

**PETITION FOR VARIANCE  
BEFORE THE HEARING BOARD OF THE  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

SOUTH COAST AQMD  
CLERK OF THE BOARD  
2006 OCT 14 P 4: 53

PETITIONER: City of Los Angeles,  
Bureau of Sanitation

CASE NO: 1212-41  
FACILITY ID: 049805

FACILITY ADDRESS: 11950 Lopez Canyon Rd.  
*[location of equipment/site of violation; specify business/corporate address, if different, under Item 2, below]*

City, State, Zip: Sylmar, CA, 91342

1. TYPE OF VARIANCE REQUESTED (more than one box may be checked; see Attachment A, Item 1, before selecting)

☒ INTERIM    ☐ SHORT    ☒ REGULAR    ☐ EMERGENCY    ☐ EX PARTE EMERGENCY

2. CONTACT: Name, title, company (if different than Petitioner), address, and phone number of persons authorized to receive notices regarding this Petition (no more than two authorized persons).

Miguel Zermeno, Division Manager,

Gabriel Miranda, Assistant Director

SRPCD, LASAN, City of Los Angeles

LASAN, City of Los Angeles

1149 S. Broadway, 5th Floor

1149 S. Broadway, 9th Floor

Los Angeles, CA                      Zip 90015

Los Angeles, CA                      Zip 910015

☎ (213) 485-3611                      Ext.

☎ (213) 485-2210                      Ext.

Fax (213)

Fax (213)

E-mail miguel.zermeno@lacity.org

E-mail gabriel.miranda@lacity.org

3. RECLAIM Permit    ☐ Yes    ☐ No                      Title V Permit    ☒ Yes    ☐ No

*Persons with disabilities may request this document in an alternative format by contacting the Clerk of the Board at 909-396-2500 or by e-mail at [clerkofboard@aqmd.gov](mailto:clerkofboard@aqmd.gov).*

*If you require disability-related accommodations to facilitate participating in the hearing, contact the Clerk of the Board at least five (5) calendar days prior to the hearing.*

**[ALL DOCUMENTS FILED WITH CLERK'S OFFICE BECOME PUBLIC RECORD]**

4. **GOOD CAUSE:** Explain why your petition was not filed in sufficient time to issue the required public notice. (Required only for Emergency and Interim Variances; see Attachment A, Item 4)

The Lopez Canyon Landfill is a closed landfill that stopped taking trash in 1996. Most of the collected gas is being used for energy production.

LASAN, Solid Resources Processing & Construction Division (SRPCD), explored multiple avenues to make the required repairs to an identified hot spot to ensure compliance; however, the methods that had been previously attempted to repair this type of hot spot did not work in this case. LASAN tried an engineering repair by placing slurry on the entire parking lot, over 10,000 square feet, to seal all potential cracks, but it failed. LASAN believed it could leverage existing city construction and engineering contracts, as well as emergency service request orders, after its third exceedance, to add a new well aimed at reducing emissions. Unfortunately, the strict city contractual and purchasing process, combined with the lack of an experienced contractor to drill new gas wells, prevents all avenues from providing a solution within the 45-day deadline.

LASAN is working on hiring an experienced company able to drill new wells in a closed landfill. The city has identified a company that can perform the work but will need at least 90 more days to quote the work, approve the work, and mobilize and complete the work.

5. Briefly describe the type of business and processes at your facility.

The Lopez Canyon Landfill is a closed landfill that ceased accepting trash in 1996. Since its closure, a gas collection system established as part of the landfill closure plan has collected most of the methane gas produced. All of the collected gas is utilized for energy production. An on-site power plant generates three megawatts of energy.

6. List the equipment and/or activity(s) that are the subject of this petition (see Attachment A, Item 6, Example #1). **Attach copies of the Permit(s) to Construct and/or Permit(s) to Operate for the subject equipment. For RECLAIM or Title V facilities, attach *only* the relevant sections of the Facility Permit showing the equipment or process and conditions that are subject to this petition. You must bring the entire Facility Permit to the hearing.**

| Equipment/Activity                                     | Application/<br>Permit No. | RECLAIM<br>Device No. | Date<br>Application/Plan<br>Denied<br>(if relevant)* |
|--------------------------------------------------------|----------------------------|-----------------------|------------------------------------------------------|
| Illection system, installation of a new well after thi | F24432                     |                       |                                                      |
|                                                        |                            |                       |                                                      |
|                                                        |                            |                       |                                                      |
|                                                        |                            |                       |                                                      |

\*Attach copy of denial letter

7. Briefly describe the activity or equipment, and why it is necessary to the operation of your business. A schematic or diagram may be attached, in addition to the descriptive text.

The Lopez closed landfill spans over 160 acres and has more than 400 well heads that are maintained daily.

We must ensure the landfill remains in regulatory compliance. According to SCAQMD rule 1150.1(e)(3)(C), the installation of a new or replacement gas well is required after a third exceedance from a hot spot. Recent remonitoring confirmed a third exceedance at Grid 105; to mitigate ongoing methane emissions, it is necessary to install a new gas well. This action is crucial for public safety, compliance with permits, and the overall upkeep of the landfill.

8. Is there a regular maintenance and/or inspection schedule for this equipment? Yes ☒ No ☐  
If yes, how often: Quarterly Date of last maintenance and/or inspection 8/13/2026

Describe the maintenance and/or inspection that was performed.

Per our alternative compliance plan permit, instantaneous surface monitoring shall be conducted to determine the concentration of total organic compounds (TOC) each calendar quarter. The inspection of Grid 105 was being performed in accordance to Rule 1150.1(e)(3) Section 3.0, Attachment A. The hotspot was found during a routine quarterly inspection.

9. List all South Coast AQMD rules, and/or permit conditions [indicating the specific section(s) and subsection(s)] from which you are seeking variance relief (if requesting variance from Rule 401 or permit condition, see Attachment A). Briefly explain how you are or will be in violation of each rule or condition (see Attachment A, Item 9, Example #2).

| Rule            | Explanation                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| 1150.1(e)(3)(c) | Will not be able to install new well within 45 days, need additional time to bring contractor onboard for installation |
|                 |                                                                                                                        |
|                 |                                                                                                                        |
|                 |                                                                                                                        |

10. Are the equipment or activities subject to this request currently under variance coverage? Yes ☐ No ☒

| Case No. | Date of Action | Final Compliance Date | Explanation |
|----------|----------------|-----------------------|-------------|
|          |                |                       |             |
|          |                |                       |             |

11. Are any other equipment or activities at this location currently (or within the last six months) under variance coverage? Yes ☐ No ☒

| Case No. | Date of Action | Final Compliance Date | Explanation |
|----------|----------------|-----------------------|-------------|
|          |                |                       |             |
|          |                |                       |             |

12. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning this equipment or activity within the past year? Yes ☐ No ☒

If yes, you must attach a copy of each notice.

13. Have you received any complaints from the public regarding the operation of the subject equipment or activity within the last six months? Yes ☐ No ☒

If yes, you should be prepared to present details at the hearing.

14. Explain why it is beyond your reasonable control to comply with the rule(s) and/or permit condition(s). Provide specific event(s) and date(s) of occurrence(s), if applicable.

The city procurement process for hiring non-contracted services requires a minimum of 60 to 90 days for funding approval and authorization. Additionally, there is a minimum requirement of 30 days for the contractor to mobilize and perform the work. Following the third exceedance on August 31, 2026, the earliest that the necessary new well could be installed would be between November 30 and December 10, 2026. This timeline means the city will not be able to implement the project within the required 45 days. Meeting the 45-day deadline poses significant challenges due to the numerous approval requirements.

15. When and how did you first become aware that you would not be in compliance with the rule(s) and/or permit condition(s)? Provide specific event(s) and date(s) of occurrence(s).

After the third exceedance occurred on August 31, 2026, LASAN scrambled to look for contracts that could provide drilling services. Unfortunately, the city does not have any existing contracts for the specialized services. Additionally, any contractor able to perform the work needs to conduct their due diligence by visiting the site, consulting their team, providing surveying plans, ensuring they can perform the work, and having heavy equipment (a drilling rig) available.

16. List date(s) and action(s) you have taken since that time to achieve compliance. That the Petition Form HB-V, and any related instructions, include requirement that the Petitioner include a timeline in suitable, chronological format to address the events, dates, and actions called for by Questions 15 and 16, including the dates of communication with the South Coast AQMD to notify them of the occurrence(s) giving rise to the requested variance.

August 31, 2026 - Made internal management aware of the exceedance.

September 2, 2026 - Initiated contact with current contract managers to determine if any drilling subcontractors were included in their contracts.

September 3, 2026 - Reached out to power plant operator for assistance September 8, 2026 - Started reaching out to contract managers about piggybacking off of their contractor regardless of whether they had a drilling subcontractor onboard.

September 16, 2026—The process to bring a drilling subcontractor onboard would be far too lengthy to meet the 45-day deadline; still, movement was made on this front in case no other avenues were successful.

September 23, 2026—After multiple meetings and emails, no drilling subcontractor was found within existing contracts.

October 6, 2026—An AQMD engineer is contacted and sent a letter asking for a time extension for Lopez Canyon Landfill (ID 049805) to install a new well.

October 7, 2026—An AQMD engineer directs LASAN staff to the variance process, saying the variance is the only option for a time extension.

17. What would be the harm to your business during **and/or after** the period of the variance if the variance were not granted?

Economic losses: \$ Daily violation fee x 180 days

Number of employees laid off (if any): N/A

Provide detailed information regarding economic losses, if any, (anticipated business closure, breach of contracts, hardship on customers, layoffs, and/or similar impacts).

The city of Los Angeles is facing financial hardship that has reduced and impacted safety and health services for the residents. If the variance is not approved, the city could face a financial penalty that residents will be taxed to cover due to permit violations.

18. Can you curtail or terminate operations in lieu of, or in addition to, obtaining a variance? Please explain.

Not applicable, surface emission at Grid 105 will keep occurring until new gas well is installed.

19. Estimate excess emissions, if any, on a daily basis, including, if applicable, excess opacity (the percentage of total opacity above 20% during the variance period). If the variance will result in no excess emissions, insert "N/A" here and skip to No. 20.

| Pollutant | (A)                                        | (B)                                   | (C)*                                     |
|-----------|--------------------------------------------|---------------------------------------|------------------------------------------|
|           | Total Estimated Excess Emissions (lbs/day) | Reduction Due to Mitigation (lbs/day) | Net Emissions After Mitigation (lbs/day) |
| N/A       |                                            |                                       |                                          |
|           |                                            |                                       |                                          |
|           |                                            |                                       |                                          |

\* Column A minus Column B = Column C

Excess Opacity: \_\_\_\_\_ %

20. Show calculations used to estimate quantities in No. 19, or explain why there will be no excess emissions.

The hot spot in grid 105 will continue to emit surface emissions, but the installation of a new well is expected to solve the problem.

