/hr and combusts LFG. A total amount of 1,227,819,346.0 scf LFG was combusted in 2015.

(E) The date that the gas collection and control system was installed and in full operation.

The first phase of the GCCS system was installed and began operation in 1979. The GCCS in Unit 1 of the City side of the Landfill was installed and began operation in 1988. City side of SCL closed in 1991; County side of SCL began accepting waste in 1996, and is currently the active portion of SCL. The City-side and County-side of the landfill were combined in 2009, and operate under one Title V Permit. SCL currently has an active GCCS on both the City and County sides of the Landfill. See Appendix A, As-Built Map, for details.

(F) The percent methane destruction efficiency of each gas control device(s).

Pursuant to the ACO submitted on May 17, 2011, the Amended April 1, 2011 Rule 1150.1 allows performance testing of at least one flare every year and then alternate all others such that each flare is source tested at least once every three (3) years.

Pursuant to the ACO submitted on May 17, 2011 for Rule 1150.1, a Performance Test for Flare 1 was most recently conducted on July 22, 2014. The results of the Performance Test indicate Flare 1 had 99.99 percent CH_4 destruction efficiency, which is in compliance with the required 99 percent destruction efficiency pursuant to §95464(b)(2)(A)(1). The 2014 Flare 1 Performance Test Report was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015.

Pursuant to the ACO submitted on May 17, 2011 for Rule 1150.1, a Performance Test for Flare 3 was last conducted on July 21, 2014. The results of the Performance Test indicate Flare 3 had 99.99 percent CH_4 destruction efficiency, which is in compliance with the required 99 percent destruction efficiency pursuant to §95464(b)(2)(A)(1). The 2014 Flare 3 Performance Test Report was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015.

The 2012 Performance Test for Flare 8 was conducted on December 10, 2012. The results of the Performance Test indicate Flare 8 had 99.99 percent CH_4 destruction efficiency, which is in compliance with the required 99 percent destruction efficiency pursuant to §95464(b)(2)(A)(1). The Flare 8 2012 Performance Test Report was included in Attachment B of the 2012 AB-32 (LMR) Report submitted on March 13, 2013.

The 2012 Performance Test for Flare 9 was conducted on December 17, 2012. The results of the Performance Test indicate Flare 9 had 99.99 percent CH_4 destruction efficiency, which is in compliance with the required 99 percent destruction efficiency pursuant to §95464(b)(2)(A)(1). The 2012 Flare 9 Performance Test Report was included in Attachment B of the 2012 AB-32 (LMR) Report submitted on March 13, 2013. SCL has been in contact with the AQMD about an extension on the source testing of Flare 9 in January 2016.

The 2013 Performance Test for Flare 10 was conducted on December 12, 2013. The results of the Performance Test indicate Flare 10 had 99.99 percent CH_4 destruction efficiency, which is in compliance with the required 99 percent destruction efficiency pursuant to §95464(b)(2)(A)(1). The 2013 Flare 10 Performance Test Report was submitted on March 11, 2014.

(G) Type and amount of supplemental fuels burned with the landfill gas in each device.

No supplemental fuels were burned with the LFG in Flares 1, 3, 8, 9, and 10 at SCL from January 1, 2015 through December 31, 2015.

(H) Total volume of landfill gas shipped off-site, the composition of the landfill gas collected (reported in percent methane and percent carbon dioxide by volume), and the recipient of the gas.

No LFG was shipped off-site of SCL from January 1, 2015 through December 31, 2015.

(I) Most recent topographic map of the site showing the areas with final cover and a geomembrane and the areas with final cover without a geomembrane with corresponding percentages over the landfill surface.

The most recent as-built topographic map, dated August 2014 of the site is included in Attachment A.

(J) The information required by sections §95470(a)(1)(A), §95470(a)(1)(B) & Rule 1150.1(f)(1)(G), §95470(a)(1)(C) & Rule 1150.1(f)(1)(A)(ii), §95470(a)(1)(D), §95470(a)(1)(E) & Rule 1150.1(f)(1)(K), §95470(a)(1)(F) & Rule 1150.1(f)(1)(I), §95470(a)(1)(H) & Rule 1150.1(f)(1)(L), and §95470(a)(1)(K) & Rule 1150.1(f)(1)(A)(iii).

The following section discusses the applicable annual reporting requirements pursuant to §95470(a)(1) and AQMD Rule 1150.1(f) for the reporting period of January 1, 2015 through December 31, 2015.

CCR §95470(a)(1) & AQMD Rule 1150.1(f)(1)

An owner or operator must maintain the following records, whether in paper, electronic, or other format, for at least five (5) years.

CCR §95470(a)(1)(A)

All gas collection system downtime exceeding five calendar days, including individual well shutdown and disconnection times, and the reason for the downtime.

The GCCS was not shut down for more than five (5) days during 2015. Individual well shutdown and disconnection times and the reason for the downtime are included in the 2015 Well Startup, Shutdown, and Malfunction (SSM) Log, included in Attachment C.

CCR §95470(a)(1)(B) & AQMD Rule 1150.1(f)(1)(G)

All gas control system downtime in excess of one hour, the reason for the downtime, and the length of time the gas control system was shutdown.

There were no instances of GCCS downtime in excess of one (1) hour as there was 0.00 hours of GCCS downtime in 2015. GCCS Downtime is when all emission control devices are not operating. Refer to the GCCS Downtime Log, included in Attachment D, for details.

CCR §95470(a)(1)(C) & AQMD Rule 1150.1(f)(1)(A)(ii)

Expected gas generation flow rate calculated pursuant to section 95471(e).

The LFG generation flow rate was calculated pursuant to CCR §95471(e), using the 2006 Intergovernmental Panel on Climate Change (IPCC) Guidelines for National Greenhouse Gas Inventories, Chapter 3, which is incorporated by reference herein, using a recovery rate of 75 percent. The CARB Landfill Emissions Tool Version 1.3 (release date: November 14, 2011) was implemented in order to calculate expected LFG generation rates. The LFG Generation Flow Rate Calculations and Results are included in Appendix E.

CCR §95470(a)(1)(D) & AQMD Rule 1150.1(f)(1)(C)&(D)

Records of all instantaneous surface readings of 200 ppmv [parts per million by volume] or greater; all exceedances of the limits in sections 95464(b)(1)(B) or 95465, including the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, any required re-monitoring and the re-monitored concentration in ppmv, and wind speed during surface sampling; and the installation date and location of each well installed as part of a gas collection system expansion. For integrated samples and all remedial actions taken for exceedances of 25 ppmv TOC standard determined by integrated samples taken on numbered 50,000 square foot landfill grids.

Instantaneous and integrated surface emissions monitoring (SEM) was conducted in 2015. The First, Second, Third, and Fourth Quarter 2015 AQMD 1150.1 Monitoring Reports were submitted to the AQMD under a separate cover. Due to the large file size, the reports are not included with this report. The cover letters for the First, Second, Third, and Fourth Quarter AQMD 1150.1 Quarterly Monitoring Reports are included in Attachment F.

A summary of wells installed as part of the GCCS expansion from January 1, 2015 through December 31, 2015 is included in Attachment C, 2015 Wellfield SSM Log.

CCR §95470(a)(1)(E) & AQMD Rule 1150.1(f)(1)(K)

Records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken.

There were 45 initial recorded measurements of positive wellhead pressure in 2015. Refer to Table 2 for dates of measurement, Well IDs, and corrective action taken.

CCR §95470(a)(1)(F) & AQMD Rule 1150.1(f)(1)(I)

Annual solid waste acceptance rate and the current amount of Waste-In-Place (WIP).

The annual rate of solid waste acceptance in 2015 was 2,402,465.86 tons. The current amount of WIP for both County-side and City-side of SCL, as of December 31, 2015 is approximately 63,314,376.86 tons.

CCR §95470(a)(1)(H) & AQMD Rule 1150.1(f)(1)(L)(i)(I)

Results of any source tests conducted pursuant to section 95464(b)(4).

Pursuant to the ACO submitted on May 17, 2011, the Amended April 1, 2011 AQMD Rule 1150.1 allows performance testing of at least one (1) flare every year and then alternate all others such that each flare is source tested at least once every three (3) years.

Pursuant to the ACO submitted on May 17, 2011 for AQMD Rule 1150.1, a 2014 Performance Test for Flare 1 was conducted on July 22, 2014. The results of the source test was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015.

Pursuant to the ACO submitted on May 17, 2011 for AQMD Rule 1150.1, a 2014 Performance Test for Flare 3 was conducted on July 21, 2014. The results of the source test was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015.

The 2012 Performance Test for Flare 8 was conducted on December 10, 2012. The results of the source test were in included in Attachment B of the 2012 AB-32 (LMR) Report submitted on March 13, 2013.

The 2012 Performance Test for Flare 9 was conducted on December 17, 2012. The results of the source test were in included in Attachment B of the 2012 AB-32 (LMR) Report submitted on March 15, 2013.

The 2013 Performance Test for Flare 10 was conducted on December 12, 2013. The results of the source test were in included in Attachment B of the 2013 AB-32 (LMR) Report submitted on March 11, 2014.

AQMD Rule 1150.1(f)(1)(J)

All records pertaining to non-degradable waste acceptance, including the nature, location, amount and the deposition for any landfill area excluded from the gas collection system.

No non-degradable construction and demolition (C&D) material was accepted during the reporting period of January 2015 through December 2015. The gas collection system incorporates all areas where any type of waste was placed and does not exclude areas based on the waste characteristics.

AQMD 1150.1(f)(1)(H)(i-ii)

During construction that requires exposing solid waste material to the atmosphere.

There were no instances during construction when solid waste material was exposed to the atmosphere at SCL from January 2015 through December 2015.

CCR §95470(a)(1)(K) & AQMD Rule 1150.1(f)(1)(L)

Records of the equipment operating parameters specified to be monitored under sections 95469(b)(1) and 95469(b)(2) as well as records for periods of operation during which the parameter boundaries established during the most recent source test are exceeded. The records must include the following information:

CCR §95470(a)(1)(K)(1) & AQMD Rule 1150.1(f)(1)(L)(i)(I)

For enclosed flares all 3-hour periods of operation during which the average temperature difference was more than 28 degrees Celsius (or 50 degrees Fahrenheit) below the average combustion temperature during the most recent source test at which compliance with sections 95464(b)(2) and 95464(b)(3)(A) was determined.

From January 1, 2015 to December 31, 2015, Flare 1 operating records indicate that the flare combustion zone temperature did not drop below 1,600 degrees Fahrenheit (°F) (flare set temperature of 1,640°F during the August 25, 2011 source test), determining compliance with Sections §95464(b)(2) and §95464(b)(3)(A) on a three-hour average basis while in operation. Flare 1 was source tested on July 22, 2014. Results of the source test were received after December 31, 2014, and the three-hour average temperature was determined as 1,644°F (limit based on average combustion temperature of 1,694°F during the July 22, 2014 source test) pursuant to A/N 541300 Condition Number 7. The Flare 1 Performance Test Report was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015. Flare operating records are kept on-site and available upon request.

From January 1, 2015 to December 31, 2015, Flare 3 operating records indicate that the flare combustion zone temperature did not drop below 1,600°F (flare set temperature of 1,650°F during the August 11, 2011 source test), determining compliance with Sections §95464(b)(2) and §95464(b)(3)(A) on a three-hour average basis while in operation. Flare 3 was source tested on July 21, 2014. Results of the source test were received after December 31, 2014, and the three-hour average temperature was determined as 1,600°F (limit based on average combustion temperature of 1,650°F during the July 22, 2014 source test) pursuant to A/N 541300 Condition Number 7. The Flare 1 Performance Test Report was included in Attachment B of the 2014 AB-32 (LMR) Report submitted on March 2, 2015. Flare operating records are kept on-site and available upon request.

From January 1, 2015 to December 31, 2015, Flare 8 operating records indicate that the flare combustion zone temperature did not drop below 1,652°F (limit established based on average combustion temperature during the December 10, 2012 source test), determining

compliance with Sections §95464(b)(2) and §95464(b)(3)(A) on a three-hour average basis while in operation. Flare operating records are kept on-site and available upon request.

From January 1, 2015 to December 31, 2015, the Flare 9 15-minute rolling average temperature did drop below 1,600°F, intermittently throughout the reporting period. Flare 9 returned to normal operating temperatures above 1,600°F following each temperature drop. AQMD was notified as necessary with each applicable temperature drop. Pursuant to Application Number (A/N) 526972 Condition Number 7, the Flare 9 combustion zone temperature shall not drop below 1,600°F averaged over any 15-minute period while the flare is in operation, except during periods of startup and shutdowns. Based on the most recent Flare 9 source test conducted on October 1, 2, and 3, 2012, the minimum allowable three (3) hour average combustion zone temperature limit is 1,617°F. Flare 9 did not drop below 1,617°F on a 3 hour average basis while in operation during the reporting period.

From January 1, 2015 to December 31, 2015, the Flare 10 15-minute rolling average temperature did drop below 1,600°F. Flare 10 returned to normal operating temperatures above 1,600°F following each temperature drop. AQMD was notified as necessary with each applicable temperature drop. Pursuant to A/N 541300 Condition Number 7, the Flare 10 combustion zone temperature shall not drop below 1,600°F averaged over any 15-minute period while the flare is in operation, except during periods of startup and shutdowns. Based on the most recent Flare 10 source test conducted on December 12, 2013, minimum allowable three (3) hour average temperature was determined as 1,653°F. Flare 10 did not drop below 1,653°F on a 3 hour average basis while in operation during the reporting period.

CCR §95470(a)(1)(K)(2) & AQMD Rule 1150.1(f)(1)(L)(i)(II)

For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone pursuant to section 95464(b)(3)(A)2.

There are no boilers or process heaters at the SCL.

CCR §95470(a)(1)(K)(3) & AQMD Rule 1150.1(f)(1)(L)(iii)

For any owner or operator who uses a boiler or process heater with a design heat input capacity of 44 megawatts (150 MMBtu/hr) or greater to comply with section 95464(b)(3), all periods of operation of the boiler or process heater (e.g., steam use, fuel use, or monitoring data collected pursuant to other federal, State, local, or tribal regulatory requirements).

