



February 2, 2018  
File No. 01205144.17 Task 9

Compliance Division  
San Diego County Air Pollution Control District  
10124 Old Grove Road  
San Diego, California 92131-1649

**SUBJECT: OTAY TITLE V RENEWAL APPLICATION, OTAY LANDFILL,  
SAN DIEGO, CALIFORNIA**


To Whom It May Concern:

Otay Landfill, Inc. (OLI), hereby provides the San Diego County Air Pollution Control District (SDCAPCD) an application package for the Title V Renewal for the Otay Landfill, located in Chula Vista, California.

A check of the fees of \$11,269.00 for the Title V Renewal is enclosed.

Should you have any questions, please feel free to contact me at (619) 733-7525.

Respectfully,



Neil Mohr  
General Manager

Enclosures as noted

cc: Gabrielle Stephens; SCS Engineers (w/enclosures)  
Pat Sullivan; SCS Engineers (w/enclosures)

# SCS ENGINEERS



## **Title V Renewal Application Otay Landfill Chula Vista, California**

Presented to:

**San Diego County Air Pollution Control  
District**

10124 Old Grove Road  
San Diego, California 92131-1649

Presented by:

**SCS ENGINEERS**  
3900 Kilroy Airport Way, Suite 100  
Long Beach, California 90806  
(562) 426-9544

January 2018  
File No. 01205144.17 Task 9

**Offices Nationwide**  
[www.scsengineers.com](http://www.scsengineers.com)

This Title V permit renewal application to the San Diego County Air Pollution Control District (SDCAPCD) was prepared for the Otay Landfill in San Diego, California. This document is dated January 2018 and was prepared and reviewed by the following:

Report Preparer:

Name & Title: James J. Kim, Project Scientist

Signature:  Date: 1/28/2018

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION PROVIDED IN THIS REPORT IS COMPLETE AND ACCURATE.

Landfill Responsible Official:

Name & Title: Neil Mohr, General Manager

Signature:  Date: 1/31/18

## Table of Contents

Section	Page
1.0 Introduction.....	1
2.0 General Nature of Business .....	1
3.0 Equipment .....	1
4.0 Compliance Assurance Monitoring (CAM) .....	2
5.0 Changes to the Existing Title V Permit.....	2
6.0 Emissions Data.....	2
7.0 GHG Emissions.....	2
8.0 Federal Stationary Source Status .....	4
9.0 Application Fee Estimate and Forms.....	5

## List of Tables

No.	
1	GHG Emission Factors
2	Current Total GHG Emissions
3	Current Total Regulated GHG Emissions

## Appendices

A	SDCAPCD Title V Forms/Fee Estimate
---	------------------------------------

## 1.0 INTRODUCTION

On behalf of Otay Landfill, Inc., (OLI), SCS Engineers (SCS) hereby submits a Title V permit renewal application to the San Diego County Air Pollution Control District (SDCAPCD or District) for the Otay Landfill (Otay) located in San Diego, California.

According to the permit conditions, the permittee shall submit a complete application for renewal of this permit to the Air Pollution Control Officer no later than February 4, 2018 and no earlier than August 4, 2017. The permit expiration date is February 4, 2019.

This application includes equipment/source descriptions, emissions information, Title V forms, and other details encompassing a complete Title V renewal package. The Part 70 renewal forms can be found in Appendix A. Other components of the application are further detailed below. This application is based on the currently permitted landfill design capacity of approximately 61,154,000 cubic yards.

## 2.0 GENERAL NATURE OF BUSINESS

The primary function of Otay is for the disposal of municipal solid waste (MSW). The landfill has been in operation since early 1960s. Otay has a landfill gas (LFG) collection and control system (GCCS) for the control of LFG migration and emissions, which consists of a control system owned and operated by Otay LFG, LLC (OLG), which took ownership in 2011, and a separate system owned and operated by OLI.

## 3.0 EQUIPMENT

The majority of the ancillary activities and equipment associated with operations at Otay qualify as insignificant activities and has been identified in the Insignificant Activities form 1401-G.

The equipment that does not qualify as insignificant in the current Part 70 permit is listed below.

- The Otay system consists of vertical extraction wells used to collect the LFG, a piping collection system used to convey the collected LFG, and a blower flare station (BFS) used to destruct the collected LFG. The BFS consists of a Perennial flare rated at 1,800 standard cubic feet per minute (scfm) and a John Zink flare rated at 5,000 scfm.
- All of the LFG that is not flared at Otay is sent to the third party OLG LFG-to-energy (LFGTE) facility used to destruct the collected LFG and produce electricity. This LFGTE facility operates under a separate Title V Permit, owned by OLG and not under common ownership or control, and is not included in this renewal.

## 4.0 COMPLIANCE ASSURANCE MONITORING (CAM)

Otay incorporates a primary LFG flare as its abatement device for the GCCS. The site also has a secondary or backup LFG flare. The LFG flares have a continuous monitoring system (CMS), which monitors temperature and flow. The monitoring of the LFG flares is outlined in the present Title V permit and is currently in compliance with all monitoring conditions, as is the MSW landfill. It is under these permit conditions that Otay will continue to comply in order to fulfill requirements under 40 Code of Federal Regulations (CFR) 64. Because the landfill is subject to the landfill New Source Performance Standards (NSPS) and complies with the NSPS monitoring requirements, it is exempt from CAM.