21. Explain how you plan to reduce (mitigate) excess emissions during the variance period to the maximum extent feasible, or why reductions are not feasible.

The plan is that during the approved variance period, city staff will be placing a layer of slurry, and a contractor will come on-site to install new wells to mitigate the existing uncontrolled hot spot or any potential surface emission. The engineering solution will reduce the emission below 500 ppmv. Afterwards, the grid will be monitored on a weekly basis until the new well fixes the problem.

22. How do you plan to monitor or quantify emission levels from the equipment or activity(s) during the variance period, and to make such records available to the District? **Any proposed monitoring does not relieve RECLAIM facilities from applicable missing data requirements.**

The high emissions grid will be monitored on a weekly basis. Emission levels will be recorded during each inspection, and a slurry layer will be added until the new well is installed. Records will be made available to the district.

23. How do you intend to achieve compliance with the rule(s) and/or permit condition(s)? Include a detailed description of any equipment to be installed, modifications or process changes to be made, permit conditions to be amended, etc., dates by which the actions will be completed, and an estimate of total costs.

LASAN is planning to achieve compliance by adding a new gas well near the identified hot spot. The hot spot is located near the landfill perimeter on the north side. The new gas well will be at a minimum depth of 50 feet and a maximum depth of 80 feet due to the location of the hot spot. LASAN is in final discussion with the drilling company, but the contractor still needs to complete some work at the Chiquita landfill before taking the city job. The equipment to be installed includes well casing, well header, and removal of the dirt. The new well will be connected to the existing gas collection system.

The contractor has provided a range of dates when the installation will take place, from November 30 to December 16, 2026. If there are any delays, we anticipate that the final completion will be by December 31, 2026. The estimated cost for this work is approximately \$40,000. This includes surveying work and updating the design plans.

24. State the date you are requesting the variance to begin: October 15, 2026; and the date by which you expect to achieve final compliance: December 31, 2026.

If the regular variance is to extend beyond one year, you **must** include a **Schedule of Increments of Progress**, specifying dates or time increments for steps needed to achieve compliance. See South Coast AQMD Rule 102 for definition of Increments of Progress (see Attachment A, Item 24, Example #3).

List Increments of Progress here:

N/A

25. List the names of any South Coast AQMD personnel with whom facility representatives have had contact concerning this variance petition or any related Notice of Violation or Notice to Comply.

Jaime Reynoso, Engineer Ext. 2597  
 \_\_\_\_\_ Ext. \_\_\_\_\_

26. If the petition was completed by someone other than the petitioner, please provide their name and title below.

Miguel Zermeno, City of Los Angeles, Bureau of Sanitation, Division Manager  
 Name Company Title

The undersigned, under penalty of perjury, states that the above petition, including attachments and the items therein set forth, is true and correct.

Executed on October 14, 2026, at Los Angeles, California

Miguel Zermeno Miguel Zermeno  
 Signature Print Name

Title: Division Manager

#### THIS SECTION IS FOR SMALL BUSINESSES ONLY

27. **SMALL BUSINESS ELIGIBILITY and TABLE III SCHEDULE A FEES:** To be eligible for reduced fees for small businesses, individuals, or entities meeting small business gross receipts criterion [see District Rule 303(h)], you must complete the following:

#### ***Declaration For Reduced Fee Eligibility***

1. The petitioner is  
 a) ☐ an individual, or  
 b) ☐ an officer, partner or owner of the petitioner herein, or a duly authorized agent of the petitioner authorized to make the representations set forth herein.

***If you selected 1a, above, skip item 2.***

2. The petitioner is  
 a) ☐ a business that meets the following definition of Small Business as set forth in District Rule 102:



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Title Page  
Facility ID: 049805  
Revision #: 5  
Date: April 12, 2018

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## FACILITY PERMIT TO OPERATE

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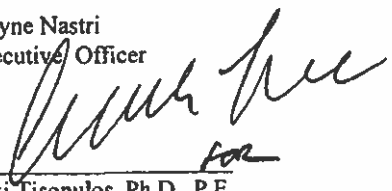
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)  
11950 LOPEZ CANYON RD  
LAKE VIEW TERRACE, CA 91342

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Wayne Nastri  
Executive Officer

By   
Laki Tisopulos, Ph.D., P.E.  
Deputy Executive Officer  
Engineering and Permitting



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**TABLE OF CONTENTS**

| Section  | Description                                                                    | Revision #      | Date Issued |
|----------|--------------------------------------------------------------------------------|-----------------|-------------|
| A        | Facility Information                                                           | 3               | 08/03/2017  |
| B        | RECLAIM Annual Emission Allocation                                             | 2               | 08/03/2017  |
| C        | Facility Plot Plan                                                             | TO BE DEVELOPED |             |
| D        | Facility Description and Equipment Specific Conditions                         | 2               | 08/03/2017  |
| E        | Administrative Conditions                                                      | 2               | 08/03/2017  |
| F        | RECLAIM Monitoring and Source Testing Requirements                             | 2               | 08/03/2017  |
| G        | Recordkeeping and Reporting Requirements for RECLAIM Sources                   | 2               | 08/03/2017  |
| H        | Permit To Construct and Temporary Permit to Operate                            | 2               | 08/03/2017  |
| I        | Compliance Plans & Schedules                                                   | 4               | 04/12/2018  |
| J        | Air Toxics                                                                     | 2               | 08/03/2017  |
| K        | Title V Administration                                                         | 2               | 08/03/2017  |
| Appendix |                                                                                |                 |             |
| A        | NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219 | 2               | 08/03/2017  |
| B        | Rule Emission Limits                                                           | 2               | 08/03/2017  |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 11950 LOPEZ CANYON RD  
LAKE VIEW TERRACE, CA 91342

**MAILING ADDRESS:** 1149 SOUTH BROADWAY, 5TH FLOOR  
LOS ANGELES, CA 90015

**RESPONSIBLE OFFICIAL:** KHALIL GHARIOS

**TITLE:** SRPCD DIVISION MANAGER

**TELEPHONE NUMBER:** (213) 485-3002

**CONTACT PERSON:** JOHN HAMILTON

**TITLE:** ENVIRONMENTAL ENGINEER

**TELEPHONE NUMBER:** (213) 847-2700

**TITLE V PERMIT ISSUED:** August 03, 2017

**TITLE V PERMIT EXPIRATION DATE:** August 02, 2022

| TITLE V |        | RECLAIM |  |
|---------|--------|---------|--|
| YES     | NOx:   | NO      |  |
|         | SOx:   | NO      |  |
|         | CYCLE: | 0       |  |
|         | ZONE:  | INLAND  |  |



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                 |
|--------------|-----------------|
| Section B    | Page: 1         |
| Facility ID: | 049805          |
| Revision #:  | 2               |
| Date:        | August 03, 2017 |

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                 |
|--------------|-----------------|
| Section C    | Page: 1         |
| Facility ID: | 049805          |
| Revision #:  | 2               |
| Date:        | August 03, 2017 |

## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**Facility Equipment and Requirements  
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct/Operate and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**PERMITTED EQUIPMENT LIST**

The following is a list of all Permits to Construct/Operate and Permits to Operate at this facility:

| Application No. | Permit No. | Equipment Description                   | Page No. |
|-----------------|------------|-----------------------------------------|----------|
| 245157          | F38381     | Landfill Gas Flaring System             | 6        |
| 285869          | F24432     | Landfill Gas Collection (>50 wells)     | 11       |
| 307436          | D95161     | Landfill Condensate/Leachate/Collection | 15       |
| 332971          | F10315     | ICE (50-500 HP) Emergency Gen-diesel    | 17       |
| 478490          | N20781     | Fuel Storage and Dispensing Facility    | 18       |

**NOTE:** Permits to Construct (if any) are listed in Section H of this facility permit. Any other applications that are still being processed and have not been issued Permits to Construct or Permits to Operate will not be found in this Title V Permit.



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **FACILITY WIDE CONDITION(S)**

**Condition(s):**

1. Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
  - A. As dark or darker in shade as that designated No. 1 on the Ringlemann chart, as published by the United States Bureau of Mines; or
  - B. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (A) of this condition.[Rule 401]
2. The operator shall not purchase diesel fuel unless the fuel is low sulfur diesel for which the sulfur content shall not exceed 15 ppm by weight.  
[Rule 431.2]
3. The operator shall not use landfill gas containing sulfur compounds in excess of 150 ppmv calculated as hydrogen sulfide averaged daily.  
[Rule 431.1]
4. This facility is subject to the applicable requirements of the following rules and regulations:

Gaseous Emissions: 1150.1  
Gaseous Emissions: 40 CFR 60 Subpart WWW  
Gaseous Emissions: 40 CFR 63 Subpart AAAA
5. The owner/operator of a MSW landfill shall comply with the following:
  - A. Install and operate a wind speed and direction monitoring system with a continuous recorder. For wind speed, use a 3 cup assembly with a range of 0 to 50 miles an hour, with a threshold of 0.75 mile per hour or less. For wind direction, use a vane with a range of 0 to 340 degrees azimuth, with a threshold of plus-minus 2 degrees. An approved alternative may be used in lieu of the above.
  - B. Monitor and collect monthly, or as per the approved 1150.1 alternative, samples for analysis of TOC and TAC from the subsurface refuse boundary sampling probes.
  - C. Operate the collection system to prevent the concentration of TOC measured as methane from exceeding 5% by volume in subsurface refuse boundary sampling probes.
  - D. Collect monthly, or as per the approved 1150.1 alternative, integrated samples for analysis of TOC and TAC from the landfill surface.
  - E. Operate the collection and control system to prevent the concentration of TOC measured as methane from exceeding 25 ppmv as determined by integrated samples taken on numbered 50,000 square foot landfill grids or as per the approved 1150.1 alternative.
  - F. Monitor quarterly, or as per the approved 1150.1 alternative, the landfill surface for TOC.