There are no boilers or process heaters at the SCL.

CCR §95470(a)(1)(K)(4)

For a gas control device other than an enclosed flare, demonstrate compliance by providing information describing the operation of the gas control device, the operating parameters

that would indicate proper performance and appropriate monitoring procedures as specified in 95469(b)(2).

The only control devices operated at SCL from January 2015 through December 2015 were Flares 1, 3, 8, 9, and 10.

Tables: Table 1 – Annual Average Landfill Gas Composition
Table 2 – 2015 Wellfield Pressure Deviations

Enclosures: Attachment A – As-Built and Topographic Maps
Attachment B – 2015 Well SSM Log
Attachment C – 2015 GCCS Downtime Log
Attachment D – LFG Generation Flow Rate Calculations
Attachment E – 1150.1 Quarterly Monitoring Report Covers

TABLES

Annual Average Landfill Gas Composition
Flares 1, 3, 9, and 10
Sunshine Canyon Landfill, Sylmar, CA

Device ID	Date Time	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Balance % by Volume
5123GH10	1/6/2015 12:03	46.8	37.4	1.8	14.0
5123GH10	1/12/2015 8:04	45.6	36.6	2.4	15.4
5123GH10	1/23/2015 12:40	46.8	36.8	1.7	14.7
5123GH10	1/29/2015 8:03	46.0	38.3	1.9	13.8
5123GH10	2/6/2015 8:58	44.6	36.2	2.2	17.0
5123GH10	2/12/2015 7:38	46.6	36.5	2.1	14.8
5123GH10	2/27/2015 12:17	44.9	36.7	2.5	15.9
5123GH10	3/4/2015 13:22	45.1	36.2	0.8	17.9
5123GH10	3/11/2015 8:11	46.3	35.1	2.1	16.5
5123GH10	3/18/2015 7:31	46.0	36.8	1.9	15.3
5123GH10	3/24/2015 8:08	46.7	36.8	1.9	14.6
5123GH10	3/31/2015 14:04	47.3	37.5	1.4	13.8
5123GH10	4/9/2015 8:09	46.3	36.7	1.8	15.2
5123GH10	4/13/2015 8:04	45.9	36.6	1.7	15.8
5123GH10	4/23/2015 10:11	46.1	36.4	1.9	15.6
5123GH10	5/7/2015 10:26	48.1	38.3	1.3	12.3
5123GH10	6/8/2015 8:44	45.5	35.9	2.0	16.6
5123GH10	6/23/2015 8:49	46.1	36.5	1.4	16.0
5123GH10	6/29/2015 8:00	46.4	36.6	1.5	15.5
5123GH10	7/10/2015 9:23	46.3	37.2	1.5	15.0
5123GH10	7/16/2015 7:04	49.0	37.6	1.4	12.0
5123GH10	7/23/2015 13:17	45.4	36.7	0.9	17.0
5123GH10	7/28/2015 10:27	48.4	37.9	1.2	12.5
5123GH10	8/3/2015 10:44	47.4	37.7	1.4	13.5
5123GH10	8/14/2015 7:23	48.0	37.0	1.8	13.2
5123GH10	8/19/2015 8:12	47.7	39.1	2.2	11.0
5123GH10	8/24/2015 9:07	47.7	35.5	2.8	14.0
5123GH10	8/31/2015 8:24	44.6	36.5	2.4	16.5
5123GH10	9/9/2015 8:32	46.0	37.9	1.6	14.5
5123GH10	9/17/2015 8:36	47.9	38.3	1.6	12.2
5123GH10	9/21/2015 8:19	47.4	37.6	1.4	13.6
5123GH10	10/15/2015 12:42	46.7	37.7	1.6	14.0
5123GH10	10/22/2015 13:48	46.4	38.1	1.6	13.9
5123GH10	10/26/2015 12:37	47.5	38.1	1.4	13.0
5123GH10	11/5/2015 12:19	48.2	36.8	1.7	13.3
5123GH10	11/10/2015 12:48	47.8	38.1	1.8	12.3
5123GH10	11/20/2015 12:45	46.4	36.8	1.9	14.9
5123GH10	11/23/2015 12:32	48.4	36.4	1.8	13.4
5123GH10	12/3/2015 12:55	46.8	36.7	1.8	14.7
5123GH10	12/9/2015 13:23	47.4	36.8	1.7	14.1

Device ID	Date Time	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Balance % by Volume
5123GH10	12/15/2015 13:09	46.7	37.1	1.9	14.3
5123GH10	12/22/2015 11:34	45.6	37.0	2.3	15.1
5123GH10	12/29/2015 12:33	53.3	41.5	1.9	3.3
5123GHG1	1/6/2015 12:21	39.1	33.6	2.3	25.0
5123GHG1	1/12/2015 8:35	38.6	35.8	0.9	24.7
5123GHG1	1/23/2015 12:16	41.6	36.7	0.4	21.3
5123GHG1	1/29/2015 8:14	41.8	36.9	0.1	21.2
5123GHG1	2/6/2015 8:38	37.0	35.6	0.8	26.6
5123GHG1	2/12/2015 8:00	36.1	34.5	0.7	28.7
5123GHG1	2/27/2015 13:05	36.2	35.2	0.3	28.3
5123GHG1	3/4/2015 10:08	34.9	33.3	0.8	31.0
5123GHG1	3/11/2015 8:38	35.9	32.9	0.3	30.9
5123GHG1	3/18/2015 8:04	35.0	33.7	0.4	30.9
5123GHG1	3/24/2015 8:42	34.9	32.8	1.8	30.5
5123GHG1	3/31/2015 14:02	33.4	29.2	4.3	33.1
5123GHG1	4/9/2015 9:04	37.7	34.7	0.5	27.1
5123GHG1	4/13/2015 8:33	35.9	34.0	0.6	29.5
5123GHG1	4/23/2015 8:12	36.4	34.3	0.8	28.5
5123GHG1	5/1/2015 8:20	36.3	33.9	0.9	28.9
5123GHG1	5/7/2015 6:36	37.8	34.9	1.4	25.9
5123GHG1	5/11/2015 8:12	37.2	34.0	0.9	27.9
5123GHG1	5/18/2015 8:29	36.1	33.9	0.9	29.1
5123GHG1	5/29/2015 8:14	37.9	34.5	0.7	26.9
5123GHG1	6/1/2015 10:04	37.8	33.6	0.8	27.8
5123GHG1	6/8/2015 9:11	35.7	33.4	0.8	30.1
5123GHG1	6/19/2015 9:05	35.7	32.8	0.9	30.6
5123GHG1	6/23/2015 8:18	36.7	33.5	1.0	28.8
5123GHG1	6/29/2015 8:40	37.2	34.3	0.6	27.9
5123GHG1	7/10/2015 8:58	35.3	34.1	0.8	29.8
5123GHG1	7/16/2015 7:25	37.5	34.3	0.4	27.8
5123GHG1	7/23/2015 6:55	34.3	33.4	1.0	31.3
5123GHG1	7/28/2015 9:53	37.8	35.0	0.3	26.9
5123GHG1	8/3/2015 9:55	37.3	34.9	0.4	27.4
5123GHG1	8/14/2015 6:26	38.3	35.0	0.8	25.9
5123GHG1	8/19/2015 8:29	41.6	38.5	0.5	19.4
5123GHG1	8/24/2015 6:43	39.9	36.0	1.0	23.1
5123GHG1	8/31/2015 7:59	40.7	36.1	1.0	22.2
5123GHG1	9/9/2015 8:03	40.8	36.6	0.8	21.8
5123GHG1	9/17/2015 7:47	38.0	35.1	0.7	26.2
5123GHG1	9/21/2015 7:49	37.7	34.7	0.7	26.9
5123GHG1	9/30/2015 12:56	40.6	36.5	0.6	22.3
5123GHG1	10/5/2015 12:27	37.4	34.6	0.4	27.6
5123GHG1	10/15/2015 12:11	38.4	37.0	0.6	24.0
5123GHG1	10/22/2015 13:05	37.8	36.3	0.5	25.4

Device ID	Date Time	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Balance % by Volume
5123GHG1	10/26/2015 12:15	38.9	35.6	0.4	25.1
5123GHG1	11/5/2015 11:38	36.4	35.0	0.4	28.2
5123GHG1	11/10/2015 13:03	37.3	36.6	0.8	25.3
5123GHG1	11/20/2015 10:40	37.5	35.0	1.1	26.4
5123GHG1	11/23/2015 12:07	38.4	35.0	0.8	25.8
5123GHG1	12/3/2015 12:30	39.2	35.9	0.9	24.0
5123GHG1	12/9/2015 13:02	39.2	35.4	0.9	24.5
5123GHG1	12/15/2015 9:52	35.9	36.1	1.1	26.9
5123GHG1	12/22/2015 12:01	39.8	35.9	1.0	23.3
5123GHG1	12/29/2015 13:12	44.4	37.9	1.0	16.7
5123GHG3	4/9/2015 9:49	42.1	33.6	2.6	21.7
5123GHG9	3/11/2015 8:08	46.5	35.4	2.1	16.0
5123GHG9	4/9/2015 8:06	46.3	36.6	1.9	15.2
5123GHG9	4/13/2015 8:02	45.5	36.6	1.7	16.2
5123GHG9	5/1/2015 7:46	45.3	36.7	1.9	16.1
5123GHG9	5/7/2015 10:23	47.8	38.3	1.3	12.6
5123GHG9	5/11/2015 7:32	46.3	36.9	1.4	15.4
5123GHG9	5/18/2015 8:03	47.0	37.0	1.6	14.4
5123GHG9	5/29/2015 7:55	47.3	37.0	1.7	14.0
5123GHG9	6/1/2015 9:35	48.6	36.8	1.6	13.0
5123GHG9	6/8/2015 8:41	44.8	35.7	2.2	17.3
5123GHG9	6/19/2015 8:30	45.6	35.6	2.0	16.8
5123GHG9	6/23/2015 8:47	46.0	36.2	1.5	16.3
5123GHG9	9/30/2015 12:42	43.7	35.5	1.5	19.3
5123GHG9	10/5/2015 12:12	45.0	35.4	1.8	17.8
5123GHG9	11/5/2015 12:15	47.9	37.0	1.7	13.4
Average		**42.5**	**36.0**	**1.3**	**20.2**

%= percent

CH_4= Methane

CO_2= Carbon dioxide

O_2= Oxygen

Flare 3 operates as a back-up flare to Flares 9 and 10.

Flares 9 and 10 operate as back-ups to the gas to energy plant.

5123GHG1: Flare 1 5123GHG3: Flare 3 5123GH10: Flare 10 5123GHG9: Flare 9

Note: Flare 8 did not operate for the duration of 2015 and was decommissioned in March 2015.

Sunshine Canyon Landfill
2015 WELLFIELD DEVIATION REPORT - PRESSURE EXCEEDANCES

REPORT PREPARED BY: Cornerstone
UPDATED DATE: 3/7/2016
LFG MONITORING DEVICE: GEM
MODEL: 2000.0
DATE LAST CALIBRATED: DAILY

Well ID	Date and Time	CH_4	CO_2	O_2	Balance	Static Press.	Temp.	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting
		(%)	(%)	(%)	(%)	("WC)	(°F)		Days
CGW00428	12/16/15 13:43	57.3	42.3	0.3	0.1	2.38	114.1	Comments:"INCREASED VACUUM,,,,,,,"	
CGW00428	12/16/15 13:46	56.1	41.7	0.8	1.4	-2.52	125.2	Comments:"NO CHANGE,,,,,,,"	**<1**
CGW00428 had a pressure exceedance detected on 12/16/2015. The well was adjusted and re-monitored on the same day and no further exceedance was detected.									
CGW00572	1/7/15 8:43	55.5	44.4	0.0	0.1	0.6	80	NO CHANGE; NSPS CAI; VALVE COMPLETELY CLOSED; +000	
CGW00572	1/9/15 13:14	56.0	43.8	0.2	0.0	-0.4	133.3	NSPS CAI; +0.0	**2**
CGW00572 had a pressure exceedance detected on 1/7/2015. The well was adjusted and re-monitored on 1/9/2015 and no further exceedance was detected.									
CGW00572	1/16/15 8:52	56.5	43.3	0.0	0.2	0.0	76	NSPS CAI; BARELY OPEN; +000.1	
CGW00572	1/20/15 11:01	55.8	43.1	0.0	1.1	-1.3	135	NSPS CAI; +0.0	**4**
CGW00572 had a pressure exceedance detected on 1/16/2015. The well was adjusted and re-monitored on 1/20/2015 and no further exceedance was detected.									
CGW00572	2/4/15 14:15	57.0	42.8	0.1	0.1	1.7	128	***Adjusted pressure readings;*** NSPS CAI; DECREASED VACUUM; VALVE COMPLETELY CLOSED; +000.0	
CGW00572	2/6/15 9:26	55.5	44.5	0.0	0.0	-0.4	116.1	INCREASED VACUUM; +11.0	**2**
CGW00572 had a pressure exceedance detected on 2/4/2015 at the adjusted pressure reading. The well was adjusted and re-monitored on 2/6/2015 and no further exceedance was detected.									
CGW00572	2/20/15 13:39	57.9	41.1	0.2	0.8	1.9	129	***Adjusted pressure reading;*** NO CHANGE; NSPS CAI; VALVE COMPLETELY CLOSED; +0	
CGW00572	2/20/15 13:54	58.4	41.2	0.2	0.2	-0.2	137	NSPS CAI; VALVE COMPLETELY CLOSED; +0	**<1**
CGW000572 had a pressure exceedance detected on 2/20/2015 at the adjusted pressure reading. The well was adjusted and re-monitored on the same day and no further exceedance was detected.									
CGW00691	10/6/15 13:38	57.0	42.9	0.0	0.1	6.8	113.0	NO CHANGE; NSPS CAI; +100.0	
CGW00691	10/15/15 8:42	53.6	46.4	0.0	0.0	-20.7	113.9	NO CHANGE; +100.0	**9**
CGW00691 had a pressure exceedance detected on 10/6/2015. The well was adjusted and was re-monitored on 10/15/2015 and no further exceedance was detected.									
CGW00692	10/20/15 13:46	56.6	43.2	0.0	0.2	3.5	107.0	NO CHANGE; NSPS CAI; +100.0	
CGW00692	10/21/15 10:02	56.3	43.7	0.0	0.0	3.1	105.5	+100.0;NO CHANGE;NSPS CAI	
CGW00692	10/23/15 7:44	54.8	45.2	0.0	0.0	-49.9	108.0	+100.0;NO CHANGE	**3**
CGW00692 had a pressure exceedance detected on 10/20/2015. The well was adjusted and was re-monitored on the same day and on the dates noted above, but the well remained in exceedance. The well was re-monitored on 10/23/2015 and no further exceedance was detected.									