## 5.0 CHANGES TO THE EXISTING TITLE V PERMIT

The following are a list of changes that OLI would like made to the existing Title V permit:

- OLI requests to update the Permit to Operate (PTO) APCD2009-PTO-971112 in the Title V with the most recent PTO.
- OLI would like to designate the following:
  - Neil Mohr, General Manager as the Responsible Official
  - Jesus Torres, Environmental Manager as the Alternate Responsible Official,
  - Gabe Gonzales, Operations Manager as the Facility Contact.

## 6.0 EMISSIONS DATA

Per the United States Environmental Protection Agency (U.S. EPA) application streamlining guidance, emission information is only required when the District needs to verify emissions levels and monitoring approaches for a facility proposing Plantwide Allowable Limits (PALs) or other plantwide emissions limits, or an exemption from an emissions-based applicable requirement for a single emission unit or multiple emission units and a permit shield must be granted by the District. OLI is not requesting any exemptions or changes in the limits for the currently permitted landfill collection system, 48 MMBtu/hr enclosed ground Perennial Flare No. 1, or the 150 MMBtu/hr enclosed ground John Zink Flare No. 2; therefore, emission unit-specific forms are not necessary. RSI and the District are currently working together to finalize the 2013 Emission Inventory for Otay. Based upon the revisions and finalization, RSI expects that there will be no major source pollutants for Title V purposes.

## 7.0 GHG EMISSIONS

This application includes greenhouse gas (GHG) emission calculations to determine whether Prevention of Significant Deterioration (PSD) and Title V permit requirements for GHGs will apply to the Project, if any. LFG-derived emissions of carbon dioxide (CO<sub>2</sub>) are considered



biogenic, meaning they come from a biofuel and do not contribute to a net increase in atmospheric CO<sub>2</sub>.

On July 1, 2011, the U.S. EPA issued a rule (40 Code of Federal Regulations (CFR) Parts 51, 52, 70, and 71, Federal Register Volume 76, No. 139, pages 43490 to 43508) to defer the inclusion of biogenic CO<sub>2</sub> in PSD and Title V programs under the Tailoring Rule.

On July 21, 2014, the biogenic deferral expired on its own, and it has not been reinstated. However, a Supreme Court ruling on June 23, 2014 prevents any regulation of GHGs unless the source or project is major for other regulated pollutants. A facility cannot be major for GHGs alone. On July 24, 2014, U.S. EPA issued a memorandum recognizing its limitations under the Tailoring Rule and to clarify when Title V or PSD requirements for GHGs would be triggered. On November 19, 2014, U.S. EPA issued its "Framework for Assessing Biogenic CO<sub>2</sub> Emissions from Stationary Sources" (Framework). The Framework clearly defines biogenic CO<sub>2</sub> coming from MSW as having a biogenic assessment factor (BAF) of zero, meaning CO<sub>2</sub> from LFG is fully biogenic, part of the natural carbon cycle, and should not be regulated under the CAA. As such, biogenic CO<sub>2</sub> should not be counted as part of the regulated GHG emissions from a LFG source.

Methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) are combustion byproducts and are GHGs. Even when resulting from the combustion of a biofuel, methane and nitrous oxide are considered anthropogenic. All GHG from combustion of fossil fuels, such as diesel and propane, are anthropogenic and must be included in the GHG emission for Title V compliance. The GHG sources at Otay are the two (2) enclosed LFG flares; Perennial Flare No. 1 and John Zink Flare No. 2. The flares No. 1 and No. 2 are permitted to operate at 48 and 150 Million British Thermal Units per hour (MMBtu/hr), respectively. Fugitive emissions are not considered to determine major source emission levels for GHGs and therefore not included. GHG emission factors are shown in the Table 1.

**Table 1 - GHG Emission Factors**

Fuel	Emission Factors (kilograms/MMBtu)		
	Carbon Dioxide	Methane	Nitrous Oxide
LFG	104.06	3.2E-03	6.3E-04

Current total GHG emissions and total regulated permitted GHG emissions and their non-fugitive anthropogenic GHG emissions are provided below. Fugitive emissions of GHGs are not counted under the federal CAA; therefore, fugitive LFG emissions have not been calculated for their GHG contribution. Not all GHG have equal impact on the climate, so emissions of methane and N<sub>2</sub>O have been converted into CO<sub>2</sub> equivalent (CO<sub>2</sub>e) using a global warming potential factor of 25 for methane and 298 for N<sub>2</sub>O.

**Table 2 - Current Total GHG Emissions**

Sources		Flare Enclosed No. 1 (Perennial)	Flare Enclosed No. 2 (John Zink)
Activity Rate		48 MMBtu/hr	150 MMBtu/hr
Emissions (metric tons CO <sub>2</sub> e)	CO <sub>2</sub>	43,755	136,744
	CH <sub>4</sub>	28.26	88.31
	N <sub>2</sub> O	82.12	256.64
Total GHG Emissions (metric ton CO <sub>2</sub> e)		43,865	137,089
Total (metric ton CO <sub>2</sub> e)		180,954	

**Table 3 - Current Total Regulated GHG Emissions**

Sources		Flare Enclosed No. 1 (Perennial)	Flare Enclosed No. 2 (John Zink)
Activity Rate		48 MMBtu/hr	150 MMBtu/hr
Emissions (metric ton CO <sub>2</sub> e)	CH <sub>4</sub>	28.26	88.31
	N <sub>2</sub> O	82.12	256.64
Total GHG Emissions (metric ton CO <sub>2</sub> e)		110.37	344.95
Total (metric ton CO <sub>2</sub> e)		455.32	

For purposes of the federal Title V rules, this facility's GHGs (excluding fugitive emissions) from the project are estimated at 455 tons per year (tpy) of CO<sub>2</sub>e. Since the facility is subject to Title V, the inclusion of this GHG inventory will satisfy the necessary requirements for adding GHGs to the Title V permit during the application process. No other requirements for GHGs should apply to this application.