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

- G. Operate the collection and control system to prevent the concentration of TOC measured as methane from exceeding 500 ppmv above background as determined by instantaneous monitoring at any location on the landfill, except at the outlet of any control device.
  - H. Operate the gas collection and control system so that there are no leaks that exceed 500 ppmv TOC measured as methane at any component under positive pressure.
  - I. Collect monthly, or as per the approved 1150.1 alternative, landfill gas samples for analysis of TOC and TAC from the main gas collection header line entering the gas treatment and/or gas control system.
  - J. Collect monthly, or as per the approved 1150.1 alternative, ambient air samples for analysis of TOC and TAC from the landfill property boundary.
  - K. Operate the gas collection and control system at all times for landfills with active collection systems.
  - L. Operate all wellheads so the gauge pressure is under a constant vacuum, except during well head raising and/or repair and temporary shutdown due to a catastrophic event.  
[Rule 1150.1]
6. The owner/operator of a MSW landfill shall comply with the following:
- A. Operate the collection system such that the gas is collected from each area, cell or group of cells of the landfill in which the initial solid waste has been in place for a period of:
    - 1. 5 years or more if active; or
    - 2. 2 years or more if closed or at final grade
  - B. Operate the collection system with negative pressure at each well-head except under the following conditions:
    - 1. During a fire or increased well temperature – The owner/operator shall record the instances when positive pressure occurs in efforts to prevent a fire. This report shall be submitted with the annual reports as provided in §60.757(f)(1).
    - 2. Whenever a geomembrane or synthetic cover is in place – The owner/operator shall develop acceptable pressure limits in the design plan.
    - 3. When a well is decommissioned – A well may experience a static positive pressure after shut down to accommodate for declining flows.
  - C. Operate each interior wellhead in the collection system with a landfill gas temperature less than 55 degrees C and with either a nitrogen level less than 20% or an oxygen level less than 5% as determined by methods describe in §60.753(c).
  - D. Operate the collection system so that the methane concentration is less than 500 ppm above background at the surface of the landfill as determined in accordance with monitoring procedures specified in §60.753 and 60.754.
  - E. Operate the collection system such that all collected gases are vented to a control system designed and operated in compliance with §60.752(b)(2)(iii).
  - F. Operate the collection and control system in compliance with test methods and procedures of §60.754.



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                |
|--------------|----------------|
| Section D    | Page: 5        |
| Facility ID: | 049805         |
| Revision #:  | 2              |
| Date:        | August 3, 2017 |

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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- G. Operate the collection and control system in compliance with compliance provisions of §60.755.
- H. Operate the collection and control system in compliance with monitoring procedures of §60.756.
- I. Operate the collection and control system in compliance with reporting requirements of §60.757.
- J. Operate the collection and control system in compliance with record keeping requirements of §60.758.  
[Gaseous Emissions: 40 CFR 60 Subpart WWW]



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### PERMIT TO OPERATE

Permit No. F38381  
A/N 245157

#### Equipment Description:

Landfill Gas Flaring System consisting of:

1. Two (2) Landfill Gas Filter/Knockout Vessels (V-1, V-1A), each 5'0" Dia. x 14'-0" H, with a demister, a liquid level of control system, and a condensate pump, driven by a 1/3 HP motor.
2. Three (3) blowers, Hoffman, Model No. 74102A5, each 3,800 scfm at 25" W.C. vacuum 10" W.C. discharge, driven by a 50 HP motor.
3. One blower, standby, Hauck MFG. Co., Model No. TBGB-091-311J, 5,000 scfm at 36" W.C. vacuum and 16" W.C. discharge, driven by a 75 HP motor.
4. Seven (7) Flame Arrestors.
5. Seven (7) Flares (I-2, I-3, I-4, I-5, I-7, I-8, I-9), 8'-4" O.D. x 24'-4" H., spud-type hex burner, propane gas pilot, electric ignitor, UV flame sensor, automatic shut-down and alarm system, automatic combustion air regulating system and temperature controller.

#### Conditions:

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.  
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.  
[Rule 204]
3. This equipment shall be operated by personnel properly trained in its operation.  
[Rule 204]
4. Each flare shall be equipped with a temperature indicator and recorder which measures and records the gas temperature in the flare stack. The temperature indicator and recorder shall operate whenever the flare is in operation. The temperature shall be measured at a location above the flame zone, at least 0.6 second downstream of the burner and not less than five (5) feet from the top of the stack.  
[Rule 1150.1, 1303(a)(1)-BACT, 40 CFR 60 Subpart WWW, 40 CFR 63 Subpart AAAA]
5. Whenever the flare is in operation, a temperature of not less than 1400 degrees F, as measured by the temperature indicator and recorder, shall be maintained in the flare stack.  
[Rule 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

6. A flow indicating and recording device shall be installed in the landfill gas supply line to the flare station to measure and record the quantity of landfill gas (in scfm) being burned in the flare station. The flow indicating and recording device shall operate continuously whenever the flare is in operation.  
[Rule 1303(b)(2)-Offset]
7. A flow indicating and recording device shall be installed in the landfill gas supply line to each flare to measure and record the quantity of landfill gas (in scfm) being burned in each flare. The flow indicating and recording device shall operate continuously whenever the flare is in operation.  
[Rule 1150.1, 1303(a)(1)-BACT, 40 CFR 60 Subpart WWW, 40 CFR 63 Subpart AAAA]
8. The total volume of landfill gas burned in each flare shall not exceed 1,250 standard cubic feet per minute.  
[Rule 1303(b)(2)-Offset]
9. The total volume of landfill gas burned through the combination of all operating flares shall not exceed 8,750 standard cubic feet per minute.  
[Rule 1303(b)(2)-Offset]
10. The flare system shall be equipped with an automatic shut-down system with a failure alarm, which has been approved by the Executive Officer, to automatically isolate the flare(s) from the landfill gas supply line, shut off the blowers and immediately notify a responsible party of the shut-down.  
[Rule 1303(a)(1)-BACT]
11. The automatic shut-down safety system shall be tested monthly for proper operation and the results recorded.  
[Rule 1303(a)(1)-BACT]
12. All recording devices shall be synchronized with respect to the time of day.  
[Rule 1303(b)(2)-Offset]
13. A sampling port shall be installed and maintained at the inlet gas line to the flare(s) to allow the collection of a landfill gas sample and for flow rate testing.  
[Rule 217, 431.1, 1150.1]
14. Four (4) sampling ports shall be provided in each flare stack at least five (5) feet upstream of the flare outlet. Each sampling port shall consist of a four-inch coupling with plug. All ports shall be properly centered. An equivalent method of emission sampling may be used upon approval by the Executive Officer. Adequate and safe access to all source test ports shall be provided within twenty-four (24) hours of a request by the SCAQMD to conduct a test.  
[Rule 217]
15. The maximum flare skin temperature at any location shall not exceed 250 degrees F.  
[Rule 217]
16. Operation of this equipment shall not result in the release of raw landfill gas into the atmosphere. Any breakdown or malfunction which results in emissions of raw landfill gas shall be reported to the SCAQMD Compliance Manager of Toxics and Waste Management Team within one hour after occurrence, or within one hour of the time city of Los Angeles personnel knew or reasonably should have known of its occurrence, and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere.  
[Rule 402, 430, 1150.1]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

17. The applicant shall submit annual written results of performance tests performed in accordance with SCAQMD approved test procedures within 45 days of anniversary of initial tests. Written notice of the performance tests shall be provided to the SCAQMD 10 days prior to the testing so that an observer may be present. All source testing and analytical methods shall be submitted to the SCAQMD for approval at least 30 days prior to start of tests. The tests shall include, but may not be limited to, a test of the inlet gas to the flare and the flare exhaust for:
- A. Methane
  - B. Total Non-Methane Organics
  - C. Oxides of Nitrogen (exhaust only)
  - D. Carbon Monoxide (exhaust only)
  - E. Total Particulates (exhaust only)
  - F. Hydrogen Sulfide (inlet only)
  - G. C1 through C3 sulfur compounds (speciated)(inlet only)
  - H. Carbon Dioxide
  - I. Rule 1150.1 Table 1 compounds
  - J. Oxygen
  - K. Nitrogen
  - L. Moisture content
  - M. Temperature
  - N. Flow rate
  - O. NMOC destruction efficiency
  - P. Btu content (inlet only)
- [Rule 1150.1, 1303(a)(1)-BACT, 1303(b)(2)-Offset, 1401, 40 CFR 60 Subpart WWW, 40 CFR 63 Subpart AAAA]

18. Emissions resulting from each flare shall not exceed the following:

| Pollutant               | lbs/hour |
|-------------------------|----------|
| NOx, as NO <sub>2</sub> | 2.1      |
| SOx, as SO <sub>2</sub> | 0.38     |
| CO                      | 0.35     |
| PM                      | 0.46     |
| NMHC, as Methane        | 0.63     |

[Rule 1303(b)(2)-Offset]

19. Total emissions resulting from the flare station shall not exceed the following:

| Pollutant               | lbs/hour |
|-------------------------|----------|
| NOx, as NO <sub>2</sub> | 9.4      |
| SOx, as SO <sub>2</sub> | 2.7      |
| CO                      | 2.5      |
| PM                      | 3.2      |
| NMHC, as Methane        | 4.4      |

[Rule 1303(b)(2)-Offset]

20. Oxides of nitrogen emissions shall not exceed 0.06 pounds per million Btus inlet gas.  
[Rule 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

21. Carbon monoxide emissions shall not exceed 0.01 pounds per million Btus inlet gas.  
[Rule 1303(b)(2)-Offset]
22. Particulate emissions shall not exceed 6.1 pounds per million cubic feet inlet gas.  
[Rule 1303(b)(2)-Offset]
23. The flare shall be equipped with a sufficient number of view ports to allow visual inspection of the flame height within the flare at all times. Safe and adequate access shall be provided for all view ports upon request by SCAQMD personnel.  
[Rule 217, 1303(a)(1)-BACT]
24. The operator shall operate and maintain this equipment according to the following requirements:
  - A. Continuous exhaust temperature monitoring and recording system shall be pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within plus or minus 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable SCAQMD or EPA approved method.
  - B. Whenever the flares are in operation, a temperature of not less than 1400 degrees F., as measured by the temperature indicator and recorder shall be maintained in each flare stack. For the purpose of this condition, a deviation shall be defined as when a temperature of less than 1,400 degrees F. occurs during normal operation except during startups or shutdowns, not to exceed 30 minutes. The exhaust temperature shall be averaged over a 15-minute period, and hourly average shall be computed from such data points. The temperature records shall be reviewed by the operator on a daily basis to determine if a deviation occurs or an alarm system be installed to alert the operator when a deviation occurs.
  - C. Whenever a deviation occurs from 1,400 degrees F., the operator shall take immediate corrective action, and keep records of the duration and cause of the deviation and the corrective action taken.
  - D. All deviations shall be reported to the SCAQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR part 64.9.
  - E. The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR part 64.8 to the SCAQMD if an accumulation of deviations exceed 5 percent duration of this equipment's total operating time for any semi-annual reporting period. The required QIP shall be submitted to the SCAQMD within 90 calendar days after the due date for the semi-annual monitoring report.
  - F. The operator shall keep adequate records in a format that is acceptable to the SCAQMD to demonstrate compliance with all applicable requirements specified in this permit and 40 CFR Part 64.9 for a minimum of five years.  
[40 CFR Part 64]