CGW00695	12/2/15 7:54	58.4	41.5	0.0	0.1	0.00	86.0	Comments:"NSPS CAI,,,,,,"	
CGW00695	12/7/15 8:37	53.7	46.3	0.0	0.0	-54.99	107.3	Comments:"NO CHANGE,,,,,,"	**5**
CGW00695 had a pressure exceedance detected on 12/2/2015. The well was adjusted and re-monitored on 12/7/2015 and no further exceedance was detected.									
CGW00731	10/8/15 11:48	45.6	31.4	3.5	19.5	12.5	106.0	DECREASED VACUUM; NSPS CAI; +032.0	
CGW00731	10/15/15 8:24	55.8	43.9	0.3	0.0	-12.5	84.9	INCREASED VACUUM; +40.0	**7**
CGW00731 had a pressure exceedance detected on 10/8/2015. The well was adjusted and re-monitored on 10/15/2015, and no further exceedance was detected.									
CGW00737	12/2/15 8:07	58.7	41.1	0.0	0.2	4.40	67.0	Comments:"NSPS CAI,,,,,,"	
CGW00737	12/7/15 8:47	49.6	43.9	0.0	6.5	-38.51	117.2	Comments:"NO CHANGE,,,,,,"	**5**
CGW00737 had a pressure exceedance detected on 12/2/2015. The well was adjusted and re-monitored on 12/7/2015 and no further exceedance was detected.									
CGW00909	12/28/15 7:59	29.6	22.9	10.6	36.9	11.02	81.6	Comments:"NO CHANGE,NSPS CAI,,,,,,"	**15 (as of January 1, 2016)**
CGW00909 had a pressure exceedance detected on 12/28/2015. The well remains in exceedance.									
CGW0124S	2/6/15 9:45	3.2	15.8	6.2	74.8	0.0	88.8	***Adjusted pressure reading;*** NSPS CAI; +0.0	
CGW0124S	2/13/15 9:51	5.6	21.1	2.0	71.3	-4.2	78	NO CHANGE; BARELY OPEN; +001.0	**7**
CGW0124S had a pressure exceedance detected on 2/6/2015 at the adjusted pressure reading. The well was adjusted and re-monitored on 2/13/2015 and no further exceedance was detected.									
CGW0124S	3/9/15 14:45	3.8	18.9	6.6	70.7	0.0	87	***Adjusted pressure reading;*** NSPS CAI; DECREASED VACUUM; VALVE COMPLETELY CLOSED; +000.0	
CGW0124S	3/13/15 9:32	0.9	9.0	11.1	79.0	-1.0	80.4	NSPS CAI; NO CHANGE; 0.000000	**4**
CGW0124S had a pressure exceedance detected on 3/9/2015 at the adjusted pressure reading. The well was adjusted and re-monitored on 3/13/2015 and no further pressure exceedance was detected.									
CGW06054	2/20/15 13:06	6.6	4.4	18.0	71.0	0.0	75	NSPS CAI; BARELY OPEN; INCREASED VACUUM; +1	
CGW06054	3/2/15 8:23	31.6	23.5	8.7	36.2	-41.8	47	NO CHANGE; NSPS CAI; BARELY OPEN; +000.1	**10**
CGW06054 had a pressure exceedance detected on 2/20/2015. The well was adjusted and re-monitored on 3/2/2015 and no further exceedance was detected.									
GW000164	5/28/15 10:14	0.5	0.4	20.1	79.0	9.7	75	NO CHANGE; NSPS CAI; +100.0	
GW000164	6/1/15 7:27	57.7	41.8	0.4	0.1	-50.9	119	NO CHANGE; +100.0	**4**
GW000164 had a pressure exceedance detected on 5/28/2015. The well was adjusted and re-monitored on 6/1/2015 and no further exceedance was detected.									
GW000524	10/26/15 13:44	29.8	28.8	0.8	40.6	3.30	102.0	Comments:"DECREASED VACUUM,VALVE	
GW000524	11/4/15 8:40	38.4	35.2	0.7	25.7	-1.95	90.8	Comments:"NO CHANGE"	**9**
GW000524 had a pressure exceedance detected on 10/26/2015. The well was adjusted and was re-monitored on 11/4/2015 and no further exceedance was detected.									
GW000592	11/9/15 7:55	54.0	41.2	0.0	4.8	0.00	56.0	Comments:"INCREASED VACUUM,NSPS CAI"	
GW000592	11/17/15 9:32	36.6	34.8	0.0	28.6	-0.30	87.0	Comments:"NO CHANGE"	**8**
GW000592 had a pressure exceedance detected on 11/9/2015. The well was adjusted and was re-monitored on 11/17/2015 and no further exceedance was detected.									
GW000616	2/6/15 9:16	51.3	38.2	1.7	8.8	2.5	74	NO CHANGE; NSPS CAI; +001.0	
GW000616	2/11/15 8:58	0.8	3.1	19.3	76.8	-48.1	74	NSPS CAI; VALVE COMPLETELY CLOSED; +0	**5**
GW000616 had pressure exceedance detected on 2/6/2015. The well was adjusted and re-monitored on 2/11/2015 and no further exceedance was detected.									

GW000622	1/30/15 10:09	39.7	36.8	4.9	18.6	1.1	65	NO CHANGE; NSPS CAI; +001.0	
GW000622	2/6/15 8:48	28.4	22.6	10.1	38.9	-2.1	67	NO CHANGE; NSPS CAI; +001.0	**7**
GW000622 had a pressure exceedance detected on 1/30/2015. The well was adjusted and re-monitored on 2/6/2015 and no further exceedance was detected.									
GW000622	3/13/15 8:44	58.2	41.3	0.0	0.5	1.5	72	NO CHANGE; NSPS CAI; +001.0	
GW000622	3/23/15 14:42	31.5	18.5	9.7	40.3	-58.3	86	NO CHANGE; NSPS CAI; VALVE COMPLETELY CLOSED; +000.0	**10**
GW000622 had a pressure exceedance detected on 3/13/2015. The well was adjusted and re-monitored on 3/23/2015 and no further exceedance was detected.									
GW000623	1/23/15 12:29	54.6	45.2	0.0	0.2	9.9	73	NO CHANGE; NSPS CAI; +001.0	
GW000623	1/27/15 8:44	35.8	25.6	8.0	30.6	-5.4	59	NO CHANGE; NSPS CAI; BARELY OPEN; BLOCKAGE; +1	**4**
GW000623 had a pressure exceedance detected on 1/23/2015. The well was adjusted and re-monitored on 1/27/2015 and no further exceedance was detected.									
GW000624	1/23/15 12:26	33.4	23.9	8.5	34.2	16.3	71	NO CHANGE; NSPS CAI; +001.0	
GW000624	1/27/15 9:09	30.4	23.3	9.8	36.5	0.9	60	NSPS CAI; BARELY OPEN; INCREASED VACUUM; +2	
GW000624	1/30/15 8:37	0.4	0.4	20.8	78.4	-1.1	59	NO CHANGE; NSPS CAI; +001.0	**7**
GW000624 had a pressure exceedance detected on 1/23/2015. The well was adjusted and re-monitored on the dates noted above, but the well remained in exceedance. The well was re-monitored on 1/30/2015 and no further exceedance was detected.									
GW000628	10/12/15 8:28	47.0	36.6	0.0	16.4	0.0	80.0	+005.0;INCREASED VACUUM;NSPS CAI	
GW000628	10/15/15 10:10	23.4	31.5	0.0	45.1	-0.6	102.2	+0.0;NO CHANGE;SURGING IN HEADER	**3**
GW000628 had a pressure exceedance detected on 10/12/2015. The well was adjusted and re-monitored on 10/15/2015 and no further exceedance was detected.									
GW000667	3/9/15 7:42	52.3	44.6	0.0	3.1	0.0	105	INCREASED VACUUM; NSPS CAI; +005.0	
GW000667	3/9/15 7:42	52.3	44.6	0.0	3.1	-0.7	105	***Adjusted pressure reading;*** INCREASED VACUUM; NSPS CAI; +005.0	**<1**
GW000667 had a pressure exceedance detected on 3/9/2015. The well was adjusted on the same day and no further exceedance was detected.									
GW000670	5/29/15 9:48	35.6	32.7	0.0	31.7	0.0	106	DECREASED VACUUM; VALVE COMPLETELY CLOSED; NSPS CAI; +000.0	
GW000670	6/1/15 8:09	38.0	31.2	4.5	26.3	-0.1	56	NO CHANGE; +000.0	**3**
GW000670 had a pressure exceedance detected on 5/29/2015. The well was adjusted and re-monitored on 6/1/2015 and no further exceedance was detected.									
GW000707	12/26/14 11:53	58	41.9	0.0	0.1	8.7	63	NO CHANGE; NSPS CAI; BLOCKAGE; +025.0	
GW000707	12/29/14 13:23	58.5	41.4	0.0	0.1	10.9	64	NO CHANGE; NSPS CAI; VALVE FULLY OPEN; +100	
GW000707	1/2/15 9:08	57.8	42.1	0.0	0.1	9.5	51	NO CHANGE; NSPS CAI; +025.0	
GW000707	1/29/15 10:38	40.5	30.5	5.6	23.4	-26.2	68	NSPS CAI; DECREASED VACUUM; BARELY OPEN; +001.0	**34**
GW000707 had a pressure exceedance detected on 12/26/2014. The well was adjusted and re-monitored on the dates noted above, but the well remained in exceedance. The well was re-monitored on 1/29/2015 and no further exceedance was detected.									

GW000758	11/23/15 9:37	57.9	42.1	0.0	0.0	2.97	96.4	Comments:"NO CHANGE,NSPS CAI"	
GW000758	12/1/15 8:20	56.4	43.6	0.0	0.0	2.74	78.5	Comments:"NO CHANGE,NSPS CAI,,,,,,"	
GW000758	12/7/15 9:42	55.3	44.7	0.0	0.0	2.39	94.6	Comments:"NO CHANGE,NSPS CAI,,,,,,"	
GW000758	12/9/15 8:03	55.2	44.8	0.0	0.0	-47.94	72.7	Comments:"NO CHANGE,,,,,,,"	**16**
GW000758 had a pressure exceedance detected on 11/23/2015. The well was adjusted and re-monitored on the dates noted above, but the well remained in exceedance. The well was re-monitored on 12/9/2015 and no further exceedance was detected.									
GW000774	5/29/15 10:09	27.6	31.0	0.0	41.4	0.0	112	DECREASED VACUUM; VALVE COMPLETELY CLOSED; NSPS CAI; +000.0	
GW000774	6/1/15 8:03	50	42.7	0.1	7.2	-0.2	64	NO CHANGE; +001.0	**3**
GW000774 had a pressure exceedance detected on 5/29/2015. The well was adjusted and re-monitored on 6/1/2015 and no further exceedance was detected.									
GW000777	5/29/15 9:22	37.4	34.8	0.0	27.8	0.0	81	DECREASED VACUUM; VALVE COMPLETELY CLOSED; NSPS CAI; +000.0	
GW000777	6/1/15 8:20	46.5	39.4	0.0	14.1	-0.2	62	NO CHANGE; +001.0	**3**
GW000777 had a pressure exceedance detected on 5/29/2015. The well was adjusted and re-monitored on 6/1/2015 and no further exceedance was detected.									
GW000781	12/24/15 10:02	57.1	39.0	0.9	3.0	0.50	55.0	Comments:"NO CHANGE,WATER IN,,,,,,"	
GW000781	12/28/15 8:25	38.7	35.5	2.3	23.5	-6.50	112.6	Comments:"DECREASED VACUUM,,,,,,,"	**4**
GW000781 had a pressure exceedance detected on 12/24/2015. The well was adjusted and re-monitored on 12/28/2015 and no further exceedance was detected.									
GW000784	5/29/15 9:55	37.4	35.1	0.0	27.5	0.0	105	DECREASED VACUUM; VALVE COMPLETELY CLOSED; NSPS CAI; +000.0	
GW000784	6/1/15 8:15	38.1	35.4	0.0	26.5	-0.2	88	NO CHANGE; +000.0	**3**
GW000784 had a pressure exceedance detected on 5/29/2015. The well was adjusted and re-monitored on 6/1/2015 and no further exceedance was detected.									
GW000790	4/6/15 13:56	54.4	45.5	0.0	0.1	0.0	125	NO CHANGE; BARELY OPEN; NSPS CAI; +000.1	
GW000790	4/14/15 15:45	56.4	43.5	0.0	0.1	-0.3	128	NO CHANGE; BARELY OPEN; +001.0	**8**
GW000790 had a pressure exceedance detected on 4/6/2015. The well was adjusted and re-monitored on 4/14/2015 and no further exceedance was detected.									
GW000802	1/27/15 9:38	57.8	42.1	0	0.1	7.4	76	NO CHANGE; NSPS CAI; +020.0	
GW000802	1/30/15 9:14	58.5	41.4	0	0.1	-41.7	80	NO CHANGE; +100.0	**3**
GW000802 had a pressure exceedance detected on 1/27/2015. The well was adjusted and re-monitored on 1/30/2015 and no further exceedance was detected.									
GW000803	11/21/14 13:35	59.0	40.9	0.0	0.1	4.9	119	NO CHANGE; NSPS CAI; +035.0	
GW000803	11/25/14 9:20	58.7	40.8	0.3	0.2	5.0	115	NO CHANGE; NSPS CAI; +040.0	
GW000803	11/28/14 10:03	58.5	41.4	0.0	0.1	6.2	111	NO CHANGE; NSPS CAI; BLOCKAGE; +040.0	
GW000803	12/11/14 12:46	59.0	40.9	0.0	0.1	9.6	115	NO CHANGE; NSPS CAI; +100.0	
GW000803	12/15/14 9:37	65.7	34.2	0.0	0.1	11.7	60	NO CHANGE; NSPS CAI; +100.0	
GW000803	12/26/14 13:01	58.7	41.2	0.0	0.1	11.6	115	NO CHANGE; +100.0	
GW000803	12/29/14 13:15	59.4	40.5	0.0	0.1	16.7	67	NO CHANGE; NSPS CAI; VALVE FULLY OPEN; +100.0	**64**
GW000803 had a pressure exceedance detected on 11/21/2014. The well was re-monitored on the dates noted above, but the well remained in exceedance. The well was decommissioned in January 2015, refer to Appendix G for further details.									