Since the facility or project is not a federal major PSD source for any pollutant, the project cannot trigger PSD for GHG.

## 8.0 FEDERAL STATIONARY SOURCE STATUS

This facility is an existing landfill facility that is not a major stationary source under the federal New Source Review (NSR)/PSD program. Landfills are not included among the list of 28 source categories that are regulated under a 100 ton per year (tpy) threshold for "regulated NSR pollutants" to determine "major stationary source" status, 40 CFR 52.21(b)(1)(i)(a). Because this existing landfill facility does not fall within the 28 listed categories, it is subject to a 250 tpy threshold for "regulated NSR pollutants," excluding fugitive emissions, to determine NSR major stationary source status. Per 40 CFR 52.21(b)(1)(i)(b). This facility does not emit or have the potential to emit 250 tpy or more of a regulated NSR pollutant, and therefore, is not an existing major stationary source for PSD purposes. Therefore, this facility is considered a minor source under the federal NSR.



## 9.0 APPLICATION FEE ESTIMATE AND FORMS

The following forms are submitted as part of this application and can be found in Appendix A.

- APCD General Appl
- 1401-A1-A2
- 1401-G
- 1401-H1
- 1401-H2
- 1401-I
- 1401-K
- 1401-M

A check for fees is submitted as part of this application. A SDCAPCD fee estimate is provided in Appendix A:

<b>Estimate Total Fees</b>	<b>\$11,269.00</b>
----------------------------	--------------------

## **ATTACHMENTS**

**APPENDIX A**

**SDCAPCD TITLE V FORMS/FEE ESTIMATE**

Internal Use Only	
APP ID: APCD	-APP/CER-
SITE ID: APCD	-SITE-

## GENERAL PERMIT OR REGISTRATION APPLICATION FORM



**Submittal of this application does not grant permission to construct or to operate equipment except as specified in Rule 24(c).**

### REASON FOR SUBMITTAL OF APPLICATION:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> New Installation  | <input type="checkbox"/> Existing Unpermitted Equipment or Rule 11 Change  | <input type="checkbox"/> Modification of Existing Permitted Equipment                      |
| <input type="checkbox"/> Amendment to Existing Authority to Construct or Application | <input type="checkbox"/> Change of Equipment Location                      | <input type="checkbox"/> Change of Equipment Ownership (please provide proof of ownership) |
| <input type="checkbox"/> Change of Permit Conditions                                 | <input type="checkbox"/> Change Permit to Operate Status to Inactive       | <input type="checkbox"/> Banking Emissions   |
| <input type="checkbox"/> Registration of Portable Equipment                          | <input checked="" type="checkbox"/> Other (Specify) <u>Title V Renewal</u> |  |

List affected APP/PTO Record ID(s): 971227

### APPLICANT INFORMATION

Name of Business (DBA) Otay Landfill, Inc.

Does this organization own or operate any other APCD permitted equipment at this or any other adjacent locations? ☐ Yes ☒ No

If yes, list assigned Site Record IDs listed on your Permits \_\_\_\_\_

Name of Legal Owner (if different from DBA) Republic Services, Inc.

#### Equipment Owner

#### Authority to Construct Mailing Address

Name: <u>Otay Landfill, Inc.</u>	Name: <u>Same</u>
Mailing Address: <u>1700 Maxwell Rd.</u>	Mailing Address: _____
City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u>	City: _____ State: _____ Zip: _____
Phone: <u>(619) 733-7525</u>	Phone: ( ) _____
E-Mail Address: <u>nmohr@republicservices.com</u>	E-Mail Address: _____

#### Permit To Operate Mailing Address

#### Invoice Mailing Address

Name: <u>Same</u>	Name: <u>Same</u>
Mailing Address: _____	Mailing Address: _____
City: _____ State: _____ Zip: _____	City: _____ State: _____ Zip: _____
Phone: ( ) _____	Phone: ( ) _____
E-Mail Address: _____	E-Mail Address: _____

**EQUIPMENT/PROCESS INFORMATION:** Type of Equipment: ☒ Stationary ☐ Portable, *if portable please enter below the equipment storage address.* If portable, will operation exceed 12 consecutive months at the same location ☐ Yes ☐ No

Equipment Location Address Same as above City \_\_\_\_\_ State: \_\_\_\_\_

Parcel No. \_\_\_\_\_ Zip \_\_\_\_\_ Phone ( ) \_\_\_\_\_ E-mail: JTorres@republicservices.com

Site Contact Jesus Torres Phone (619) 449-9156

General Description of Equipment/Process Municipal Solid Waste Landfill

Application Submitted by ☐ Owner ☐ Operator ☐ Contractor ☒ Consultant Affiliation SCS Engineers

**EXPEDITED APPLICATION PROCESSING:** ☐ I hereby request Expedited Application Processing and understand that:

a) Expedited processing will incur additional fees and permits will not be issued until the additional fees are paid in full (see Rule 40(d)(8)(iv) for details) b) Expedited processing is contingent on the availability of qualified staff c) Once engineering review has begun this request cannot be cancelled d) Expedited processing does not guarantee a specific date nor does it guarantee permit approval.

I hereby certify that the information provided on this application is true and correct.