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                |
|--------------|----------------|
| Section D    | Page: 10       |
| Facility ID: | 049805         |
| Revision #:  | 2              |
| Date:        | August 3, 2017 |

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**Emissions and Requirements:**

25. This equipment is subject to the applicable requirements of the following rules and regulations:

NMOC: 20 ppmv or 98 weight percent reduction, Rule 1150.1  
NMOC: 20 ppmv or 98 weight percent reduction, 40 CFR 60 Subpart WWW  
NMOC: 20 ppmv or 98 weight percent reduction, 40 CFR 63 Subpart AAAAA  
CO: 2000 ppm, Rule 407  
PM: 0.1 gr/scf, Rule 409  
PM: Rule 404, see Appendix B for emission limits



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### PERMIT TO OPERATE

Permit No. F24432  
A/N 285869

#### Equipment Description:

Landfill Gas Collection System Consisting of:

1. Disposal Area "A"
  - A. Fourteen (14) Horizontal Gas Extraction Wells, each consisting of 6-inch corrugated and perforated PE piping construction.
  - B. Fifty-nine (59) Vertical Gas Extraction Wells, 4-inch well casing, slotted PVC piping construction, 25 to 40 feet deep.
  - C. Twelve (12) Vertical Deep Wells, 4-inch well casing, slotted PVC piping construction, each approximately 150 feet deep.
2. Disposal Area "B"
  - A. Twelve (12) Horizontal Gas Extraction Wells, each consisting of 6-inch corrugated and perforated PE piping construction.
  - B. One hundred thirteen (113) Vertical Gas Extraction Wells, 4-inch well casing, slotted PVC piping construction, 25 to 40 feet deep.
  - C. Twenty-one (21) Vertical Deep Wells, 4-inch well casing, slotted PVC piping construction, each approximately 150 feet deep.
3. Disposal Area "AB+"
  - A. Thirty-six (36) Horizontal Gas Collection Wells, each consisting of 6-inch corrugated and perforated PE piping construction.
  - B. Eighty-one (81) Vertical Gas Extraction Wells, 4-inch well casing, slotted PVC piping construction, approximately 50 feet deep.
  - C. Twenty-three (23) Vertical Deep Gas Extraction Wells, each 4-inch well casing, slotted PVC piping construction, approximately 150 feet deep.
4. Disposal Area "C"
  - A. Seventy-two (72) layers of Horizontal Gas Collection Wells, 6-inch corrugated and perforated PE pipe construction.
  - B. Twenty-four (24) vertical gas extraction wells, 4-inch well casing, slotted PVC piping construction, approximately 50 feet deep.



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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5. Gas transmission header and lateral piping system serving the vertical and horizontal wells to direct the landfill gas to a gas processing/treatment facility.
6. Fifty (50) Vertical Gas Extraction Wells, to be installed as needed.

**Conditions:**

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.  
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.  
[Rule 204]
3. This equipment shall be operated and maintained by personnel properly trained in its operation.  
[Rule 204]
4. During well drilling, an approved emission control box shall be placed over the well hole to collect landfill gas. The collected gas shall either be directed to an operating gas treatment system which has a valid permit issued by the SCAQMD, or vented to a carbon adsorption unit which has sufficient capacity to remove odors when there is no operational gas collection/treatment system available nearby.  
[Rule 402, 1150.1]
5. Construction shall not be conducted between the hours of 6 p.m. and 7 a.m. or on Saturdays, Sundays or legal holidays, unless otherwise approved by the SCAQMD.  
[Rule 402, 1150]
6. Construction shall not be conducted on days when the SCAQMD forecasts second or third stage episodes for area no. 7, or when the SCAQMD requires companies in area no. 7 to implement their second or third stage episode plans. Episode forecasts for the following day can be obtained by calling (800) CUT-SMOG ((800) 288-7664).  
[Rule 402, 1150]
7. Construction shall not be conducted when the wind speed is greater than 15 mph average (over 15 minutes) or the wind speed instantaneously exceeds 25 mph.  
[Rule 402, 403, 1150]
8. Each well shall be completed and capped the same day its construction commences unless the well hole is completely sealed to prevent any landfill gas from escaping into the atmosphere.  
[Rule 402, 1150.1]
9. The construction of any piping or well trench which exposes landfill trash to the atmosphere shall be staged such that no more than one hundred (100) linear feet of trench is exposed at any time prior to backfilling.  
[Rule 402, 1150]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

10. Well holes, trenches, and exposed landfill trash shall be completely covered to prevent any emissions of landfill gas to the atmosphere whenever work is not actively in progress. The cover shall include, but may not be limited to a minimum of 6 inches of clean dirt, approved foam, or heavy-duty plastic sheeting. Foam by itself shall not be used as a night cover if it is raining or rain is predicted by the national weather service prior to the next scheduled working day.  
[Rule 402, 1150]
11. For purposes of this permit, construction spoils are landfill trash, material that is mixed with landfill trash, material that has been in contact with landfill trash, or odorous material that is removed from well holes or trenches.  
[Rule 1150]
12. Construction spoils and all working areas being actively used for truck and construction equipment trafficking shall be maintained in a moist condition to minimize dust and emissions.  
[Rule 402, 403, 1150]
13. All construction spoils shall be transported to the active working face of the landfill within one hour of generation or as deemed necessary by SCAQMD personnel.  
[Rule 402, 1150]
14. During transport of the construction spoils, no material shall extend above the sides or rear of the vehicle hauling the material.  
[Rule 1150]
15. The exterior of the vehicle (including the tires) hauling the construction spoils shall be cleaned off prior to leaving the working site.  
[Rule 1150]
16. If a distinct odor level (level III or greater) resulting from the construction is detected at or beyond the property line, all work shall cease until the odor sources are determined and eliminated. Odor levels shall be determined by SCAQMD personnel or on-site safety coordinator in the absence of SCAQMD personnel.  
[Rule 402, 1150]
17. During construction, if a considerable number of complaints are received, all work shall cease and approved mitigation measures shall be implemented immediately. Work shall not resume until the emissions causing the complaints are mitigated and the approval to resume work is received from the SCAQMD.  
[Rule 402, 1150]
18. Mitigation measures, other than those indicated in these conditions, which are deemed appropriate by SCAQMD personnel as necessary to protect the comfort, repose, health or safety of the public shall be implemented upon request.  
[Rule 402, 1150]
19. Each horizontal gas collection well shall be connected to an operating landfill gas header or the ends of the well shall be sealed with blind flanges or other types of seals approved by the SCAQMD as soon as the well is installed.  
[Rule 1150, 1150.1]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

20. Each vertical and horizontal well head shall be equipped with a shut-off valve and a sampling port. The sampling port shall be plugged and/or sealed except when the port is in use.  
[Rule 1150.1]
21. Until connected to an operating landfill gas collection system, each completed well shall be capped and its gas control valve closed to avoid venting landfill gas to the atmosphere.  
[Rule 1150, 1150.1]
22. Within 30 days after construction of a well or a set of wells and their associated piping is complete, as-built drawings shall be submitted to the SCAQMD.  
[Rule 1150.1]
23. Each well shall be securely sealed to prevent any emissions of landfill gas from around the well casing.  
[Rule 402, 1150, 1150.1]
24. All openings of this system including condensate removal equipment shall be properly covered and sealed to prevent any vapors from entering into the atmosphere.  
[Rule 402, 1150, 1150.1]
25. All gases collected by this system shall be vented to a combustion or processing facility which is in full use, can adequately process the volume of gas collected, and has been issued a valid Permit to Construct or Operate by the SCAQMD.  
[Rule 1150.1, 1303(a)(1)-BACT]
26. The operation of this equipment shall not result in the release of any raw landfill gas into the atmosphere.  
[Rule 402, 1150.1]
27. The SCAQMD shall be notified in writing at least one (1) week in advance when an additional well or set of wells and their associated piping will be installed. The proposed well locations and connecting piping shall be identified and described on a drawing which shows the entire gas collection system. Estimated gas collection volume, well depths, pipe lengths, diameters and layouts shall be supplied to the SCAQMD in this advance notification.  
[Rule 1150.1]
28. Each vertical well shall be connected to an operating landfill gas header as soon as possible but not later than seven (7) days after the well is installed.  
[Rule 1150.1]

**Emissions and Requirements:**

29. This equipment is subject to the applicable requirements of the following rules and regulations:

|                    |                        |
|--------------------|------------------------|
| Gaseous emissions: | Rule 1150.1            |
| Gaseous emissions: | 40 CFR 60 Subpart WWW  |
| Gaseous emissions: | 40 CFR 63 Subpart AAAA |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**PERMIT TO OPERATE**

**Permit No. D95161  
A/N 307436**

**Equipment Description:**

Landfill Gas Condensate Collection and Treating System consisting of:

1. Fifteen (15) Condensate Drainage Tanks, each 500 to 2000 gallon capacity, aboveground, located in series along the low points of the gas collection system, each with an air-driven diaphragm pump.
2. Two (2) Condensate Storage/Treatment Tanks, each 9000 gallon capacity.
3. One (1) Sodium Hydroxide Tank, 1500 gallon capacity.
4. Two (2) air driven Diaphragm Pumps.