GW000810	1/27/15 9:34	56.9	43	0	0.1	1.4	63	NSPS CAI; VALVE COMPLETELY CLOSED; +000.0	
GW000810	1/30/15 10:02	48	39.8	0	12.2	-3.4	78	NO CHANGE; +020.0	**3**
GW000810 had a pressure exceedance detected on 1/27/2015. The well was adjusted and re-monitored on 1/30/2015 and no further exceedance was detected.									
GW000811	9/25/15 13:20	58.4	41.5	0.0	0.1	9.4	109.0	NO CHANGE; NSPS CAI; +100.0	
GW000811	10/1/15 9:26	57.1	42.9	0.0	0.0	11.5	80.6	NO CHANGE; NSPS CAI; +100.0	
GW000811	10/15/15 7:50	56.5	43.4	0.0	0.1	4.4	83.0	NO CHANGE; BARELY OPEN; BLOCKAGE; NSPS CAI; +001.0	
GW000811	10/21/15 11:31	56.7	43.3	0.0	0.0	0.9	84.0	+100.0;NSPS CAI;VALVE FULLY OPEN	
GW000811	10/23/15 8:38	58.6	41.2	0.1	0.1	11.7	80.9	+0.0;NO CHANGE;NSPS CAI	
GW000811	10/28/15 14:06	54.5	41.1	0.8	3.6	-43.5	98.4	Comments:"INCREASED VACUUM,,,,,,,"	**34**
GW000811 had a pressure exceedance detected on 9/25/2015. The well was adjusted and re-monitored on the dates noted above, but the well remained in exceedance. The well was re-monitored on 10/28/2015 and no further exceedance was detected.									
GW000812	9/25/15 13:26	58.0	41.9	0.0	0.1	4.1	111.0	NO CHANGE; NSPS CAI; +100.0	
GW000812	10/1/15 9:23	57.9	42.1	0.0	0.0	8.9	84.5	NO CHANGE; NSPS CAI; +100.0	
GW000812	10/15/15 7:43	57.5	42.4	0.0	0.1	2.4	77.0	NO CHANGE; VALVE FULLY OPEN; BLOCKAGE; NSPS CAI; +100.0	
GW000812	10/21/15 11:38	57.9	41.3	0.0	0.8	-6.5	95.6	+100.0;NO CHANGE;VALVE FULLY OPEN	**26**
GW000812 had a pressure exceedance detected on 9/25/2015. The well was adjusted and re-monitored on the dates noted above, but the well remained in exceedance. The well was re-monitored on 10/21/2015 and no further exceedance was detected.									
GW000815	11/25/15 10:18	55.1	41.2	0.0	3.7	0.30	66.0	Comments:"NO CHANGE,BLOCKAGE,WATER IN,NSPS CAI"	
GW000815	12/1/15 8:48	48.1	44.2	0.1	7.6	-2.79	111.5	Comments:"INCREASED VACUUM,SURGING IN	**6**
GW000815 had a pressure exceedance detected on 11/25/2015. The well was adjusted and re-monitored on 12/1/2015 and no further exceedance was detected.									
GW000816	1/13/15 9:06	53.6	46.3	0.0	0.1	0.5	75	NO CHANGE; NSPS CAI; +100.0	
GW000816	1/16/15 10:10	46.8	53.1	0.0	0.1	2.1	73	NO CHANGE; NSPS CAI; +100.0	
GW000816	1/23/15 8:21	42.2	57.7	0.0	0.1	-18.2	114	NO CHANGE; +070.0	**17**
GW000816 had a pressure exceedance detected on 1/13/2015. The well was adjusted and re-monitored on 1/16/2015, but the well remained in exceedance. The well was adjusted and re-monitored on 1/23/2015 and no further exceedance was detected.									
GW006003	11/6/14 9:49	51.3	42.6	0.0	6.1	13.4	79	NO CHANGE; NSPS CAI; BLOCKAGE; +045.0	
GW006003	11/7/14 9:45	59.2	40.7	0.0	0.1	4.9	93	NO CHANGE; NSPS CAI; +045.0	
GW006003	11/14/14 9:13	61.4	38.5	0.0	0.1	13.6	67	NO CHANGE; NSPS CAI; +050.0	
GW006003	11/21/14 8:55	62.8	37.1	0.0	0.1	13.9	64	NO CHANGE; NSPS CAI; +100.0	
GW006003	11/28/14 9:38	70.8	29.1	0.0	0.1	15.5	85	NSPS CAI; NO CHANGE; BLOCKAGE; +100.0	
GW006003	12/11/14 9:27	57.5	42.4	0.0	0.1	17.2	58	NO CHANGE; NSPS CAI; +100.0	
GW006003	12/11/14 9:27	57.5	42.4	0.0	0.1	17.2	58	***Adjusted pressure reading;*** NO CHANGE; NSPS CAI; +100.0	
GW006003	12/26/14 11:47	64.6	35.3	0.0	0.1	18.4	64	NO CHANGE; NSPS CAI; VALVE FULLY OPEN; BLOCKAGE; +100.0	

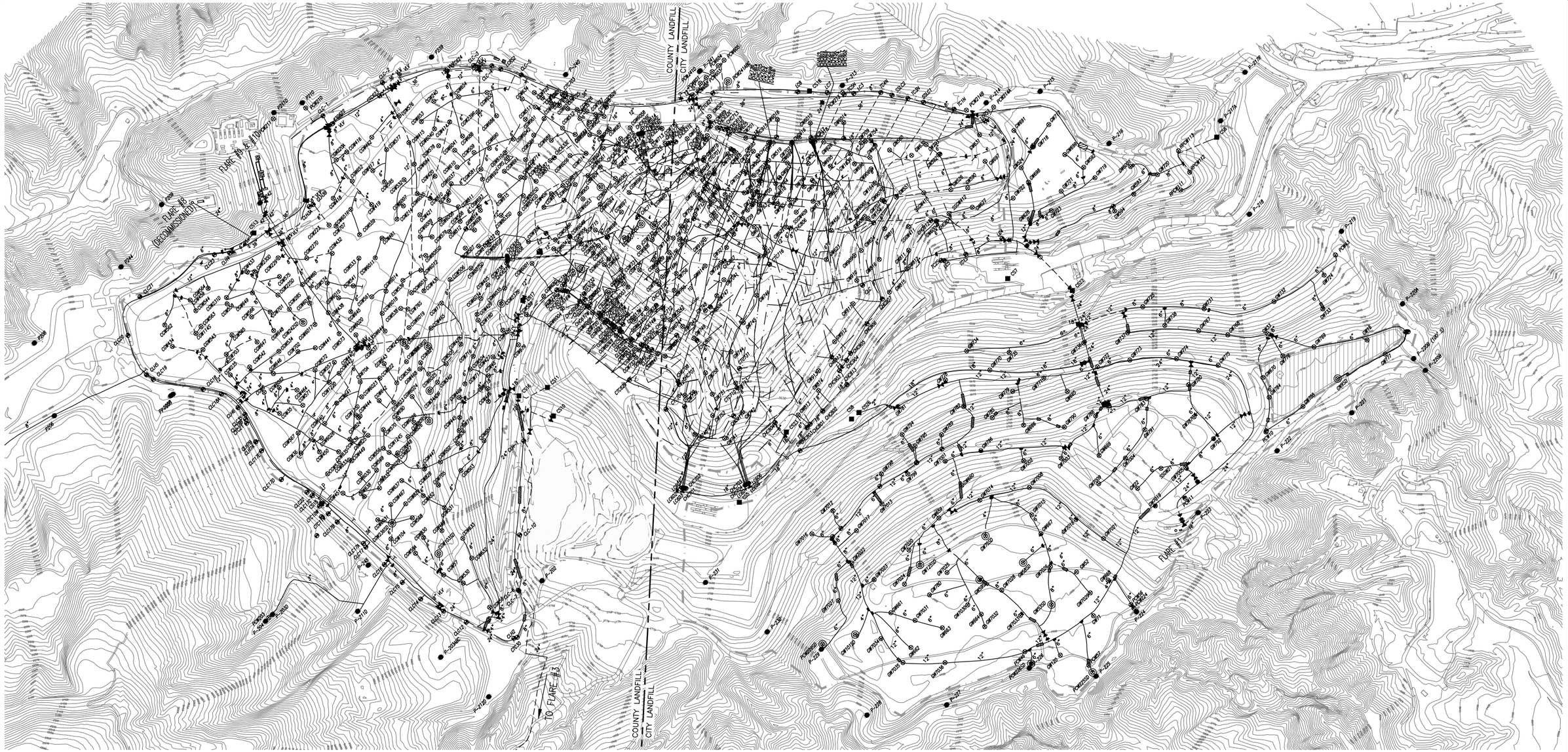
GW006003	3/5/15 14:20	39.9	25.1	6.8	28.2	-29.9	77	NO CHANGE; NSPS CAI; BARELY OPEN; +000.1	**118**
GW006003 had a pressure exceedance detected on 11/6/2014. The well was adjusted and re-monitored on the dates noted above, but the well remains in exceedance. The well was not monitored in January and February 2015, as it was inaccessible. The well was re-monitored on 3/5/2015 and no further exceedance was detected.									
GW007001	12/21/15 14:02	52.0	47.9	0.0	0.1	0.00	126.0	Comments:"NO CHANGE,NSPS CAI,,,,,,"	
GW007001	12/28/15 8:32	51.9	48.1	0.0	0.0	-0.44	57.7	Comments:"INCREASED VACUUM,,,,,,,"	**7**
GW007001 had a pressure exceedance detected on 12/21/2015. The well was adjusted and was re-monitored on 12/28/2015, and no further exceedance was detected.									
GW007009	2/11/15 9:20	51.4	46.7	0.0	1.9	0.0	76	NSPS CAI; INCREASED VACUUM; +005.0	
GW007009	2/11/15 9:20	51.4	46.7	0.0	1.9	-0.2	76	***Adjusted pressure reading;*** NSPS CAI; INCREASED VACUUM; +005.0	**<1**
GW007009 had a pressure exceedance detected on 2/11/2015. The well was adjusted and re-monitored on the same day and no further exceedance was detected.									
GW007009	4/6/15 10:23	49.0	42.4	0.0	8.6	0.0	84	INCREASED VACUUM; NSPS CAI; +007.0	
GW007009	4/14/15 15:38	42.7	38.2	0.1	19.0	-0.2	101	NO CHANGE; +015.0	**8**
GW007009 had a pressure exceedance detected on 4/6/2015. The well was adjusted and re-monitored on 4/14/2015 and no further exceedance was detected.									
GW007020	3/9/15 14:22	52.0	44.0	0.0	4.0	0.0	111	INCREASED VACUUM; NSPS CAI; +015.0	
GW007020	3/9/15 14:22	52.0	44.0	0.0	4.0	-0.3	111	***Adjusted pressure reading;*** INCREASED VACUUM; NSPS CAI; +015.0	**<1**
GW007020 had a pressure exceedance detected on 3/9/2015. The well was adjusted on the same day and no further exceedance was detected.									
GW007034	3/9/15 12:58	44.3	36.0	0.0	19.7	0.0	80	NSPS CAI; +000.0	
GW007034	3/9/15 12:58	44.3	36.0	0.0	19.7	-0.1	80	***Adjusted pressure reading;*** NSPS CAI; +000.0	**<1**
GW007034 had a pressure exceedance detected on 3/9/2015. The well was adjusted on the same day and no further exceedance was detected.									

GEM 5000 used for wells with temperature readings to the tenths, all other readings obtained by GEM 2000.