SIGNATURE \_\_\_\_\_ Date 1/3/18

Print Name Neil Mohr Company Otay Landfill, Inc.

Phone (619) 733-7525 E-mail Address nmohr@republicservices.com

### Internal Use Only

Date _____	Staff Initials: _____	Amt Rec'd \$ _____	Fee Schedule _____
RNP: _____	EMF: _____	NBF: _____	TA: _____

GEN\_APP\_Form\_Rev Date: Aug. 2017

10124 Old Grove Rd. – San Diego - California 92131-1649 – (858) 586-2600

www.sdapcd.org

San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Stationary Source Summary (FORM 1401-A1)**

<b>Company Name</b> <u>Otay Landfill, Inc.</u>	<b>District Use Only</b> NEDS # _____ SITE ID # _____
---	---

**I. FACILITY IDENTIFICATION**

- Facility Name (if different than company name): Otay Landfill
- Four digit SIC Code: 4953
- Parent Company (if different than Company Name): Republic Services, Inc.
- Mailing Address: 1700 Maxwell Rd.  
City Chula Vista State CA Zip 91910
- Street Address or Source Location: 1700 Maxwell Rd.  
City Chula Vista State CA Zip 91910
- UTM Coordinates: UTM 11S, (498570 E, 3607016 N)
- Source Located within 50 miles of a state line: ☒ Yes ☐ No (All sources are within 50 miles)
- Source Located within 1000 feet of a school: ☐ Yes ☒ No
- Type of Organization: ☒ Corporation ☐ Sole Ownership ☐ Government  
☐ Partnership ☐ Utility Company
- Legal Owner's Name: Otay Landfill, Inc.
- Owner's Agent name (if any): N/A
- Responsible Official: Mr. Neil Mohr
- Plant Site Manager/Contact: Mr. Jesus Torres Phone #: 619-449-9156 FAX #: \_\_\_\_\_
- Application Contact: Gabrielle Stephens (SCS Engineers)
- Type of Facility: Active non-hazardous waste landfill site
- General description of processes/products: Handling of non-hazardous municipal solid waste for land disposal
- Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? ☐ Yes ☒ No  
(If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION (check)	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input type="checkbox"/> Initial Title V Application	N/A	N/A
<input checked="" type="checkbox"/> Permit Renewal	971227	Feb 4, 2019
<input type="checkbox"/> Significant Permit Modification		
<input type="checkbox"/> Minor Permit Modification		
<input type="checkbox"/> Administrative Amendment		

**III. DESCRIPTION OF PERMIT ACTION**

- Does the permit action requested involve:  
☐ Acid Rain Source ☐ Alternative Operating Scenarios ☐ Voluntary Emissions Caps  
☐ CEMs ☐ Permit Shield ☐ Abatement Devices  
☐ Outdated SIP Requirement Streamlining ☐ Multiple Applicable Requirement Streamlining  
☒ Source Subject to MACT Requirements [Section 112]  
☐ Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
- Is source operating under a Compliance Schedule? ☐ Yes ☒ No ☐ Proposed
- Is source operating under a Variance ☐ Yes ☒ No (If Yes, please attach variance information)
- For permit modification, provide a general description of the proposed permit modification:  
\_\_\_\_\_

**IV. SUPPLEMENTAL ATTACHMENTS\*: N/A**

\* Means all attachments to the complete application.



San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Stationary Source Summary (FORM 1401-A2)**

Company Name	District Use Only
Otay Landfill, Inc.	NEDS # _____ SITE ID # _____

**I. MAJOR SOURCE APPLICABILITY**

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. If more space is necessary, use additional forms. Please type or print legibly.

POLLUTANT	MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY	(check if appropriate)
VOC	100	<input type="checkbox"/>
PM <sub>10</sub>	100	<input type="checkbox"/>
SO <sub>2</sub>	100	<input type="checkbox"/>
NO <sub>x</sub>	100	<input type="checkbox"/>
CO	100	<input type="checkbox"/>
ODC	100	<input type="checkbox"/>
LEAD COMPOUNDS	10	<input type="checkbox"/>
<b>HAZARDOUS AIR POLLUTANTS</b>		
SINGLE HAP	10	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
COMBINATION HAP	25	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference 2013 Emission Inventory Report

Inventory Year 2013

Signature of Responsible Official

Date

Mr. Neil Mohr  
Print Name of Responsible Official

(619) 733-7525  
Telephone No. of Responsible Official

General Manager  
Title of Responsible Official

**II. EMISSIONS CALCULATIONS ATTACHED (as needed)**

☐ Yes ☒ No

**DISTRICT USE ONLY**

Date Application Received: \_\_\_\_\_

Application # \_\_\_\_\_

Application Filing Fee: \_\_\_\_\_

District Received Stamp: \_\_\_\_\_

Receipt #: \_\_\_\_\_

Fee Code: \_\_\_\_\_

San Diego County Air Pollution Control District  
10124 OLD GROVE ROAD SAN DIEGO CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1)**

<b>Company Name</b>  Otay Landfill, Inc.	<b>NEDS #</b> SITE ID #	<b>District Use Only</b>
--	----------------------------	--------------------------

APPLICABLE REQUIREMENTS: Applicable requirements which apply to an entire facility are listed first. The applicant should check appropriate boxes on the form and attach emission unit specific permit number lists where necessary. Where streamlining is employed, note on this form. If information does not fit in the space allotted, attach documentation and reference it on this form. Type or print legibly.