**Conditions:**

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.  
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.  
[Rule 204]
3. This equipment shall be operated by personnel properly trained in its operation.  
[Rule 204]
4. The SCAQMD shall be notified in writing when work on this system commences and when it is completed. Such notification shall occur at least two days prior to the commencement and within five days after the completion of the work respectively.  
[Rule 1150]
5. For purposes of this permit, construction spoils are landfill trash, material that is mixed with landfill trash, material that has been in contact with landfill trash, or odorous material that is removed from trenches.  
[Rule 1150]
6. Construction spoils and all working areas actively being used for truck and construction equipment trafficking shall be maintained in a moist condition to minimize dust and emissions.  
[Rule 402, 403, 1150]
7. During construction, if a considerable number of complaints are received, all work shall cease and approved mitigation measures shall be implemented immediately. Work shall not resume until the emissions causing the complaints are mitigated and approval to resume work is received from the SCAQMD.  
[Rule 402, 1150]



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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8. If a distinct odor level (level III or greater) resulting from the construction is detected at or beyond the property line, all work shall cease until the odor sources are determined and eliminated. Odor levels shall be determined by SCAQMD personnel or on-site safety coordinator in the absence of SCAQMD personnel.  
[Rule 402, 1150]
9. Mitigation measures, other than those indicated in these conditions, which are deemed appropriate by SCAQMD personnel as necessary to protect the comfort, repose, health or safety of the public shall be implemented upon request.  
[Rule 1150]
10. As-built drawings shall be provided to the SCAQMD within 30 days after construction is completed.  
[Rule 1150.1]
11. All condensate collected and treated shall be disposed of properly.  
[Rule 402]
12. The condensate storage/treatment tanks shall be vented to the collection and/or flare systems.  
[Rule 402, 1303(a)(1)-BACT]
13. All connections, valves and openings shall be properly sealed or closed so as to prevent raw landfill gas and/or condensate vapors from entering into the atmosphere.  
[Rule 402, 1303(a)(1)-BACT]



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**PERMIT TO OPERATE**

**Permit No. F10315  
A/N 332971**

**Equipment Description:**

Internal Combustion Engine, Cummins, 6 Cylinders, turbocharged, aftercooled, Model 6CTA8.3-G, 277 BHP, diesel-fueled, driving an emergency electrical generator.

**Conditions:**

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.  
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.  
[Rule 204]
3. This engine shall not be operated more than 30 hours in any one year for maintenance and testing.  
[Rule 1470]
4. This engine shall not be operated more than 200 hours in any one year.  
[Rule 1110.2, 1303(a)(1)-BACT, 1303(b)(2)-Offset]
5. As of January 1, 2006, the operator shall only use diesel fuel with a sulfur content that does not exceed 15 ppm by weight, unless the operator demonstrates to the Executive Officer that specific, additional time is necessary.  
[Rule 1470]

**Periodic Monitoring:**

6. A timer shall be installed and maintained to indicate the engine elapsed operating time.  
[Rule 1110.2, 1303(a)(1)-BACT, 1303(b)(2)-Offset]
7. An engine operating log listing the date of operation, the elapsed time (in hours), and the reason for operation shall be kept and maintained on file for a minimum of five years and made available to SCAQMD personnel upon request.  
[Rule 1110.2, 1303(a)(1)-BACT, 1303(b)(2)-Offset, 1470]

**Emissions and Requirements:**

8. This equipment is subject to the applicable requirements of the following rules and regulations:  
  
PM: Rule 404, see Appendix B for emission limits
9. This equipment shall be operated in compliance with all applicable requirements as identified in Table 2D of 40 CFR Part 63 Subpart ZZZZ – National Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).  
[40 CFR 63 Subpart ZZZZ]



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**PERMIT TO OPERATE**

**Permit No. N20781  
A/N 478490**

**Equipment Description:**

Fuel Storage and Dispensing Facility consisting of:

1. 1 - Gasoline Bellows-less Nozzle dispensing 1 product equipped with Phase II Vapor Recovery System, Healy Phase II EVR not including ISD (VR-201-E).
2. 1 - Gasoline Underground Storage Tank, 2,000 gallon capacity, equipped with Phase I Vapor Recovery System CNI manufacturing (VR-104-A/C), 1 methanol compatible.

**Conditions:**

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.  
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.  
[Rule 204]
3. All permit conditions applicable to the equipment described in the previous Permit to Operate R-N14726 shall remain in effect until the new or modified equipment is constructed and operated as described in this new permit. This Permit to Construct/Operate shall become invalid if the modification as described in the equipment description has not been completed within one year from the issue date. If the modification has not been completed within one year from the issue date of the permit, a written request shall be submitted to the SCAQMD (Attention: Randy Matsuyama) to reinstate the previously inactivated Permit to Operate. A new application shall be filed if there are plans to continue with the modification. Furthermore, this condition does not allow any time extensions to any modifications required by the California Air Resources board or SCAQMD.  
[Rule 461]
4. Except for diesel transfers, Phase I Vapor Recovery Systems shall be in full operation whenever fuel is being transferred into storage tanks.  
[Rule 461]
5. Except for diesel transfers, Phase II Vapor Recovery Systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.  
[Rule 461]
6. All Phase I and Phase II Vapor Recovery Equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.  
[Rule 461]



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

7. The SCAQMD at its discretion may wish to witness the installation and/or performance testing of the Healy Phase II EVR System not including ISD. At least seventy-two (72) hours prior to the installation and performance testing of the Healy Phase II EVR System not including ISD, the applicant shall notify the SCAQMD at telephone number (866) 770-9140.  
[Rule 461]
8. New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current and certified person who has successfully completed the manufacturer's training course and appropriate International Code Council (ICC) certification. Completion of any SCAQMD training course does not constitute as a substitute for this requirement. Proof of successful completion of any manufacturer training course shall be with the manufacturer.  
[Rule 461]
9. At least seventy-two (72) hours prior to back-filling any underground storage tank or piping, the SCAQMD shall be notified by e-mail at [r461backfill@aqmd.gov](mailto:r461backfill@aqmd.gov) or by facsimile at telephone number (909) 396-3606. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the back-filling procedure. The back-filling procedure shall not commence until inspected by a SCAQMD representative.  
[Rule 461]
10. Depending on the system configuration, a leak rate test of drop tube/drain valve assembly shall be conducted to quantify the pressure integrity of both the drop tube and drain valve seal or a leak rate test of drop tube overflow prevention device and drain valve shall be conducted to quantify the pressure integrity of the drop tube overflow prevention device and the pressure integrity of the spill container drain valve. Either test shall be conducted as a performance test and as a reverification test. The test shall be conducted in accordance with test procedure method TP-201.1C or TP-201.1D, respectively. Results shall be submitted to the SCAQMD, Office Compliance and Enforcement, within seventy-two (72) hours of test.  
[Rule 461]
11. A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within thirty days (30) after the start of operation of the CNI Manufacturing Phase I EVR Equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method TP-201.1E. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement, within seventy-two (72) hours of test. This test result shall be kept on site for three (3) years and made available to SCAQMD representatives upon request.  
[Rule 461]
12. A static torque test of Rotatable Phase I Adaptors shall be conducted to quantify the amount of static torque required to start the rotation of the Rotatable Phase I Adaptors. The test shall be conducted in accordance with the test procedure method outlined in TP-201.1B as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement, within seventy-two (72) hours of test.  
[Rule 461]



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

13. The Phase II Vapor Recovery System shall be installed, operated, and maintained such that the maximum allowable pressure through the riser, and underground piping does not exceed the dynamic back pressure described by the California Air Resources Board Executive Order by which the system was certified:

Nitrogen Flowrates  
(cfh)  
60

Dynamic Back Pressure  
(Inches of Water)  
0.50

Dynamic back pressure tests shall be conducted to determine the Phase II System vapor recovery back pressures. The tests shall be conducted in accordance with CARB test procedure TP-201.4, methodology 4 and 6; as a performance test. This test shall be a one-time test and the results kept permanently on site. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement, within seventy-two (72) hours of tests.  
[Rule 461]

14. A static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB test procedure method TP-201.3 as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement, within seventy-two (72) hours of test.  
[Rule 461]
15. A static pressure performance test for the Healy Clean Air Separator using both the vacuum decay procedure and the positive pressure procedure shall be conducted to quantify the vapor tightness of the tank pressure management system. These tests shall be conducted in accordance with Exhibit 4 of CARB Executive Order VR-201-E as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement within seventy-two (72) hours of test.  
[Rule 461]
16. A vapor to liquid volume ratio test shall be conducted to quantify the vapor to liquid (v/l) volumetric ratio of the Healy Clean Air Separator System. The test shall be conducted in accordance with Exhibit 5 of CARB Executive Order VR-201-E as a performance test and as a reverification test. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement within seventy-two (72) hours of test.  
[Rule 461]
17. A nozzle bag test shall be conducted on the Healy Phase II EVR Nozzles to verify the integrity of the vapor valve. The test shall be conducted on any newly installed or replaced Healy Phase II EVR Nozzles and in accordance with Exhibit 7 of CARB Executive Order VR-201-E. Results shall be submitted to the SCAQMD, Office of Compliance and Enforcement within seventy-two (72) hours of test.  
[Rule 461]
18. The static pressure leak decay test TP-201.3, shall be conducted in accordance with Exhibit 8 of CARB Executive Order VR-202-E. Verification of completing each step as outlined shall be documented by submitting a copy of Exhibit 8 to the SCAQMD, Office of Compliance and Enforcement within seventy-two (72) hours of test.  
[Rule 461]



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

19. The SCAQMD shall be notified by e-mail at [r461testing@aqmd.gov](mailto:r461testing@aqmd.gov) or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to any of the above mentioned testing requirements. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.  
[Rule 461]
20. The testing for the above mentioned tests shall be conducted in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.  
[Rule 461]
21. All records and test results that are required to be maintained by Rule 461 shall be kept on site for four years and made available to SCAQMD representatives upon request.  
[Rule 461]
22. Should the facility dispense more than 600,000 gallons of gasoline per calendar year and if the facility undergoes a major modification as defined by CARB's advisory letter "Enhanced Vapor Recovery Implementation Update" dated April 15, 2005; the operator shall immediately cease all gasoline dispensing operations and file an application for a new Permit to Construct/Operate to install a CARB certified ISD System. Gasoline dispensing operations shall not resume until the ISD System has been granted a Permit to Construct/Operate and has been fully installed, tested, and operative.  
[Rule 461]
23. Should the facility dispense more than 600,000 gallons of gasoline in any calendar year and if the facility does not undergo a major modification as defined by CARB's advisory letter "Enhanced Vapor Recovery Implementation Update" dated April 15, 2005; the operator shall file an application for a new Permit to Construct/Operate to install a CARB certified ISD System. The ISD System shall be fully installed, tested, and operative based on the following table:
- | Gasoline Throughput Per Calendar Year   | Date              |
|-----------------------------------------|-------------------|
| Greater than 1.8 million gallons        | September 1, 2009 |
| Between 600,000 and 1.8 million gallons | September 1, 2010 |
- [Rule 461]
24. The maximum quantity of gasoline dispensed from the storage tank at this facility shall not exceed 6,000 gallons in any one calendar month nor 72,000 gallons in any one calendar year.  
[Rule 461]

### Periodic Monitoring:

25. The operator shall have a person that has been trained in accordance with Rule 461(d)(4) conduct an annual inspection in accordance with Rule 461(d)(1)(b) of the gasoline transfer and dispensing equipment. The inspection shall be in accordance with Rule 461, Attachment C. The operator shall keep records of the inspection and the repairs in accordance with Rule 461 and Section K of this permit.  
[Rule 3004(a)(4)]

### Emissions and Requirements:

26. This equipment is subject to the applicable requirements of the following rules and regulations:  
VOC: Rule 461



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**RULE 219 EQUIPMENT**

**Equipment Description:**

Rule 219 Exempt Equipment, coating equipment, portable, architectural coatings.