NSPS= New Source Performance Standards CAI= Corrective action initiated Comments in ***bold*** added by Cornerstone

ATTACHMENT A

AS-BUILT AND TOPOGRAPHIC MAPS



LEGEND

	APPROXIMATE SAGE AREA LIMITS
	APPROXIMATE COUNTY LINE
	APPROXIMATE LIMITS OF LINER
	APPROXIMATE LIMITS OF UNLINED WASTE
1400	EXISTING 10' CONTOUR
12"	EXISTING LFG HEADER – ABOVEGROUND
	EXISTING LFG HEADER – BELOWGROUND
	EXISTING HORIZONTAL COLLECTOR
CGW6023	EXISTING LFG EXTRACTION WELL
CGW671	EXISTING LFG EXTRACTION WELL WITH PUMP
CGW242SD	EXISTING DUAL CASING WELL
CGW672SD	EXISTING DUAL CASING WELL WITH PUMP
PCW203	EXISTING PROBE CONTROL COLLECTOR WELLHEAD
	EXISTING REMOTE WELLHEAD
	EXISTING HEADER ACCESS RISER
CLH7A CLC506	EXISTING COUNTY LINER COLLECTOR WELLHEAD
CHC605W	EXISTING COUNTY HORIZONTAL COLLECTOR WELLHEAD
DWW1	EXISTING DEWATERING WELL
CTC622	EXISTING COUNTY TRENCH COLLECTOR WELLHEAD
LC6	EXISTING CITY LINER COLLECTOR WELLHEAD
TC5	EXISTING CITY TRENCH COLLECTOR WELLHEAD
	EXISTING CONTROL VALVE
	EXISTING BLIND FLANGE
	EXISTING FLANGE CONNECTION
	EXISTING REDUCER FITTING
DL–	EXISTING CONDENSATE DRIPLEG
CS–	EXISTING CONDENSATE PUMP STATION
P–	EXISTING GAS MONITORING PROBE
LCRS	EXISTING LEACHATE CLEANOUT RISER

N

0 300 600
SCALE IN FEET

NOTES:
1. THE TOPOGRAPHIC BASE MAP WAS PROVIDED BY REPUBLIC SERVICES, INC. ON APRIL 2, 2015. SUPPLEMENTAL SURVEYS PREPARED BY PINNACLE LAND SURVEYING, INC.: DATED JULY 2, JULY 31, SEPTEMBER 2, OCTOBER 2, OCTOBER 31, NOVEMBER 2, NOVEMBER 9, DECEMBER 1, 2015, AND FEBRUARY 1, 2016.
2. THE GCCS AS-BUILT WAS PROVIDED BY BAS, DATED DECEMBER 23, 2014 AND INCLUDES SUPPLEMENTAL AS-BUILT INFORMATION PROVIDED BY PINNACLE LAND SURVEYING, INC. IN GCCS AS-BUILT FILE DATED JANUARY 31, SEPTEMBER 8, OCTOBER 1, 2015, JANUARY 22, AND FEBRUARY 22, 2016.

DRAFT-AS BUILT

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE 2/25/2016	DRAWN BY RAW; DESIGNED BY CGCK			CHECKED BY PJS; APPROVED BY MED	

cornerstone environmental

PREPARED BY:
CORNERSTONE ENVIRONMENTAL GROUP, LLC

SUNSHINE CANYON LANDFILL
LOS ANGELES COUNTY, CALIFORNIA

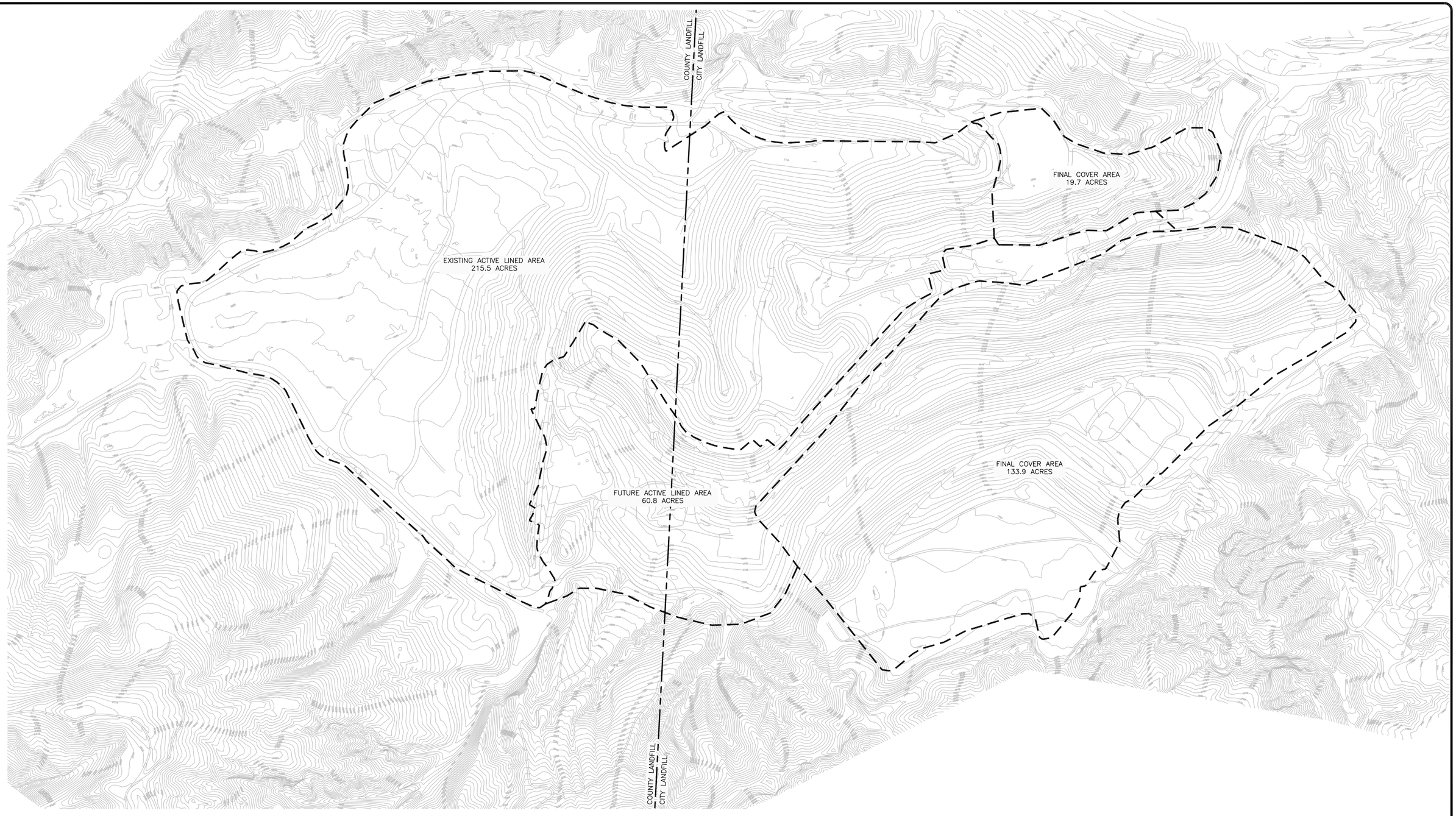
GCCS AS-BUILT SITE PLAN

SHEET NO. 1

PROJECT NO. 160240

1" 1/2" 0" 1"

File: X:\PROJECTS\SUNSHINE CANYON\ARET\DUSIANOS_2015_GCCS-2.dwg Layout: SHT 1 User: russell.williams Feb 25, 2016 - 2:01pm



N

0 300 600

SCALE IN FEET

TOTAL EXISTING WASTE FOOTPRINT:	369.1 ACRES
TOTAL APPROVED PLUS CLOSED FOOTPRINT:	429.9 ACRES
TOTAL AREA WITH FINAL COVER – NO GEOMEMBRANE:	153.6 ACRES
PERCENTAGE WITH FINAL COVER:	
–OF EXISTING WASTE FOOTPRINT	42%
–OF APPROVED PLUS CLOSED FOOTPRINT	36%

NOTE:
1. THE COMPILED TOPOGRAPHIC MAP WAS PROVIDED BY REPUBLIC SERVICES, INC. ON APRIL 9, 2014.

DRAFT

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 2/27/2015
DRAWN BY CGCK
DESIGNED BY CGCK
CHECKED BY PJS
APPROVED BY MED

cornerstone environmental

PREPARED BY:
CORNERSTONE ENVIRONMENTAL GROUP, LLC

SUNSHINE CANYON LANDFILL
LOS ANGELES COUNTY, CALIFORNIA

TOPOGRAPHIC MAP
FINAL COVER AND LINED AREAS

SHEET NO. **1**
PROJECT NO. 150060

1" 1/2" 0" 1"

File: X:\PROJECTS\SUNSHINE CANYON\COMPLIANCE\As-Built\2015 As-Built.dwg Layout: TOPO User: Christian Kotlowski Feb 27, 2015 - 11:02am