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Perennial Flare	John Zink Flare													Future Effective Date
Facility Applicable Requirement Description																			
10(a)	Permits Required – (a) Authority to Construct			x	x	x													
10(b)	Permits Required – (b) Permit to Operate			x	x	x													
19	Provision of Sampling & Testing Facilities			x	x	x													
19.2	Continuous Emission Monitoring Requirements																		
19.3	Emission Information			x	x	x													
NSR	New Source Review			x	x	x													
PSD	Prevention of Significant Deterioration																		
21	Permit Conditions			x	x	x													
50	Visible Emissions			x	x	x													
51	Nuisance			x	x	x													
60	Circumvention			x	x	x													
67.0	Architectural Coatings	(g)		x															
67.17	Storage of Materials Containing VOC	(c)		x															
71	Abrasive Blasting			x															
98	Breakdown Conditions: Emergency Variance			x	x	x													
101	Burning Control			x	x	x													
131	Stationary Source Curtailment Plan			x	x	x													
132	Traffic Abatement Plan			x															

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Perennial Flare	John Zink Flare											Future Effective Date
Equipment Specific Applicable Requirement Description																	
50	Visible Emissions			x	x	x											
51	Nuisance			x	x	x											
52	Particulate Matter	Method 5			x	x											
53	Specific Contaminants	Method 5															
53.1	Scavenger Plants																
54	Dust and Fumes	Method 5															
58	Incinerator Burning																
59	Control of Waste Disposal – Site Emissions	(c)	(e) & (f)	x	x	x											
60	Circumvention			x	x	x											
61.1	Receiving & Storing VOCs at Bulk Plants & Terminals	(d)	(c)(7)														
61.2	Transfer of VOCs into Mobil Transport Tanks	(e)(10)															
61.3	Transfer of VOCs into Stationary Storage Tanks		(c)(2)(iii)														
61.4	Transfer of VOCs into Vehicle Fuel Tanks																
61.5	Visible Emissions Standards for Vapor Control Equip.		VE														
61.7	Spillage & Leakage of VOCs																
61.8	Certification Requirements for Vapor Control Equip.																
62	Sulfur Content of Fuels				x	x											
64	Reduction of Animal Matter																
66	Organic Solvents	(p)	(o)														
67.1	Alternative Emission Control Plans (AECF)	(c)	(d)														
67.2	Dry Cleaning - Petroleum Solvent	(f)	(c)														
67.3	Metal Parts Coating	(g)	(f)														
67.4	Can & Coil Coating	(g)	(f)														
67.5	Paper, Film and Fabric Coating	(f)	(e)														
67.6	Solvent Cleaning Operation	(f)															
67.7	Cutback & Emulsified Asphalt	(f)	(e)														
67.9	Aerospace Coating Operations	(g)	(f)														
67.10	Kelp Processing and Bio-Polymer Mfg.	(f)	(c)														
67.11	Wood Products Coating Operations (not in SIP)																

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Perennial Flare	John Zink Flare														Future Effective Date
67.12	Polyester Resin Operations	(g)	(f)																	
67.15	Pharmaceutical & Cosmetic Manufacturing	(e)																		
67.16	Graphic Arts Operations	(g)	(f)																	
67.17	Open VOC Containers	(e)		x																
67.18	Marine Coating Operations	(g)	(f)																	
67.19	Coating and Printing Inks Mfg. Operations	(g)	(f)																	
67.20	Motor Vehicle & Mobile Equipment Refinishing Operations																			
67.21	Adhesive Material Application Operations																			
67.22	Expandable Polystyrene Foam Products Manufacturing Operations (not in SIP)																			
67.24	Bakery Ovens	(f)	(e)																	
68	Fuel Burning Equipment - NOx					x		x												
69.2	Boilers	(f)	(e) & (g)																	
69.3	Stationary Gas Turbine Engines - RACT	(f)	(e) & (g)																	
69.3.1	Stationary Gas Turbine Engines - BARCT (not in SIP)	(f)	(e) & (g)																	
69.4	Stationary Internal Combustion Engines - RACT	(f)	(e)																	
69.4.1	Stationary Internal Combustion Engines - BARCT (not in SIP)	(f)	(e)																	
70	Orchard Heaters																			
71	Abrasive Blasting			x																
	Applicability, Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements (SIP Version 7/5/79)			x		x		x												
20.1	NSR - General Provisions (Version 11/4/98) (not in SIP)			x		x		x												
20.1	Standards for Authority to Construct Best Available Control Technology (SIP Version 7/5/79)			x		x		x												
20.2	NSR - Non-major Stationary Sources (Version 11/4/98) (not in SIP)			x		x		x												
20.2	Standards for Authority to Construct - Air Quality Analysis (SIP Version 7/5/79)																			

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

<b>RULE</b>	<b>RULE DESCRIPTION</b>	<b>Test Method or Rule Section</b>	<b>Monitoring, Records, Reports, Rule Section</b>	<b>Facility</b>	<b>Perennial Flare</b>	<b>John Zink Flare</b>													<b>Future Effective Date</b>
20.3	NSR – Major Stationary Source and PSD Stationary Source (Version 11/4/98) (not in SIP)																		
20.4	Standards for Authority to Construct - Major Sources (SIP Version 7/5/79)																		
20.4	NSR – Portable Emission Units (Version 11/4/98) (not in SIP)																		
20.5	Power Plants (SIP Version 7/5/79)																		
20.6	Standards for Permit to Operate Air Quality Analysis (SIP Version 7/5/79)																		
<b>SUBPART</b>	<b>Regulation X - Standards of Performance for New Stationary Sources (NSPS)</b>	<b>Rule #</b>	<b>Rule #</b>																
A	General Provisions		260.7 260.13	x	x	x													
D	Standards of Performance for Fossil-Fuel Fired Steam Generators	260.46	260.45																
Da	Standards of Performance for Electric Utility Steam Generating Units Constructed After September 18, 1978		260.47a 260.48a 260.49a																
Db	Standards of Performance for Industrial-Commercial-Institutional Steam Generating	260.45b 260.46b	260.47b 260.48b 260.49b																
E	Standards of Performance for Incinerators	260.54	260.53																
I	Standards of Performance for Asphalt Concrete Plants	260.93																	
K	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and Prior to May 19, 1978		260.113																
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978																		
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984	260.113a	260.115a																
		260.113b	260.115b 260.116b																