**Periodic Monitoring:**

- I. The operator shall keep records, in a manner approved by the SCAQMD, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records of all coatings consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/L) of materials for low-solids coatings, (c) VOC content as supplied in g/L of coating, less water and exempt solvent, for other coating.

For other architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/L) of materials used for low-solids coatings, (c) VOC content as applied in g/L of coating, less water and exempt solvent, for other coating.

[Rule 3004(a)(4)]

**Emissions and Requirements:**

2. This equipment is subject to the applicable requirements of the following rules and regulations:

VOC: Rule 1113, see Appendix B for emission limits

VOC: Rule 1171, see Appendix B for emission limits



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section D Page: 23  
Facility ID: 049805  
Revision #: 2  
Date: August 3, 2017

## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

Rule 219 Exempt Equipment, hand wiping operations.

**Emissions and Requirements:**

1. This equipment is subject to the applicable requirements of the following rules and regulations:

VOC: Rule 1171, see Appendix B for emission limits



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the SCAQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]



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## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to SCAQMD personnel upon request and be maintained for at least five years. [204]
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by SCAQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
- 8. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.
  - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
- 9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by SCAQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
  - a. The results of the source test.



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## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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### **SECTION E: ADMINISTRATIVE CONDITIONS**

- b. Brief description of the equipment tested.
  - c. Operating conditions under which the test was performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.
  - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of SCAQMD Source Test Method 1.1 and 1.2. [217]
11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765-4178. [204]



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section F Page: 1  
Facility ID: 049805  
Revision #: 2  
Date: August 03, 2017

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

NOT APPLICABLE



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section G Page: 1  
Facility ID: 049805  
Revision #: 2  
Date: August 03, 2017

**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR  
RECLAIM SOURCES**

NOT APPLICABLE



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                 |
|--------------|-----------------|
| Section H    | Page: 1         |
| Facility ID: | 049805          |
| Revision #:  | 2               |
| Date:        | August 03, 2017 |

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

NONE



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## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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### **SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans .

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

#### **List of approved plans:**

| <b>Application</b> | <b>Rule</b> |
|--------------------|-------------|
| 267433             | 431.1       |
| 515129             | 1150.1      |
| 534031             | 3003        |

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



## South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • www.aqmd.gov

April 22, 2003

Doug Walters  
LA City, Bureau of Sanitation  
11950 Lopez Canyon Road  
Los Angeles, CA 91342

**RE: Rule 431.1 Alternative Monitoring Plan for the Lopez Landfill**  
**Facility ID: 49805 Application No. 267433**

Dear Mr. Walters;

In May 1992, the City of Los Angeles Bureau of Sanitation submitted an Alternative Monitoring Plan (AMP) to demonstrate compliance with South Coast Air Quality Management District (AQMD) Rule 431.1 at the Lopez Canyon Landfill. An updated data package was also submitted on May 8, 2002. The AMP has been approved by AQMD, CARB and EPA provided that the following conditions are met:

- 1) The colorimetric tubes (TUBES) for analyzing  $H_2S$  as TS shall be used in accordance with manufacturer's instructions. Testing with TUBES shall be conducted by personnel properly trained in its operation. The TUBES shall be used within their shelf life.
- 2) Based on the concentration of Total Sulfur (TS) in the landfill gas (as measured by a TUBE), tiered sampling and reporting requirements as outlined in the following table shall be implemented.

| ACTION LEVEL | GSF PROPOSED MONITORING       | AQMD MODIFIED TIERS    | SAMPLING REQUIREMENT                                                                                                             |
|--------------|-------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Tier I       | Quarterly using Method 307-01 | TS < 100 ppm           | - Quarterly using Method 307-01<br>- Monthly using TUBE                                                                          |
| Tier II      |                               | 100 ppm ≤ TS < 120 ppm | - Monthly using Method 307-01<br>- Weekly using TUBE                                                                             |
| Tier III     |                               | 120 ppm ≤ TS < 130 ppm | - Weekly using Method 307-01<br>- Daily using TUBE                                                                               |
| Tier IV      |                               | TS ≥ 130 ppm           | - Potential RULE 431.1 Violation<br>- Inform AQMD immediately following R430 Breakdown Provisions<br>- Daily using Method 307-01 |

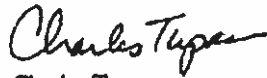
LA City, Bureau of Sanitation  
April 2, 2003

Page 2 of 2

Since this AMP is approved, fuel gas determination and reporting for sulfur content, as described in Rule 431.1(g)(10) and outlined in your approved Rule 1150.1 Compliance Plan, no longer serves as a surrogate method of compliance with Rule 431.1.

If you have any further questions, please contact me at (909) 396-2684.

Sincerely,



Charles Tupac  
Air Quality Analysis and Compliance Supervisor  
Toxics and Waste Management Team

CT:sc

cc: David Jones, Compliance  
File



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**RULE 1150.1 COMPLIANCE PLAN**

**Plan No. R-515129**

**Condition(s):**

1. This plan shall be followed in accordance with all data and specifications submitted with the application under which this plan is issued, unless otherwise noted below.
2. A copy of this plan including its attachment shall be present at the facility at all times and shall be made available to SCAQMD personnel upon request.
3. This plan shall be followed in compliance with all applicable provisions of Rule 1150.1.
4. Notifications required per Rule 1150.1 and this Plan shall be submitted to [Rule1150Notifications@aqmd.gov](mailto:Rule1150Notifications@aqmd.gov) with the subject line "Rule 1150.1 Notification". This is separate from and not intended as a replacement for Rule 430/Title V Section K notification and reporting requirements.
5. This plan cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.
6. The following proposed alternatives to Rule 1150.1 have been approved:

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | <b><i>Source Testing Schedule</i></b><br>Rule 1150.1(d)(1)(C)(i) Requirement: Route all collected landfill gas to a gas control system designed to be operated continuously to reduce methane by at least 99 percent by weight and reduce NMOC by at least 98 percent by weight or reduce the outlet NMOC concentration to less than 20 parts per million by volume (ppmv), dry basis as hexane at 3 percent oxygen. The required reduction efficiency or ppmv shall be established by an initial source test, required under 40 CFR, Part 60, Section 60.8 and annually thereafter using the test methods specified in paragraph (j)(1). The annual source test shall be conducted no later than 45 days after the anniversary date of the initial source test.<br><br>Approved Alternative: The following frequency shall be used for source testing identical flares listed on one Permit to Operate where identical means, but is not limited to: make and model, burners, operational settings, maintenance and fuel.<br><br>Single backup flare – After every 4,000 hours of operation.<br><br>Multiple backup flares – One flare after every 4,000 hours of cumulative backup operation for all flares listed on the Permit to Operate. Alternate testing of the flares such that each flare is tested.<br><br>Non-backup flare – At least one flare every year and then alternate all others such that each is source tested at least once every three years. |
| <b>B</b> | <b><i>Previous Boundary Probes</i></b><br>Rule 1150.1(d)(9) Requirement: If the District has not issued prior written approval for subsurface refuse boundary sampling probes, the owner or operator shall design and install subsurface refuse boundary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