ATTACHMENT B

2015 WELLFIELD SSM LOG

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: Wellfield

SUNSHINE CANYON LANDFILL, Sylmar, California

SSMP REPORT - From January 1, 2015 through December 31, 2015

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW006003*		11/6/14 9:49	11/6/14 9:51	0.03	2,860.52 hours	Well disconnected due to excavation, active fill and/or construction activities.	11/6/2014	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW006003*		3/5/15 14:20	3/5/15 14:22	0.03			3/5/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000620*		12/22/14 12:13	12/22/14 12:15	0.03	1,897.88 hours	Well disconnected due to excavation, active fill and/or construction activities.	12/22/2014	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000620*		3/11/15 14:06	3/11/15 14:08	0.03			3/11/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000164*		1/13/15 13:39	1/13/15 13:41	0.03	2,063.97 hours	Well disconnected due to excavation, active fill and/or construction activities.	1/13/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000164*		4/9/15 13:37	4/9/15 13:39	0.03			4/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000803**		1/23/15	1/23/15	0.03		Vertical well decommissioned; Subject to New Source Performance Standards (NSPS).	1/23/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000806**		1/23/15	1/23/15	0.03		Vertical well decommissioned; Subject to NSPS.	1/23/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000726*		1/27/15 9:59	1/27/15 10:01	0.03	8,126.02 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	1/27/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000727*		1/27/15 10:06	1/27/15 10:08	0.03	8,125.90 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	1/27/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00901		1/27/15 13:08	1/27/15 13:10	0.03		Horizontal Collector Decommissioned; Not Subject to NSPS.	1/27/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00902		1/29/15 11:00	1/29/15 11:02	0.03		Horizontal Collector Decommissioned; Not Subject to NSPS.	1/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CHC00903		2/25/15 12:43	2/25/15 12:45	0.03		Horizontal collector Started-up; Not subject to New Source Performance Standards (NSPS).	2/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00904		2/25/15 12:56	2/25/15 12:58	0.03		Horizontal collector Started-up; Not subject to NSPS.	2/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00905		2/25/15 13:05	2/25/15 13:07	0.03		Horizontal collector Started-up; Not subject to NSPS.	2/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00906		2/25/15 13:16	2/25/15 13:18	0.03		Horizontal collector Started-up; Not subject to NSPS.	2/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00907		2/25/15 13:24	2/25/15 13:26	0.03		Horizontal collector Started-up; Not subject to NSPS.	2/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CTC00738*		2/26/15 11:30	2/26/15 11:32	0.03		Trench Collector Decommissioned; Not subject to New Source Performance Standards (NSPS).	2/26/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000805*		3/6/13 12:30	3/6/13 12:32	0.03		Vertical well decommissioned; subject to New Source Performance Standards (NSPS).	3/6/2013	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW006002*		3/6/13 13:20	3/6/13 13:22	0.03		Vertical well decommissioned; subject to NSPS.	3/6/2013	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000620*		3/11/15 14:06	3/11/15 14:08	0.03	7,089.90 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	3/11/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000901*		4/28/15 7:23	4/28/15 7:25	0.03		Vertical well started-up; Subject to new source performance standards (NSPS).	4/28/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000747*		4/29/15 9:10	4/29/15 9:12	0.03	5,711.18 hours	Well disconnected due to excavation, active fill and/or construction activities.	4/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000747*		12/23/15 8:21	12/23/15 8:23	0.03			12/23/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000749*		5/28/15 8:19	5/28/15 8:21	0.03	1,150.97 hours	Well disconnected due to excavation, active fill and/or construction activities.	5/28/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:		7/15/15 7:17	7/15/15 7:19	0.03			7/15/2015	X	Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00806*		5/28/15 8:22	5/28/15 8:24	0.03	1,151.72 hours	Well disconnected due to excavation, active fill and/or construction activities.	5/28/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:		7/15/15 8:05	7/15/15 8:07	0.03			7/15/2015	X	Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000744*		5/28/15 8:28	5/28/15 8:30	0.03	1,151.07 hours	Well disconnected due to excavation, active fill and/or construction activities.	5/28/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:		7/15/15 7:32	7/15/15 7:34	0.03			7/15/2015	X	Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000750*		5/28/15 8:32	5/28/15 8:34	0.03		Well disconnected due to excavation, active fill and/or construction activities.	5/28/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000742*		6/1/15 7:03	6/1/15 7:05	0.03	1,056.92 hours	Well disconnected due to excavation, active fill and/or construction activities.	6/1/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000742*		7/15/15 7:58	7/15/15 8:00	0.03			7/15/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0603R*		6/2/15 13:24	6/2/15 13:26	0.03		Vertical well started-up; Subject to new source performance standards (NSPS).	6/2/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0516R*		6/2/15 13:55	6/2/15 13:57	0.03		Vertical well started-up; Subject to NSPS.	6/2/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0711R*		6/2/15 14:10	6/2/15 14:12	0.03		Vertical well started-up; Subject to NSPS.	6/2/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0124S*		6/3/15 14:30	6/3/15 14:32	0.03		Vertical well decommissioned; Subject to NSPS.	6/3/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000519*		6/9/15 8:57	6/9/15 8:59	0.03	1,537.05 hours	Well disconnected due to excavation, active fill and/or construction activities.	6/9/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000519*		8/12/15 10:00	8/12/15 10:02	0.03			8/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000521*		6/9/15 8:46	6/9/15 8:48	0.03	1,540.08 hours	Well disconnected due to excavation, active fill and/or construction activities.	6/9/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000521*		8/12/15 12:51	8/12/15 12:53	0.03			8/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000902*		6/12/15 10:44	6/12/15 10:46	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000903*		6/12/15 10:57	6/12/15 10:59	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00902*		6/12/15 12:47	6/12/15 12:49	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CGW00904*		6/12/15 13:11	6/12/15 13:13	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00905*		6/12/15 13:16	6/12/15 13:18	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00906*		6/12/15 13:20	6/12/15 13:22	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000907*		6/12/15 14:02	6/12/15 14:04	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000908*		6/12/15 14:11	6/12/15 14:13	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CGW00907*		6/12/15 14:36	6/12/15 14:38	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00908*		6/12/15 14:42	6/12/15 14:44	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00909*		6/12/15 14:46	6/12/15 14:48	0.03		Vertical well started-up; Subject to NSPS.	6/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW00164R*		7/1/15 11:04	7/1/15 11:06	0.03		Vertical well started-up; Subject to NSPS.	7/1/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0541R*		7/1/15 12:50	7/1/15 12:52	0.03		Vertical well started-up; Subject to new source performance standards (NSPS).	7/1/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CHC00601*		7/9/15 10:20	7/9/15 10:22	0.03	2,184.73 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/9/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00601		10/8/15 11:04	10/8/15 11:06	0.03			10/8/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000723*		7/13/15 12:57	7/13/15 12:59	0.03	1,775.82 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/13/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000723*		9/25/15 12:46	9/25/15 12:48	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000628*		7/13/15 13:01	7/13/15 13:03	0.03	1,775.80 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/13/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000628*		9/25/15 12:49	9/25/15 12:51	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000593*		7/13/15 13:12	7/13/15 13:14	0.03	1,771.15 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/13/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000593*		9/25/15 8:21	9/25/15 8:23	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000594*		7/13/15 13:17	7/13/15 13:19	0.03	1,771.15 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/13/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000594*		9/25/15 8:26	9/25/15 8:28	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000913*		7/14/15 7:45	7/14/15 7:47	0.03		Vertical well started-up; Subject to NSPS.	7/14/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000912*		7/14/15 7:51	7/14/15 7:53	0.03		Vertical well started-up; Subject to NSPS.	7/14/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000911*		7/14/15 7:56	7/14/15 7:58	0.03		Vertical well started-up; Subject to NSPS.	7/14/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000910*		7/14/15 8:01	7/14/15 8:03	0.03		Vertical well started-up; Subject to NSPS.	7/14/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW00164R*		7/16/15 8:38	7/16/15 8:40	0.03	2,449.07 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/16/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW00164R		10/26/15 9:42	10/26/15 9:44	0.03			10/26/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000616*		7/16/15 11:33	7/16/15 11:35	0.03		Vertical well decommissioned; Subject to NSPS.	7/16/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW00909*		7/17/15 12:50	7/17/15 12:52	0.03		Vertical well started-up; Subject to NSPS.	7/17/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC0605W**		7/21/15 9:52	7/21/15 9:54	0.03	1,055.42 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/21/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC0605W**		9/3/15 9:17	9/3/15 9:19	0.03			9/3/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: TC00002S**		7/28/15 14:10	7/28/15 14:12	0.03	1,535.57 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/28/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: TC00002S**		9/30/15 13:44	9/30/15 13:46	0.03			9/30/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: LC000005**		7/29/15 8:36	7/29/15 8:38	0.03	1,396.90 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: LC000005**		9/25/15 13:30	9/25/15 13:32	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000812**		7/29/15 8:40	7/29/15 8:42	0.03	1,396.77 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000812**		9/25/15 13:26	9/25/15 13:28	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000811**		7/29/15 8:46	7/29/15 8:48	0.03	1,396.57 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000811**		9/25/15 13:20	9/25/15 13:22	0.03			9/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: SSGW0411**		7/29/15 8:53	7/29/15 8:55	0.03	1,009.58 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: SSGW0411**		9/9/15 10:28	9/9/15 10:30	0.03			9/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000551*		7/29/15 10:31	7/29/15 10:33	0.03	1,370.78 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000551*		9/24/15 13:18	9/24/15 13:20	0.03			9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000816**		7/29/15 10:40	7/29/15 10:42	0.03	1,371.15 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000816**		9/24/15 13:49	9/24/15 13:51	0.03			9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000815**		7/29/15 12:28	7/29/15 12:30	0.03	1,005.63 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/29/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000815**		9/9/15 10:06	9/9/15 10:08	0.03			9/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000817**		7/31/15 13:29	7/31/15 13:31	0.03	1,320.17 hours	Well disconnected due to excavation, active fill and/or construction activities.	7/31/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000817**		9/24/15 13:39	9/24/15 13:41	0.03			9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:GW000904*		8/6/15 11:24	8/6/15 11:26	0.03		Vertical well started up. Subject to NSPS.	8/6/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00806*		8/12/15 14:00	8/12/15 14:02	0.03	2,468.05 hours	Well disconnected due to excavation, active fill and/or construction activities.	8/12/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00806*		11/23/15 10:03	11/23/15 10:05	0.03			11/23/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000745*		8/12/15 14:00	8/12/15 14:02	0.03	3,186.52 hours	Well disconnected due to excavation, active fill and/or construction activities.	8/12/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000745*		12/23/15 8:31	12/23/15 8:33	0.03			12/23/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000746*		8/12/15 14:00	8/12/15 14:02	0.03	3,186.90 hours	Well disconnected due to excavation, active fill and/or construction activities.	8/12/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000746*		12/23/15 8:54	12/23/15 8:56	0.03			12/23/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000748*		8/12/15 14:00	8/12/15 14:02	0.03	3,394.00 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	8/12/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00581*		8/24/15 15:00	8/24/15 15:02	0.03		Vertical well decommissioned; Subject to NSPS.	8/24/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00704*		9/9/15 10:57	9/9/15 10:59	0.03	1,534.85 hours	Well disconnected due to excavation, active fill and/or construction activities.	9/9/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00704*		11/12/15 9:48	11/12/15 9:50	0.03			11/12/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000915*		9/10/15 7:28	9/10/15 7:30	0.03	1,493.98 hours	Well unable to be monitored due to liquids.	9/10/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000915*		11/11/15 13:27	11/11/15 13:29	0.03			11/11/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CGW00903*		9/14/15 12:12	9/14/15 12:14	0.03	1,219.78 hours	Well unable to be monitored due to liquids.	9/14/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00903*		11/4/15 7:59	11/4/15 8:01	0.03			11/4/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00611*		9/14/15 13:59	9/14/15 14:01	0.03	1,219.88 hours	Well unable to be monitored due to liquids.	9/14/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00611*		11/4/15 9:52	11/4/15 9:54	0.03			11/4/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00585*		9/18/15 13:43	9/18/15 13:45	0.03	1,073.48 hours	Well unable to be monitored due to liquids.	9/18/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00585*		11/2/15 7:12	11/2/15 7:14	0.03			11/2/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00911*		9/24/15 13:42	9/24/15 13:44	0.03		Horizontal well start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00913*		9/24/15 13:57	9/24/15 13:59	0.03	1,487.35 hours	Well unable to be monitored due to liquids.	9/24/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00913*		11/25/15 13:18	11/25/15 13:20	0.03			11/25/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CHC00915*		9/24/15 14:17	9/24/15 14:19	0.03		Horizontal well start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00916*		9/24/15 14:22	9/24/15 14:24	0.03		Horizontal well start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00917*		9/24/15 14:29	9/24/15 14:31	0.03		Horizontal well start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00918*		9/24/15 14:33	9/24/15 14:35	0.03		Horizontal well start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: LC000901*		9/24/15 15:03	9/24/15 15:05	0.03		Liner collector start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: LC000902*		9/24/15 15:08	9/24/15 15:10	0.03		Liner collector start-up. Not subject to NSPS.	9/24/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00915*		10/9/15 9:28	10/9/15 9:30	0.03		Vertical well started up.	10/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00916*		10/9/15 9:35	10/9/15 9:37	0.03		Vertical well started up.	10/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000923*		10/9/15 13:01	10/9/15 13:03	0.03		Vertical well started up.	10/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000922*		10/9/15 13:05	10/9/15 13:07	0.03		Vertical well started up.	10/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000921*		10/9/15 13:10	10/9/15 13:12	0.03		Vertical well started up.	10/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000919*		10/13/15 9:27	10/13/15 9:29	0.03		Vertical well started up.	10/13/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000920*		10/13/15 9:31	10/13/15 9:33	0.03		Vertical well started up.	10/13/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000918*		10/13/15 10:24	10/13/15 10:26	0.03		Vertical well started up.	10/13/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CHC00912*		10/14/15 13:01	10/14/15 13:03	0.03		Horizontal well started up.	10/14/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CGW0515R*		10/20/15 7:48	10/20/15 7:50	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00913*		10/20/15 7:59	10/20/15 8:01	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00912*		10/20/15 8:05	10/20/15 8:07	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0510R*		10/20/15 8:10	10/20/15 8:12	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00911*		10/20/15 8:17	10/20/15 8:19	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: CGW00910*		10/20/15 8:22	10/20/15 8:24	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0691R*		10/20/15 8:31	10/20/15 8:33	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0581R*		10/20/15 8:41	10/20/15 8:43	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW0422R*		10/20/15 8:48	10/20/15 8:50	0.03		Vertical well started up.	10/20/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: CGW00914*		10/23/15 7:33	10/23/15 7:35	0.03		Vertical well started up.	10/23/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

Identify Well & Check Applicable Event		(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Date Form Completed	(7) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: GW000916*		10/26/15 8:14	10/26/15 8:16	0.03	1,058.35 hours	Well disconnected due to excavation, active fill and/or construction activities.	10/26/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000916*		12/9/15 10:35	12/9/15 10:37	0.03			12/9/2015	X	Manual
X	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000154*		10/27/15 10:30	10/27/15 10:32	0.03		Vertical well was decommissioned.	10/27/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW00163R*		11/25/15 8:41	11/25/15 8:43	0.03	879.32 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	11/25/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number: GW000696*		11/25/15 8:49	11/25/15 8:51	0.03	879.18 hours as of January 1, 2016	Well disconnected due to excavation, active fill and/or construction activities.	11/25/2015	X	Manual
	Startup Event								
X	Shutdown Event								Automatic
	Malfunction Event								
Well ID Number:									Manual
	Startup Event								
	Shutdown Event								Automatic
	Malfunction Event								

ATTACHMENT C

GCCS DOWNTIME LOG

Emission Control Devices
Gas Collection and Control System (GCCS) Downtime Summary

Sunshine Canyon Landfill, Sylmar, CA **GCCS DOWNTIME REPORT Period January 1 through December 31, 2015**				
SHUTDOWN DATE/TIME	**START-UP DATE/TIME**	**TOTAL DOWNTIME (hours)**	**COMMENTS OR REASONS**	**ACTION TAKEN**
There was no GCCS Downtime during the reporting period.				

Combined Emission Control Devices
2015 TOTAL DOWNTIME (HOURS): **0.00**

GCCS Downtime is when all emission control devices are not operating. Per direction from SCL personnel, no GCCS downtime is accrued unless Cornerstone is notified by SCL technicians that all onsite combustion devices (Flares 1, 3, 8, 9 and 10 and internal combustion [IC] engines Sunshine Gas Producers [SGP]) emission control devices are not operating.

ATTACHMENT D

LFG GENERATION FLOW RATE CALCULATIONS

Data Input: Lanfill Characteristics

Landfill Name: Sunshine Canyon L
State/Country: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
Click for lists of k values
k Value: 0.030
M Value:

Data Input: Waste Deposit History

Year	Waste			Daily Cover			
	Waste Deposited			Greenwaste & Compost		Sludge	
	Tons	% ANDOC		Tons	% ANDOC	Tons	% ANDOC
1900							
1901							
1902							
1903							
1904							
1905							
1906							
1907							
1908							
1909							
1910							
1911							
1912							
1913							
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1915							
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1947							
1948							
1949							
1950							
1951							

Data Input: Lanfill Characteristics

Landfill Name: Sunshine Canyon L
State/Country: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
Click for lists of k values
k Value: 0.030
M Value:

Data Input: Waste Deposit History

	Waste			Daily Cover			
	Waste Deposited			Greenwaste & Compost		Sludge	
Year	Tons	% ANDOC		Tons	% ANDOC	Tons	% ANDOC
1952							
1953							
1954							
1955							
1956							
1957							
1958	93,000	10.45%					
1959	100,000	10.45%					
1960	110,000	10.45%					
1961	121,000	10.45%					
1962	133,000	10.45%					
1963	146,000	10.45%					
1964	161,000	10.45%					
1965	177,000	10.44%					
1966	195,000	10.44%					
1967	215,000	10.44%					
1968	237,000	10.44%					
1969	261,000	10.44%					
1970	287,000	10.44%					
1971	316,000	10.44%					
1972	348,000	10.44%					
1973	383,000	10.44%					
1974	421,000	10.44%					
1975	463,000	10.34%					
1976	509,000	10.34%					
1977	560,000	10.34%					
1978	616,000	10.34%					
1979	678,000	10.34%					
1980	746,000	10.34%					
1981	821,000	10.34%					
1982	903,000	10.34%					
1983	2,000,000	10.34%					
1984	2,000,000	10.34%					
1985	2,000,000	11.02%					
1986	2,000,000	11.02%					
1987	2,000,000	11.02%					
1988	2,000,000	11.02%					
1989	2,000,000	11.02%					
1990	1,000,000	11.02%					
1991	1,000,000	11.02%					
1992		11.02%					
1993		11.62%					
1994		11.62%					
1995		11.62%					
1996	225,882	8.42%					
1997	886,141	8.42%					
1998	1,107,415	8.42%					
1999	1,042,980	8.42%					
2000	1,485,832	8.42%					
2001	1,651,272	8.42%					
2002	1,863,679	8.42%					
2003	1,904,803	7.45%					

Data Input: Lanfill Characteristics

Landfill Name: Sunshine Canyon L
State/Country: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
Click for lists of k values
k Value: 0.030
M Value:

Data Input: Waste Deposit History

Year	Waste			Daily Cover			
	Waste Deposited			Greenwaste & Compost		Sludge	
	Tons	% ANDOC		Tons	% ANDOC	Tons	% ANDOC
2004	1,766,600	7.45%					
2005	2,128,198	7.45%					
2006	2,206,477	7.45%					
2007	3,038,813	7.52%					
2008	1,918,155	7.52%					
2009	2,514,712	7.52%					
2010	2,618,256	7.52%					
2011	2,531,244	7.52%					
2012	2,296,920	7.52%					
2013	2,349,694	7.52%					
2014	2,374,838	7.52%					
2015							
2016							
2017							
2018							
2019							
2020							

Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can**y** **Year Opened:** 1958
State: CA **If Closed, Year:** **k Value:** 0.030
City/County: Sylmar, LA County **M Value:** 6

Model Output: Methane and Carbon Dioxide Emissions (metric tonnes of CO_2 equivalent)