**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Rule Section	Facility	Perennial Flare	John Zink Flare													Future Effective Date
<b>Subpart</b>																			
L	Standards of Performance for Secondary Lead Smelters	260.123																	
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	260.133																	
O	Standards of Performance for Sewage Treatment Plants	260.154	260.153																
DD	Standards of Performance for Grain Elevators	260.303																	
EE	Standards of Performance for Surface Coating Metal Furniture	260.313 260.316	260.314 260.315																
GG	Standards of Performance for Stationary Gas Turbines	260.335	260.334																
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	260.433 260.435	260.434																
RR	Standards of Performance for the Pressure Sensitive Tape and Label Surface Coating Operations	260.444 260.446	260.445 260.447																
SS	Standard of Performance for the Industrial Surface Coating Large Appliances	260.453	260.454																
TT	Standards of Performance for Metal Coil Surface Coating	260.456 260.463 260.466	260.455 260.464 260.465																
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	260.543 260.547	260.544 260.545 260.546																
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	260.584	260.584																
JJJ	Standards of Performance for Petroleum Dry Cleaners	260.583	260.585																
<b>SUBPART New Source Performance Standards (40 CFR 60)</b>																			
Cb, F	Portland Cement Plants																		
Dc	Small Industrial - Commercial - Institutional Steam Generators > 10 MM Btu but < 100 MM Btu.																		
Ea	Municipal Waste Combustors																		
G	Nitric Acid Plants																		
H & Cb	Sulfuric Acid Plants																		

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Perennial Flare	John Zink Flare													Future Effective Date
<b>Subpart</b>																			
N	Oxygen Process Furnaces																		
Na	Oxygen Process Steelmaking Facilities																		
P	Primary Copper Smelters																		
Q	Primary Zinc Smelters																		
R	Primary Lead Smelters																		
S	Primary Aluminum Reduction Plants																		
T & U	Phosphate Fertilizer Industry																		
V,W,X	Phosphate Fertilizer Industry																		
Y	Coal Preparation Plants																		
Z	Ferroalloy Production Facilities																		
AA, AAa	Steel Plants																		
BB	Kraft Pulp Mills																		
CC	Glass Manufacturing Plants																		
HH	Lime Manufacturing Plants																		
KK	Lead-Acid Battery Manufacturing Plants																		
LL	Metallic Mineral Processing Plants																		
MM	Automobile and Light-Duty Truck Surface Coating Operations																		
NN	Phosphate Rock Plants																		
PP	Ammonium Sulfate Manufacture																		
UU	Asphalt Processing and Asphalt Roofing Manufacture																		
VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.																		
WW	Beverage Can Surface Coating Industry																		
XX	Bulk Gasoline Terminals																		
AAA	New Residential Wood Heaters																		
DDD	VOC Emissions from the Polymer Mfg. Ind.																		
GGG	Equipment Leaks of VOC in Petroleum Refineries.																		

## TITLE V APPLICATION

## REGULATION XI - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Reports, Rule Section	Facility	Perennial Flare	John Zink Flare													Future Effective Date
<b>Subpart</b>																			
E	Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkali Cells; and Sludge Incinerators.																		
F	Ethylene Dichloride Mfg. Via Oxygen, HCl and Ethylene; Vinyl Chloride Mfg.; and Polyvinyl Chloride Mfg.																		
M	Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste.																		
<b>SUBPART NESHAPS (40 CFR 61)</b>																			
B,Q,R, T,W,	Underground Uranium Mines; Dept. of Energy Facilities; Phosphorus Fertilizer Plants; & Facilities Processing or Disposing of Uranium Ore & Tailings.																		
H,I,K	Dept. of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants. (Radionuclide)																		
J,L,Y, BB,FF	Fugitive Process, Storage, and Transfer Equipment Leaks; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operations; and Benzene Waste Operations.																		
N,O,P	Glass Manufacturer; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities.																		
V	Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, etc. in VHAP Service.																		
<b>SUBPART MACT Standards (40 CFR 63)</b>																			
F,G, H,I	Amendment: Reopening, Averaging Issue																		
L	Coke Ovens																		
O	Ethylene Oxide Sterilizers																		
Q	Industrial Process Cooling Towers																		
R	Gasoline Distribution Facilities																		

**TITLE V APPLICATION**  
**Applicable Requirements Summary Checklist (FORM 1401-H1) - continued**

RULE	RULE DESCRIPTION	Test Method or Rule Section	Monitoring, Records, Reports, Rule Section	Facility	Perennial Flare	John Zink Flare													Future Effective Date
------	------------------	-----------------------------	--	----------	-----------------	-----------------	--	--	--	--	--	--	--	--	--	--	--	--	-----------------------