|  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | sampling probes as specified in Section 1.1 Attachment A, to determine whether landfill gas migration exists. Installation of the refuse boundary probes shall be no later than 18 months after the submittal of the gas collection and gas control systems design plan as specified in paragraph (d)(1).                                                                                                           |
|  | Approved Alternative: The subsurface refuse boundary probes shown on the aerial map titled "Lopez Canyon Landfill – Perimeter Probes" (email attachment from John Hamilton on 4/12/2018) are approved. Except for like replacement of existing approved probes, all future designs and installations not meeting the rule requirement shall be submitted to SCAQMD for approval with a compliance plan application. |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C | <b><i>Subsurface Boundary Probe Sampling</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|   | <p>Rule 1150.1(e)(1) Requirement: Monitor and collect samples for analysis as specified in Section 1.0, Attachment A, to determine the concentrations of TOC and TAC each month from the subsurface refuse boundary sampling probes, to assure continued compliance. Any measurement of 5 percent TOC by volume or greater shall be recorded as an exceedance and the actions specified in subparagraphs (e)(1)(A) through (e)(1)(C) shall be taken.</p> <p>Attachment A.1.1.2 Requirement: Wherever accessible, the probes shall be located no further than 100 feet from the refuse boundary.</p> <p>Attachment A.1.2.1 Requirement: If the TOC concentration measured with the FID does not exceed 5% by volume in any of the probes, collect one bag sample from one probe with the highest concentration, or</p> <p>Attachment A.1.2.2 Requirement: If the TOC concentration measured with the FID for any of the probes exceeds 5% by volume, collect one bag sample per probe from the probes with the highest concentrations above 5% by volume, from at least five probes.</p> <p>Attachment A.1.3.2 Requirement: The constant TOC concentration shall be measured using an FID that meets the requirements in Section 3.2.</p>                                                           |
|   | <p>Approved Alternative: As long as there have been no exceedances of the 5% standard in three consecutive quarters, determine the concentrations of TOC annually with an FID or approved alternative analyzer. Any reading of 5% TOC or more detected during annual monitoring shall result in a return to quarterly frequency for the probe in which the exceedance was detected.</p> <p>Wherever accessible and the probes are greater than 100 feet from the refuse, monitor instantaneously from the refuse boundary to the probe, using the grid method each year when the probes exceed 2% TOC.</p> <p>If the TOC concentration measured with the FID or approved alternative measuring device does not exceed 5% by volume in any of the probes, collect one bag sample annually for TOC analysis from the probe with the highest concentration during any of the monitoring periods.</p> <p>If the TOC concentration measured with the FID or approved alternative exceeds 5% by volume in any of the probes, each quarter collect one bag sample for TOC/TAC analysis from the probe with the highest concentration during any of the monitoring periods.</p> <p>Portable analyzers on an approved list of equipment maintained by the SCAQMD may be used as alternatives to an FID.</p> |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D | <p><u><i>Integrated Landfill Surface Sampling</i></u></p> <p>Rule 1150.1(d)(17) Requirement: Design, install, and operate a wind speed and direction monitoring system with a continuous recorder of the requirements in subparagraphs (d)(17)(A) and (d)(17)(B), at a site which is representative of the wind speed and direction in the areas being sampled. The wind velocity shall be recorded throughout the sampling period. The wind direction transmitter shall be oriented to true north using a compass.</p> <p>Rule 1150.1(e)(2) Requirement: Collect monthly integrated samples for analysis as specified in Section 2.0, Attachment A, to determine the concentrations of TOC and TAC from the landfill surface, and to assure continued compliance. Any reading of 25 ppmv or greater shall be recorded as an exceedance and the actions specified in subparagraphs (e)(2)(A) through (e)(2)(C) shall be taken.</p> <p>Attachment A 2.1 Requirement: The number of samples collected will depend on the area of the landfill surface. The entire landfill disposal area shall be divided into individually identified 50,000 square foot grids. One monthly sample shall be collected from each grid for analysis. Any area that the Executive Officer deems inaccessible or dangerous for a technician to enter may be excluded from the sampling grids monitored by the landfill owner or operator. To exclude an area from monitoring, the landfill owner or operator shall file a written request with the Executive Officer. Such a request shall include an explanation of the requested exclusion and photographs of the area. The Executive Officer shall notify the landfill owner or operator in writing of the decision. Any exclusion granted shall apply only to the monitoring requirement. The 25 ppmv limit specified in paragraph (d)(11) of Rule 1150.1 applies to all areas.</p> <p>Approved Alternative: No permanent meteorological station is required. The wind speed may be measured with an approved hand-held anemometer during integrated surface sampling.</p> <p>As long as there have been no sampling exceedances of the 25 ppmv standard in three consecutive quarterly sampling periods, collect annual integrated samples for analysis to determine concentrations of TOC and TAC. Any reading of 25 ppmv TOC or more above background detected during annual sampling or compliance inspections shall result in a return to quarterly sampling for the grid in which the exceedance was detected. TACs shall be determined once a year from the historically highest grid. Additional instantaneous monitoring, as specified in the alternatives for paragraph (e)(3) of this plan shall be done for each grid with historically higher integrated sampling data and/or instantaneous exceedances.</p> <p>Sampling is not required on landfill surfaces that are inaccessible or dangerous for a technician to enter. Such areas of exclusion may include, but are not limited to: portions of slopes 30 degrees and greater and paved surfaces except for cracks. Every effort to make such areas accessible and safe shall be made. Excluded areas shall be documented in each quarterly report.</p> |
| E | <p><u><i>Instantaneous Landfill Surface Monitoring</i></u></p> <p>Rule 1150.1(e)(3) Requirement: Instantaneous surface monitoring as specified in Section 3.0, Attachment A, shall be conducted to determine the concentration of TOC each calendar quarter, to assure continued compliance. Any reading of 500 ppmv TOC or greater other than non-repeatable momentary readings, shall be recorded as an exceedance and the actions specified in subparagraphs (e)(3)(A) through (e)(3)(C) shall be taken. Any closed or inactive MSW landfill that meets the definitions in (c)(4) or (c)(16) and has no observed monitoring readings that exceed 500 ppmv for the last four consecutive quarterly monitoring periods may, upon approval of the Executive Officer, monitor annually. Any reading of 500 ppmv TOC or more detected during the annual monitoring or an SCAQMD compliance inspection that cannot be remediated within 10 days shall result in a return to quarterly monitoring for the landfill.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p>Attachment A 3.1 Requirement: The entire landfill disposal area shall be monitored once each calendar quarter. Any area of the landfill that the Executive Officer deems as inaccessible or dangerous for a technician to enter may be excluded from the area to be monitored by the landfill owner or operator. To exclude an area from monitoring, the landfill owner or operator shall file a petition with the Executive Officer. Such a request shall include an explanation of why the area should be excluded and photographs of the area. Any excluded area granted shall only apply to the monitoring requirement. The 500 ppmv limit specified in paragraph (d)(12) of Rule 1150.1 applies to all areas.</p> <p>Approved Alternative: For each grid, as long as there have been no monitoring exceedances of the 500 ppmv standard in four consecutive quarterly monitoring periods, determine the concentrations of TOC annually.</p> <p>Monitoring is not required on landfill surfaces that are inaccessible or dangerous for a technician to enter. Such areas of exclusion may include, but are not limited to: portions of slopes 30 degrees and greater and paved surfaces except for cracks. Every effort to make such areas accessible and safe shall be made. Excluded areas shall be documented in each quarterly report.</p> |
| F | <p><b>Landfill Gas Sampling</b></p> <p>Rule 1150.1(e)(5) Requirement: Collect a monthly landfill gas sample for analysis as specified in Section 4.0, Attachment A, to determine the concentrations of TOC and TAC from the main gas collection header line entering any gas control system.</p> <p>Attachment A 4.1 Requirement: Collect one monthly sample of landfill gas for analysis from the main gas collection header line entering the gas treatment and/or gas control system(s).</p> <p>Approved Alternative: Collect an annual landfill gas sample for analysis from the main gas collection header line entering any gas control systems to determine the concentrations of TOC and TAC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| G | <p><b>Ambient Air Sampling</b></p> <p>Rule 1150.1(e)(6) Requirement: Collect monthly ambient air samples for analysis as specified in Section 5.0, Attachment A, to determine the concentrations of TOC and TAC from the landfill property boundary.</p> <p>Attachment A 5.1 Requirement: Monthly ambient air samples shall be collected for analysis at the landfill property boundary from both an upwind and downwind sampler sited to provide good meteorological exposure to the predominant offshore (drainage land breeze) and onshore (sea breeze) wind flow patterns. The upwind and downwind samples shall be collected simultaneously over two 12 hour periods beginning between 9:00 a.m. and 10:00 a.m., and 9:00 p.m. and 10:00 p.m. on the same day or different days.</p> <p>Approved Alternative: Collect ambient air samples for analysis to determine the concentrations of TOC from the landfill property boundary annually. Only analyze for TAC if TOC is greater than 5 ppmv.</p>                                                                                                                                                                                                                                                                                                                                              |
| H | <p><b>Flare Operating Temperature</b></p> <p>Rule 1150.1(f)(1)(A)(iii)(I) Requirement: The average combustion temperature measured at least every 15 minutes and averaged over the same time period of the source test.</p> <p>Rule 1150.1(f)(1)(L)(i)(I) Requirement: The following constitute exceedances that shall be recorded: For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million British thermal unit per hour) or greater, all 3-hour periods of operation during which the average combustion temperature was more than 28 °C (82 °F) below the average combustion temperature during the most recent source test at which compliance with subparagraph (d)(1)(C) was determined.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section I Page 5 of 5  
Facility ID: 049805  
Date: April 12, 2018

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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Approved Alternative: For each flare, the instantaneous combustion temperature shall be continuously recorded at least every 15 minutes and shall be maintained and be accessible by the facility.

For each flare, all 3-hour periods of operation during which the instantaneous combustion temperature was more than 28 °C (50 °F) below the average combustion temperature during the most recent source test at which compliance with subparagraph (d)(1)(C) was determined is acceptable as long as the temperature is greater than the minimum permitted temperature of the flare.

**THIS PLAN NO. R-515129 SUPERSEDES PLAN NO. 515129 ISSUED ON MARCH 13, 2018.**



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Section J Page: 1  
Facility ID: 049805  
Revision #: 2  
Date: August 03, 2017

## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION J: AIR TOXICS [40CFR 63 Subpart AAAA 01-16-2003]**

#### **NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS - MUNICIPAL SOLID WASTE LANDFILLS**

- (1) The owner/operator of a municipal solid waste (MSW) landfill shall comply with all applicable requirements of 40 CFR 63, Subpart AAAA and of 40 CFR 63, Subpart A – General Provisions by the compliance date(s) that are specified in these subparts.
- (2) The owner/operator of a MSW landfill system shall comply with all applicable requirements for installation and operation of a landfill gas collection and/or control system as specified in 40 CFR 60, subpart Cc or WWW.
- (3) The operator shall keep all records pursuant to Section 63.1980 of this subpart or Subpart A to demonstrate compliance with all applicable requirements. All records including data, calculations and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
- (4) The operator shall submit all reports, notifications, plans, submittals and other communications required by Section 63.1980 of this subpart or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
- (5) Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration**

#### **GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]
- (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### **Payment of Fees**

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration**

#### **Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### **COMPLIANCE PROVISIONS**

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration**

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



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## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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### **SECTION K: TITLE V Administration**

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]
-



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration EMERGENCY PROVISIONS**

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**SECTION K: TITLE V Administration  
RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

**REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration**

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
  - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**SECTION K: TITLE V Administration**

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

**PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

| <b>RULE SOURCE</b>       | <b>Adopted/Amended Date</b> | <b>FEDERAL Enforceability</b> |
|--------------------------|-----------------------------|-------------------------------|
| RULE 1113                | 2-5-2016                    | Non federally enforceable     |
| RULE 1113                | 6-3-2011                    | Federally enforceable         |
| RULE 1150                | 10-15-1982                  | Non federally enforceable     |
| RULE 1150.1              | 3-17-2000                   | Federally enforceable         |
| RULE 1150.1              | 4-1-2011                    | Non federally enforceable     |
| RULE 1171                | 2-1-2008                    | Federally enforceable         |
| RULE 1171                | 5-1-2009                    | Non federally enforceable     |
| RULE 1303                | 5-10-1996                   | Federally enforceable         |
| RULE 1303(a)(1)-BACT     | 12-6-2002                   | Non federally enforceable     |
| RULE 1303(a)(1)-BACT     | 5-10-1996                   | Federally enforceable         |
| RULE 1303(b)(2)-Offset   | 12-6-2002                   | Non federally enforceable     |
| RULE 1303(b)(2)-Offset   | 5-10-1996                   | Federally enforceable         |
| RULE 1401                | 10-7-2016                   | Non federally enforceable     |
| RULE 1401.1              | 6-5-2015                    | Non federally enforceable     |
| RULE 1703 - PSD Analysis | 10-7-1988                   | Federally enforceable         |
| RULE 204                 | 10-8-1993                   | Federally enforceable         |
| RULE 219                 | 5-5-2017                    | Non federally enforceable     |
| RULE 219                 | 9-4-1981                    | Federally enforceable         |
| RULE 3002                | 11-5-2010                   | Federally enforceable         |
| RULE 3003                | 11-5-2010                   | Federally enforceable         |
| RULE 3004                | 12-12-1997                  | Federally enforceable         |