Year	CH_4	CO_2
1900		
1901		
1902		
1903		
1904		
1905		
1906		
1907		
1908		
1909		
1910		
1911		
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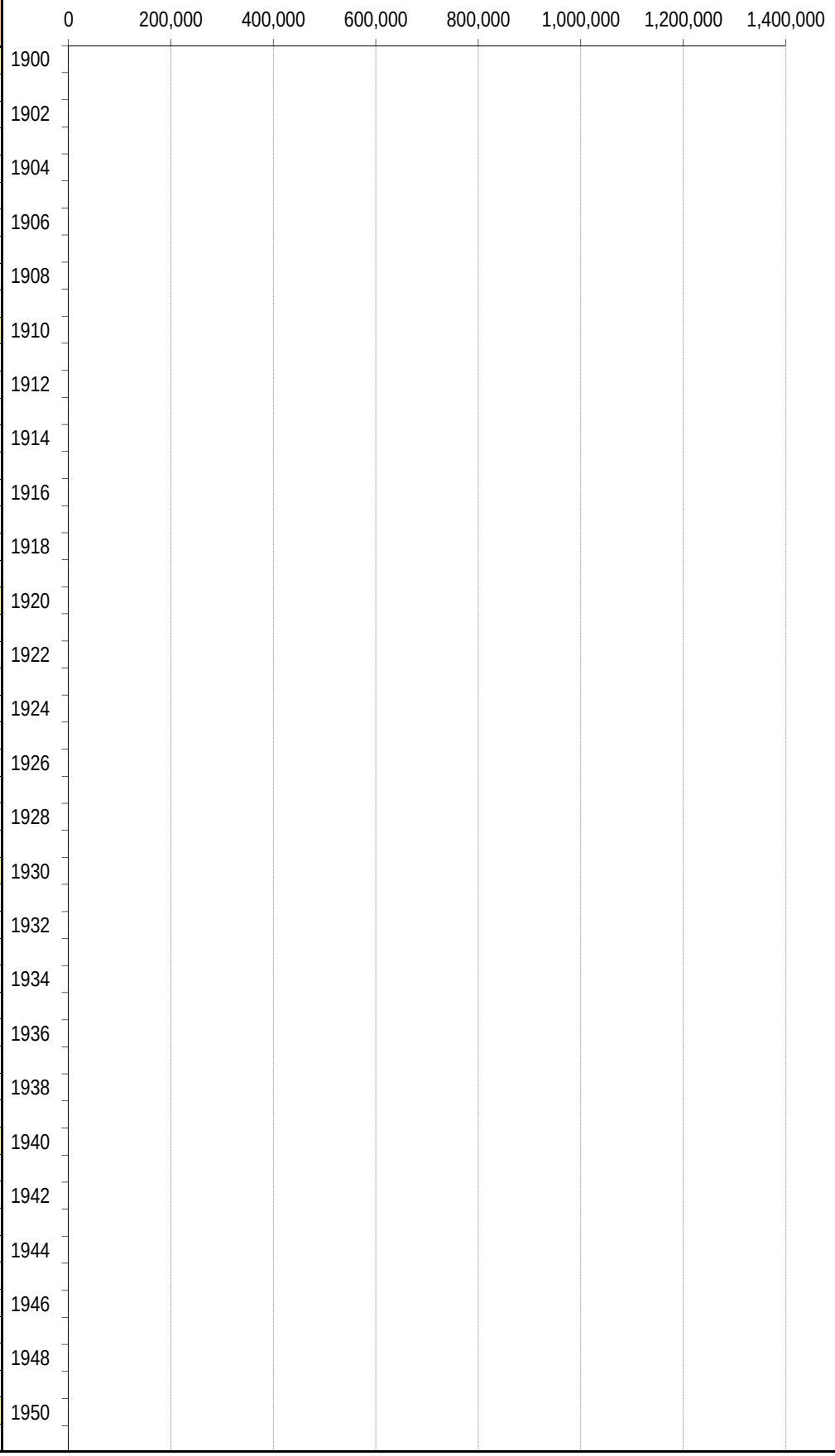
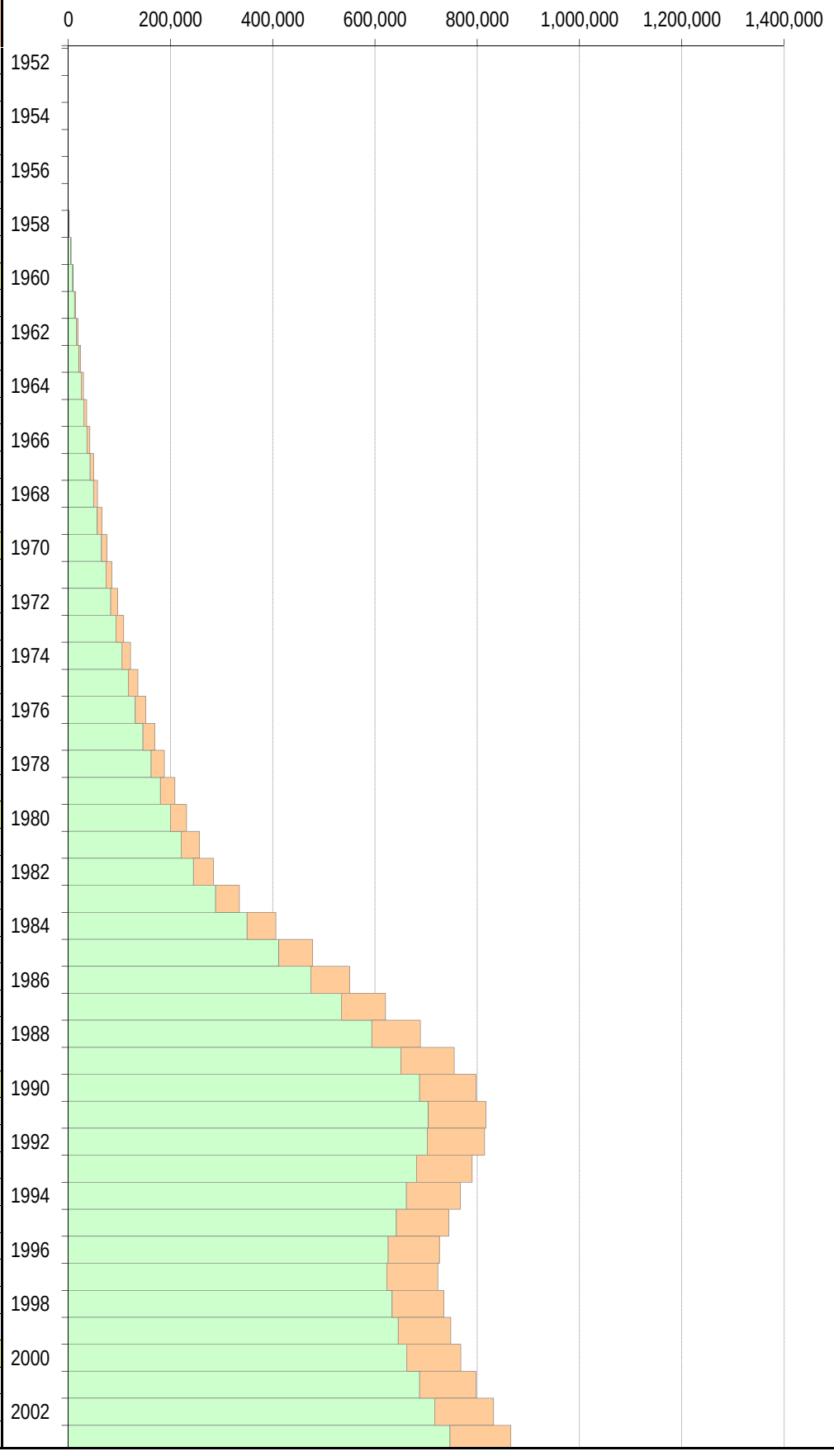


Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can
State: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
k Value: 0.030
M Value: 6

Model Output: Methane and Carbon Dioxide Emissions (metric tonnes of CO_2 equivalent)

Year	CH_4	CO_2
1952		
1953		
1954		
1955		
1956		
1957		
1958	1,653	264
1959	5,018	801
1960	8,584	1,371
1961	12,417	1,983
1962	16,543	2,642
1963	20,989	3,352
1964	25,800	4,120
1965	31,014	4,953
1966	36,673	5,857
1967	42,837	6,841
1968	49,561	7,915
1969	56,899	9,087
1970	64,905	10,365
1971	73,646	11,761
1972	83,207	13,288
1973	93,670	14,959
1974	105,114	16,787
1975	117,554	18,773
1976	131,095	20,936
1977	145,934	23,306
1978	162,208	25,904
1979	180,066	28,756
1980	199,672	31,888
1981	221,203	35,326
1982	244,845	39,101
1983	288,511	46,075
1984	349,990	55,893
1985	411,961	65,790
1986	474,387	75,759
1987	534,968	85,434
1988	593,758	94,823
1989	650,811	103,934
1990	687,434	109,783
1991	704,417	112,495
1992	702,156	112,134
1993	681,404	108,820
1994	661,265	105,603
1995	641,722	102,482
1996	625,991	99,970
1997	623,383	99,554
1998	633,381	101,150
1999	645,299	103,054
2000	662,293	105,768
2001	687,432	109,782
2002	717,216	114,539
2003	746,565	119,226

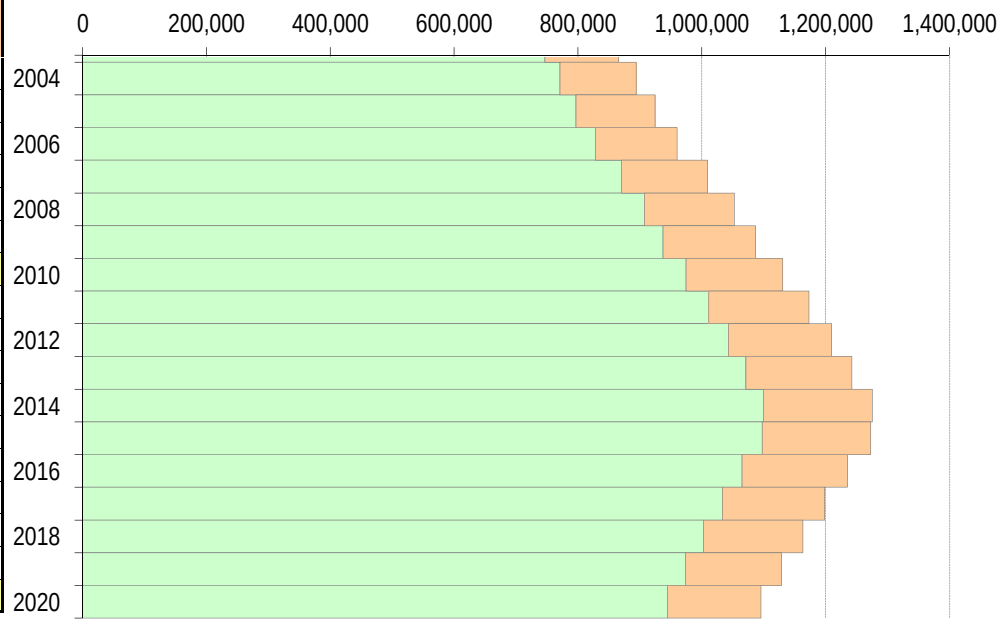


Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can**y** **Year Opened:** 1958
State: CA **If Closed, Year:** **k Value:** 0.030
City/County: Sylmar, LA County **M Value:** 6

Model Output: Methane and Carbon Dioxide Emissions (metric tonnes of CO_2 equivalent)

Year	CH_4	CO_2
2004	770,755	123,089
2005	797,076	127,292
2006	828,145	132,254
2007	870,214	138,972
2008	907,530	144,932
2009	937,180	149,667
2010	974,835	155,680
2011	1,011,576	161,548
2012	1,043,130	166,587
2013	1,071,459	171,111
2014	1,099,941	175,660
2015	1,097,516	175,272
2016	1,065,079	170,092
2017	1,033,601	165,065
2018	1,003,054	160,187
2019	973,409	155,453
2020	944,640	150,858



Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can
State: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
k Value: 0.030
M Value: 6

Model Output: Landfill Gas Captured and Captured Gas Heat (graph values in MMbtu/hr)