**Subpart**

T	Halogenated Solvent Cleaning Degreasing																		
X	Secondary Lead Smelters																		
Y	Marine Tank Loading/Unloading																		
CC	Petroleum Refineries																		
DD	Off-Site Waste and Recovery Operations																		
EE	Magnetic Tape																		
GG	Aerospace (Coatings)																		
II	Shipbuilding for Ship Repair (Surface Coating)																		
JJ	Wood Furniture Industry (Coatings)																		
KK	Printing and Publishing																		
AAAA	Municipal Solid Waste Landfills			x	x	x													
DDDDD	Industrial, Commercial and Institutional Boilers and Process Heaters																		
MMMM	Surface Coating of Miscellaneous Metal Parts and Products																		
PPPP	Surface Coating of Plastic Parts																		
ZZZZ	Reciprocating Internal Combustion Engines																		
YYYY	Stationary Combustion Turbines																		

**California Airborne Toxic Control Measures (ATCM)**  
**17 CCR**

\$93102	Hexavalent Chromium ATCM for Chrome Plating and Chromic Acid Anodizing Operations																		
\$93109	ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations																		

	<b>40 CFR Part 68 RMP</b>																		
	<b>Title IV - Acid Rain (40 CFR 72)</b>																		

**Title VI-Ozone Depleting Compounds (40 CFR 82)**

B	Servicing of Motor Vehicle Air Conditioners	B		x															
F	Servicing of Other Air Conditioners	F		x															



**San Diego County Air Pollution Control District**  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**LIST OF PERMITS BY EQUIPMENT CATEGORY (FORM 1401-H2)**

<b>Company Name</b>	<b>District Use Only</b>
<u>Otay Landfill, Inc.</u>	NEDS # _____
Facility Address: <u>1700 Maxwell Rd., Chula Vista CA, 91910</u>	SITE ID # _____

**PERMITTED EMISSION UNITS BY EQUIPMENT CATEGORY**

In the emission unit (equipment) category order entered on Form 1401-H1, Applicable Requirements Summary Checklist, list emission units by permit number for the specific emission unit (equipment) category. Under the column labeled status place an "O" if operational, "N" if non-operational, or "S" if the equipment is new and currently operating under a startup authorization. **If more space is required, use additional forms. Please type or print legibly.**

Emission Unit Category	Application/ Permit No.	Status of Emission Unit
Landfill	971112	O
Enclosed Perennial Flare	971112	O
Enclosed John Zink Flare	971112	O

San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Certification Statement (FORM 1401-1)**

Company Name	District Use Only
Otay Landfill, Inc.	NEDS # _____
Facility Address: 1700 Maxwell Rd., Chula Vista CA, 91910	SITE ID # _____

*Under penalty of perjury, identify the following: (Read each statement carefully and check each box for confirmation.)*

Applicable      Not  
                            Applicable



*Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will continue to comply with the applicable requirement with which the source is in compliance. The applicable requirement(s) with which the source(s) is/are not in compliance is/are identified in Form 1401-L, Schedule of Compliance.*



*Based on information and belief formed after reasonable inquiry, the source(s) identified in this application will comply with the future-effective applicable requirement(s) on a timely basis.*



*Based on information and belief formed after reasonable inquiry, the source(s) identified in the Schedule of Compliance application form that is/are not in compliance with the applicable requirement(s), will comply in accordance with the attached compliance plan schedule.*



*Based on information and belief formed after reasonable inquiry, information on application forms, referenced documents, all accompanying reports, and other required certifications are true, accurate, and complete.*



*All fees required by Regulation III, Rule 40 have been paid.*

Signature of Responsible Official

Mr. Neil Mohr  
Print Name of Responsible Official

General Manager  
Title of Responsible Official

Date

1/31/18  
(619) 733-7525  
Telephone No. of Responsible Official

**TITLE V APPLICATION**  
**Compliance Certification Schedule (FORM 1401-K)**

In numerical order, list all sources that have federally enforceable requirements for compliance certification on a more frequent basis than once per year. **If more space is required, use additional forms. Please type or print legibly.**

Page 1 of 1

San Diego County Air Pollution Control District  
10124 Old Grove Road San Diego CA 92131-1649  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Abatement Devices (FORM 1401-M)**

<b>Company Name</b> <u>Otay Landfill, Inc.</u>	<b>District Use Only</b> NEDS # _____ SITE ID # _____
Facility Address: <u>1700 Maxwell Rd., Chula Vista CA, 91910</u>	

**LIST OF ABATEMENT DEVICES**

In numerical order, list all abatement devices, the abatement device, name or description, and the emission unit or operation abated. **If more space is required, use additional forms. Please type or print legibly.**

Permit No(s)	Abatement Device Name or Description	Emission Unit(s) or Operation(s) Abated
971112	Enclosed Perennial Flare	Landfill
971112	Enclosed John Zink Flare	Landfill

San Diego County Air Pollution Control District  
10124 Old Grove Rd., San Diego, CA 92131  
(858) 586-2600 FAX (858) 586-2601

**TITLE V APPLICATION**  
**Insignificant Activity List (FORM 1401-G)**

<b>Company Name</b> <u>Otay Landfill, Inc.</u>	<b>District Use Only</b> <b>NEDS #</b> _____ <b>SITE ID #</b> _____
<b>Facility Address:</b> <u>1700 Maxwell Rd., Chula Vista, CA 91910</u>	

**LIST OF EQUIPMENT – INSIGNIFICANT ACTIVITIES**

Place a check mark in the appropriate box for equipment that is considered an insignificant activity based on throughput or equipment capacity.

**Exemptions based on Size (Capacity)**

<u>(Condensed Language of Rule)</u>	<u>Appendix A Citation</u>
<input checked="" type="checkbox"/> Stationary & portable internal combustion engines with $\leq 50$ bhp output rating	(d)(1)(iii)
<input type="checkbox"/> Stationary gas turbines with a power rating of $< 0.3$ megawatt (MW) or a maximum gross heat input rating of 1 million BTUs per hour	(d)(1)(iv)
<input type="checkbox"/> Water cooling towers & ponds with a capacity $< 10,000$ gal/min not used for evaporative cooling of process water or not used for evaporative cooling of water, contaminated water or industrial waste water from barometric jets or from barometric condensers.	(d)(2)
<input type="checkbox"/> Fuel-burning equipment with a maximum gross heat input rate of $< 1$ million Btu/hour when not part of a process, process line, line, equipment, article, machine or other contrivance for which a permit to operate is required by these Rules and Regulations	(d)(4)(i)
<input type="checkbox"/> Fuel burning equipment with a maximum gross heat input of $< 20$ million Btu/hour, and fired exclusively with natural gas and/or liquefied petroleum gas	(d)(4)(ii)
<input type="checkbox"/> Steam boilers, process heaters, and steam generators with a maximum gross heat input of $< 5$ million Btu/hour	(d)(4)(iii)
<input type="checkbox"/> Crucible-type or pot-type furnaces with a brimful capacity of $< 450$ in <sup>3</sup> of any molten metal	(d)(12)
<input type="checkbox"/> Crucible, pot or induction furnaces with a capacity of $\leq 2500$ in <sup>3</sup> , in which no sweating or distilling is conducted and from which only non-ferrous metals except yellow brass, are poured or non-ferrous metals are held in a molten state	(d)(13)
<input type="checkbox"/> Dry batch mixers with $\leq 0.5$ cubic yards rated working capacity	(d)(27)
<input type="checkbox"/> Batch mixers (wet) with $\leq 1$ cubic yard capacity where no organic solvents, diluents or thinners are used.	(d)(28)
<input type="checkbox"/> Roofing kettles (used to heat asphalt) with a capacity of $\leq 85$ gallons	(d)(33)
<input type="checkbox"/> Abrasive blasting equipment with a manufacturer's-rated sand capacity of $< 100$ lbs or $< 1$ ft <sup>3</sup>	(d)(34)
<input type="checkbox"/> Paper shredders and paper disintegrators that have a capacity of 600 pounds per hour or less, and the associated conveying systems and baling equipment.	(d)(41)
<input type="checkbox"/> Ovens having an internal volume of $\leq 27$ ft <sup>3</sup> in which organic solvents or materials containing organic solvents are charged	(d)(59)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks with a liquid surface area of $\leq 1.0$ ft <sup>2</sup>	(d)(61)(i)
<input type="checkbox"/> Cold solvent cleaning tanks, vapor degreasers, and paint stripping tanks which have a maximum capacity of $\leq 1$ gallon	(d)(61)(ii)



**SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT  
APPLICATION FEE ESTIMATE**

Applicant DBA: SCS - Sycamore LF-Allied Waste Fee Schedule: T&M

APCD Engineer: D. Erwin Estimate Date: 12/13/2017

Equipment Description: Title V renewal - TVP-971226

ACTIVITY	EMPLOYEE CLASSIFICATION	LABOR HOURS	COST	SUBTOTAL
----------	----------------------------	----------------	------	----------

**Initial Evaluation Fee - T&M (Rule 40(d)(3)(i))**

Authority to Construct	Project Engineer	0.0	\$0	\$0
	Senior Engineer	0.0	\$0	
Permit to Operate	Project Engineer	0.0	\$0	\$0
	Senior Engineer	0.0	\$0	

**Initial Evaluation Fee - Fixed Fee (Rule 40(d)(3))**

Authority to Construct/Permit to Operate (fixed fee)	-	\$0
--	---	-----

**Additional Evaluation and Processing Fees (Rule 40(d)(5))**

New Source Review	Project Engineer		\$0	\$0
	Meteorologist		\$0	
Toxics New Source Review	Project Engineer		\$0	\$0
	Air Resources Specialist		\$0	
Title V	Project Engineer	0.0	\$0	\$11,165
	Senior Engineer	55.0	\$11,165	
NESHAPS/ATCM/NSPS	Project Engineer		\$0	\$0
CEQA	Project Engineer		\$0	\$0
AB 3205 Notice	Project Engineer		\$0	\$0
	Public Notice Costs	-		
Testing or Test Witness	Senior Chemist		\$0	\$0
	Associate Engineer		\$0	
	Associate Chemist		\$0	
	Source Test Technician		\$0	

**Miscellaneous Fees**

Processing Fee (Rule 40(d)(1)(ii))	\$104
Renewal Fee (Rule 40(e)(2)(ii))	\$0
Emissions Fee (Rule 40(e)(2)(iv))	

**NOTES:**

**ESTIMATE TOTAL: \$11,269**

- (1) To avoid possible processing delays, this document should be submitted with your application forms.
- (2) The fees contained in this estimate are based on APCD Rule 40.
- (3) Final fee may be more or less than this estimate (see Rule 40(d)(1)(iii)).
- (4) Emissions determined to be greater than 5 tons per year will be charged a emission fee on a ton per year basis. (see Rule 40 (e)(2)(iv)(A))
- (5) Fees paid by credit card will be assessed a 2.2% processing fee (see Rule 40(d)(1)(v))