Year	Landfill Gas Captured (scf/min)	Captured Gas Heat (MMbtu/hr)
1900		
1901		
1902		
1903		
1904		
1905		
1906		
1907		
1908		
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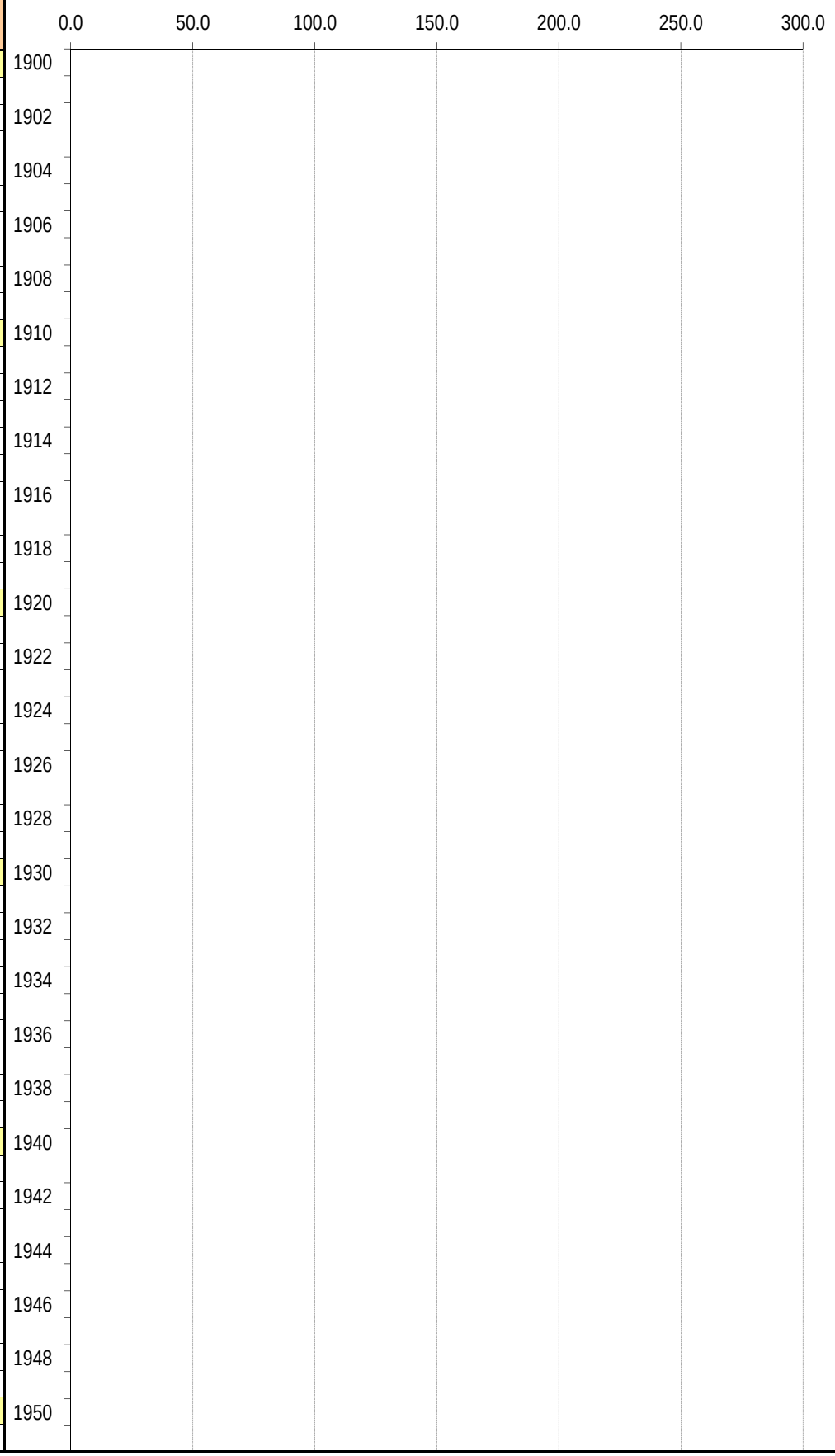
1950		
1951		

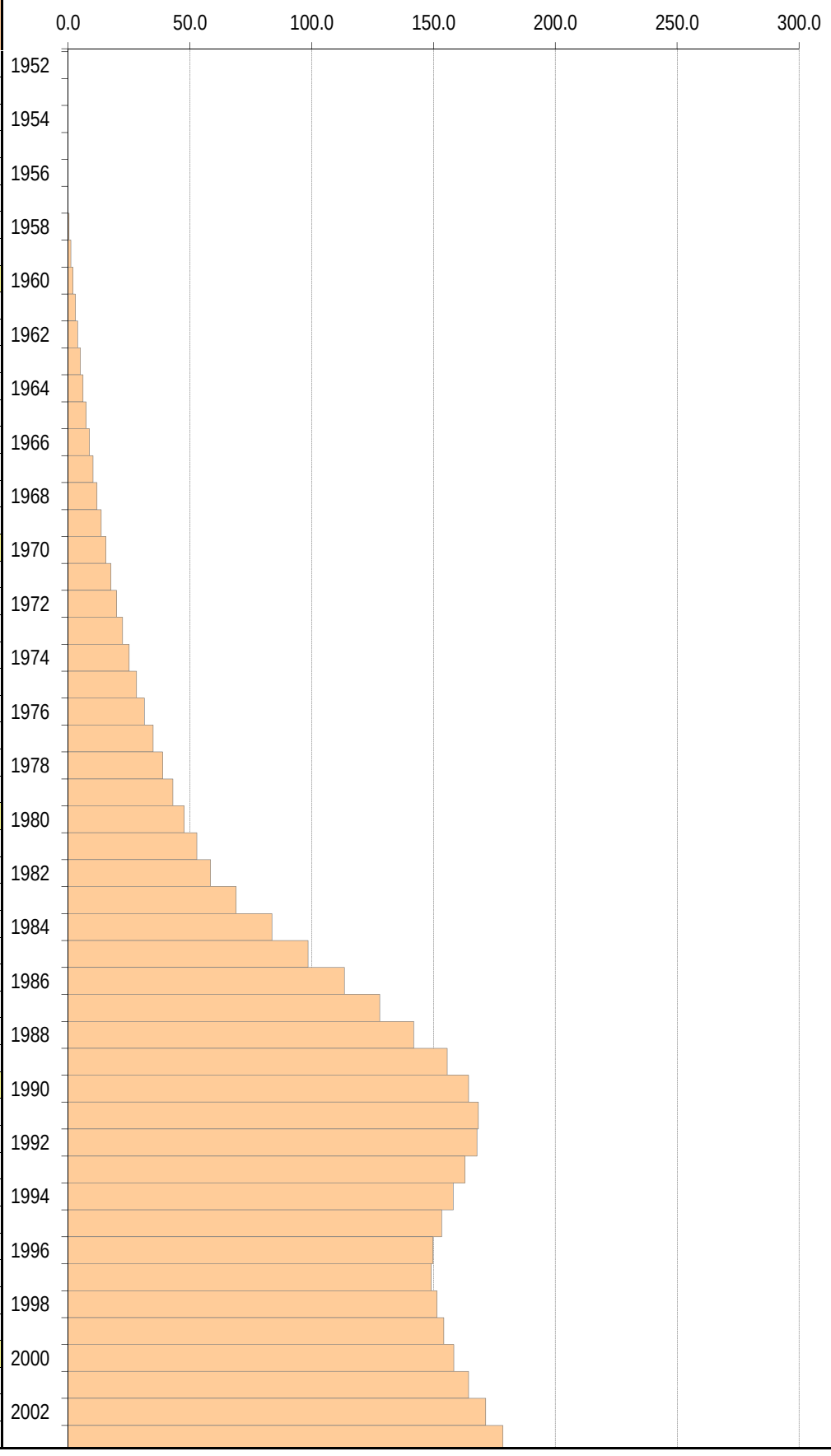


Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can
State: CA
City/County: Sylmar, LA County
Year Opened: 1958
If Closed, Year:
k Value: 0.030
M Value: 6

Model Output: Landfill Gas Captured and Captured Gas Heat (graph values in MMbtu/hr)

Year	Landfill Gas Captured (scf/min)	Captured Gas Heat (MMbtu/hr)
1952		
1953		
1954		
1955		
1956		
1957		
1958	13	0.4
1959	40	1.2
1960	68	2.1
1961	98	3.0
1962	130	4.0
1963	165	5.0
1964	203	6.2
1965	244	7.4
1966	289	8.8
1967	337	10.2
1968	390	11.8
1969	448	13.6
1970	511	15.5
1971	580	17.6
1972	655	19.9
1973	738	22.4
1974	828	25.1
1975	926	28.1
1976	1,032	31.3
1977	1,149	34.9
1978	1,277	38.8
1979	1,418	43.0
1980	1,572	47.7
1981	1,742	52.9
1982	1,928	58.5
1983	2,272	69.0
1984	2,756	83.7
1985	3,244	98.5
1986	3,736	113.4
1987	4,213	127.9
1988	4,676	142.0
1989	5,125	155.6
1990	5,413	164.3
1991	5,547	168.4
1992	5,529	167.9
1993	5,366	162.9
1994	5,207	158.1
1995	5,053	153.4
1996	4,929	149.7
1997	4,909	149.0
1998	4,988	151.4
1999	5,082	154.3
2000	5,215	158.3
2001	5,413	164.3
2002	5,648	171.5
2003	5,879	178.5

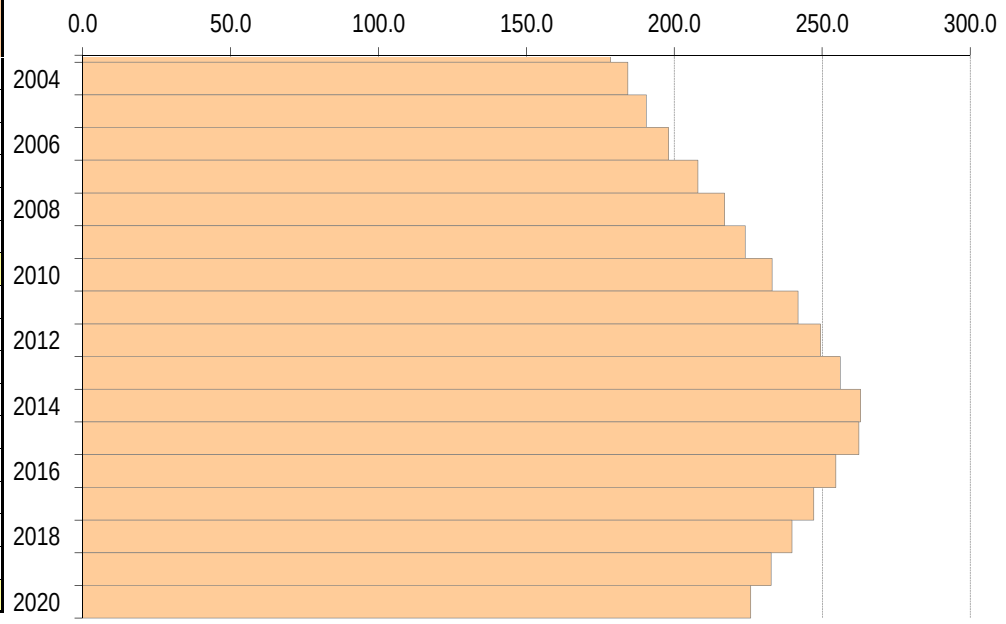


Model Output: Lanfill Characteristics

Landfill Name: Sunshine Can**y** **Year Opened:** 1958
State: CA **If Closed, Year:** **k Value:** 0.030
City/County: Sylmar, LA County **M Value:** 6

Model Output: Landfill Gas Captured and Captured Gas Heat (graph values in MMbtu/hr)

Year	Landfill Gas Captured (scf/min)	Captured Gas Heat (MMbtu/hr)
2004	6,069	184.3
2005	6,277	190.6
2006	6,521	198.0
2007	6,853	208.0
2008	7,146	217.0
2009	7,380	224.1
2010	7,676	233.1
2011	7,966	241.8
2012	8,214	249.4
2013	8,437	256.2
2014	8,662	263.0
2015	8,643	262.4
2016	8,387	254.6
2017	8,139	247.1
2018	7,899	239.8
2019	7,665	232.7
2020	7,439	225.8



ATTACHMENT E

1150.1 QUARTERLY MONITORING REPORT COVERS

SUNSHINE CANYON LANDFILL

May 13, 2015

Mr. Ed Pupka
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Re: Sunshine Canyon City/County Landfill, Facility ID# 049111
Rule 1150.1 First Quarter 2015 Quarterly Monitoring Report, and Rule 431.1 Sulfur Monitoring Data

Dear Mr. Pupka,

Attached please find the Rule 1150.1 and Rule 431.1 Quarterly Monitoring Reports for the First Quarter of 2015 for Sunshine Canyon Landfill. Please do not hesitate to contact me if you have any questions.

Sincerely,

Achaya Kelapanda
Environmental Manager

Attachment: Sunshine Canyon City/County Landfill, Rule 1150.1 and Rule 431.1 Quarterly Monitoring Report, First Quarter, 2015

SUNSHINE CANYON LANDFILL

August 13, 2015

Mr. Ed Pupka
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Re: Sunshine Canyon City/County Landfill, Facility ID# 049111
Rule 1150.1 Second Quarter 2015 Quarterly Monitoring Report, and Rule 431.1 Sulfur Monitoring Data

Dear Mr. Pupka,

Attached please find the Rule 1150.1 and Rule 431.1 Quarterly Monitoring Reports for the Second Quarter of 2015 for Sunshine Canyon Landfill. Please do not hesitate to contact me if you have any questions.

Sincerely,

Achaya Kelapanda
Environmental Manager

Attachment: Sunshine Canyon City/County Landfill, Rule 1150.1 and Rule 431.1 Quarterly Monitoring Report, Second Quarter, 2015

SUNSHINE CANYON LANDFILL

November 12, 2015

Mr. Ed Pupka
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Re: Sunshine Canyon City/County Landfill, Facility ID# 049111
Rule 1150.1 Third Quarter 2015 Quarterly Monitoring Report
Rule 431.1 Sulfur Monitoring Data

Dear Mr. Pupka,

Attached please find the Rule 1150.1 and Rule 431.1 Quarterly Monitoring Reports for the Third Quarter of 2015 for Sunshine Canyon Landfill. Please do not hesitate to contact me if you have any questions.

Sincerely,

Patti K Costa

Patti K. Costa, P.E.
Environmental Manager

Attachment: Sunshine Canyon City/County Landfill, Rule 1150.1 and Rule 431.1 Quarterly Monitoring Report, Third Quarter, 2015

14747 San Fernando Rd., Sylmar, CA 91342 (818) 833-6500 Office (818) 362-5484 Fax

SUNSHINE CANYON LANDFILL

February 9, 2016

Mr. Ed Pupka
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Re: Sunshine Canyon City/County Landfill, Facility ID# 049111
Rule 1150.1 Fourth Quarter 2015 Quarterly Monitoring Report
Rule 431.1 Sulfur Monitoring Data

Dear Mr. Pupka,

Attached please find the Rule 1150.1 and Rule 431.1 Quarterly Monitoring Reports for the Fourth Quarter of 2015 for Sunshine Canyon Landfill. Please do not hesitate to contact me if you have any questions.

Sincerely,

Matthew D. Eaton
Environmental Manager

Attachment: Sunshine Canyon City/County Landfill, Rule 1150.1 and Rule 431.1 Quarterly Monitoring Report, Fourth Quarter, 2015

14747 San Fernando Rd., Sylmar, CA 91342 (818) 833-6500 Office (818) 362-5484 Fax