## **FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

### **SECTION K: TITLE V Administration**

| <b>RULE SOURCE</b>                       | <b>Adopted/Amended Date</b> | <b>FEDERAL Enforceability</b> |
|------------------------------------------|-----------------------------|-------------------------------|
| RULE 3004(a)(4)-Periodic Monitoring      | 12-12-1997                  | Federally enforceable         |
| RULE 3005                                | 11-5-2010                   | Non federally enforceable     |
| RULE 3005                                | 3-16-2001                   | Federally enforceable         |
| RULE 3007                                | 10-8-1993                   | Federally enforceable         |
| RULE 301                                 | 7-1-2016                    | Non federally enforceable     |
| RULE 306                                 | 7-1-2016                    | Non federally enforceable     |
| RULE 401                                 | 11-9-2001                   | Non federally enforceable     |
| RULE 401                                 | 3-2-1984                    | Federally enforceable         |
| RULE 402                                 | 5-7-1976                    | Non federally enforceable     |
| RULE 403                                 | 6-3-2005                    | Federally enforceable         |
| RULE 404                                 | 2-7-1986                    | Federally enforceable         |
| RULE 405                                 | 2-7-1986                    | Federally enforceable         |
| RULE 407                                 | 4-2-1982                    | Federally enforceable         |
| RULE 408                                 | 5-7-1976                    | Federally enforceable         |
| RULE 409                                 | 8-7-1981                    | Federally enforceable         |
| RULE 430                                 | 7-12-1996                   | Non federally enforceable     |
| RULE 431.1                               | 6-12-1998                   | Federally enforceable         |
| RULE 431.2                               | 5-4-1990                    | Federally enforceable         |
| RULE 431.2                               | 9-15-2000                   | Non federally enforceable     |
| RULE 461                                 | 4-6-2012                    | Federally enforceable         |
| RULE 701                                 | 6-13-1997                   | Federally enforceable         |
| CA PRC CEQA                              | 11-23-1970                  | Non federally enforceable     |
| 40CFR 60 Subpart WWW                     | 10-17-2000                  | Federally enforceable         |
| 40CFR 63 Subpart AAAA                    | 1-16-2003                   | Federally enforceable         |
| 40CFR 63 Subpart AAAA                    | 4-20-2006                   | Federally enforceable         |
| 40CFR 63 Subpart ZZZZ                    | 1-30-2013                   | Federally enforceable         |
| 40CFR 68 - Accidental Release Prevention | 4-9-2004                    | Federally enforceable         |
| 40 CFR 64                                | 11-21-1997                  | Federally enforceable         |



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

|              |                 |
|--------------|-----------------|
| Appendix A   | Page: 1         |
| Facility ID: | 049805          |
| Revision #:  | 2               |
| Date:        | August 03, 2017 |

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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219

NONE



## **FACILITY PERMIT TO OPERATE LA CITY. BUREAU OF SANIT(LOPEZ CANYON)**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016]**

- (1) Except as provided in paragraphs (c)(3), (c)(4) of the Rule, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District that is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.
- (2) No person within the District shall, at the point of sale of any architectural coating subject to the above paragraph (1), add to such coating any colorant that contains VOC in excess of the corresponding applicable VOC limit specified in the Table of Standards 2.



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 02-05-2016] TABLE OF STANDARDS I VOC LIMITS

Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds

| COATING CATEGORY                                                | Category Codes | Current Limit <sup>1</sup> | Effective Date |        |        | Small Container Exemption |
|-----------------------------------------------------------------|----------------|----------------------------|----------------|--------|--------|---------------------------|
|                                                                 |                |                            | 1/1/14         | 2/5/16 | 1/1/19 |                           |
| Bond Breakers                                                   | 5              | 350                        |                |        |        | ✓                         |
| Building Envelope Coating                                       | 62             | 100                        |                |        | 50     | ✓                         |
| Concrete-Curing Compounds                                       | 7              | 100                        |                |        |        | ✓                         |
| Concrete-Curing Compounds For Roadways and Bridges <sup>2</sup> | 7              | 350                        |                |        |        | ✓ <sup>3</sup>            |
| Concrete Surface Retarder                                       | 58             | 50                         | 50             |        |        | ✓                         |
| Default                                                         | 51             | 50                         | 50             |        |        | ✓                         |
| Driveway Sealer                                                 | 52             | 50                         |                |        |        | ✓                         |
| Dry-Fog Coatings                                                | 8              | 50                         | 50             |        |        | ✓                         |
| Faux Finishing Coatings                                         |                |                            |                |        |        |                           |
| Clear Topcoat                                                   | 9a             | 100                        | 100            |        |        | ✓                         |
| Decorative Coatings                                             | 9              | 350                        |                |        |        | ✓                         |
| Glazes                                                          | 9b             | 350                        |                |        |        | ✓                         |
| Japan                                                           | 9c             | 350                        |                |        |        | ✓                         |
| Trowel Applied Coatings                                         | 9d             | 50                         | 50             |        |        | ✓                         |
| Fire-Proofing Coatings                                          | 10             | 150                        | 150            |        |        | ✓                         |
| Flats                                                           | 13             | 50                         |                |        |        | ✓ <sup>3</sup>            |
| Floor Coatings                                                  | 14             | 50                         |                |        |        | ✓                         |
| Form Release Compound                                           | 16             | 100                        | 100            |        |        | ✓                         |
| Graphic Arts (Sign) Coatings                                    | 17             | 200                        | 150            | 200    |        | ✓                         |
| Industrial Maintenance (IM) Coatings                            | 19             | 100                        |                |        |        | ✓ <sup>3</sup>            |
| Color Indicating Safety Coatings                                |                | 480                        |                |        |        | ✓ <sup>3</sup>            |
| High Temperature IM Coatings                                    | 18             | 420                        |                |        |        | ✓ <sup>3</sup>            |
| Non-Sacrificial Anti-Graffiti Coatings                          | 19a            | 100                        |                |        |        | ✓ <sup>3</sup>            |
| Zinc-Rich IM Primers                                            | 56             | 100                        |                |        |        | ✓ <sup>3</sup>            |
| Magnesite Cement Coatings                                       | 22             | 450                        |                |        |        | ✓ <sup>3</sup>            |
| Mastic Coatings                                                 | 23             | 100                        | 100            |        |        | ✓                         |
| Metallic Pigmented Coatings                                     | 24             | 150                        | 150            |        |        | ✓                         |
| Multi-Color Coatings                                            | 25             | 250                        |                |        |        | ✓ <sup>3</sup>            |
| Nonflat Coatings                                                | 26, 27, 28     | 50                         |                |        |        | ✓ <sup>3</sup>            |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 02-05-2016]**

|                                        |        |     |  |  |     |                |
|----------------------------------------|--------|-----|--|--|-----|----------------|
| Pre-Treatment Wash Primers             | 29     | 420 |  |  |     | ✓ <sup>3</sup> |
| Primers, Sealers, and Undercoaters     | 30     | 100 |  |  |     | ✓              |
| Reactive Penetrating Sealers           | 59     | 350 |  |  |     | ✓ <sup>4</sup> |
| Recycled Coatings                      | 33     | 250 |  |  | 150 | ✓              |
| Roof Coatings                          | 34     | 50  |  |  |     | ✓              |
| Roof Coatings, Aluminum                | 53     | 100 |  |  |     | ✓              |
| Roof Primers, Bituminous               | 4      | 350 |  |  |     | ✓ <sup>1</sup> |
| Rust Preventative Coatings             | 35     | 100 |  |  |     | ✓ <sup>6</sup> |
| Sacrificial Anti-Graffiti Coatings     | 60     | 50  |  |  |     | ✓ <sup>3</sup> |
| Shellac                                |        |     |  |  |     |                |
| Clear                                  | 37     | 730 |  |  |     | ✓ <sup>4</sup> |
| Pigmented                              | 38     | 550 |  |  |     | ✓ <sup>4</sup> |
| Specialty Primers                      | 39     | 100 |  |  |     | ✓              |
| Stains                                 | 41     | 100 |  |  |     | ✓              |
| Stains, Interior                       | 40     | 250 |  |  |     | ✓              |
| Stone Consolidants                     | 61     | 450 |  |  |     | ✓ <sup>3</sup> |
| Swimming Pool Coatings                 |        |     |  |  |     |                |
| Repair                                 | 43     | 340 |  |  |     | ✓ <sup>3</sup> |
| Other                                  | 42     | 340 |  |  |     | ✓ <sup>3</sup> |
| Tile and Stone Sealers                 | 63     | 100 |  |  |     | ✓              |
| Traffic Coatings                       | 45     | 100 |  |  |     | ✓              |
| Tub and Tile Refinishing Coatings      | 64     | 420 |  |  |     | ✓ <sup>4</sup> |
| Waterproofing Sealers                  | 48     | 100 |  |  |     | ✓              |
| Waterproofing Concrete/Masonry Sealers | 49     | 100 |  |  |     | ✓              |
| Wood Coatings                          |        | 275 |  |  |     |                |
| Varnish                                | 46, 47 | 275 |  |  |     |                |
| Sanding Sealers                        | 36     | 275 |  |  |     |                |
| Lacquer                                | 20     | 275 |  |  |     |                |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 02-05-2016]**

|                    |    |     |  |  |  |                |
|--------------------|----|-----|--|--|--|----------------|
| Wood Conditioners  | 65 | 100 |  |  |  |                |
| Wood Preservatives |    |     |  |  |  |                |
| Below-Ground       | 50 | 350 |  |  |  | ✓ <sup>3</sup> |
| Other              | 55 | 350 |  |  |  | ✓ <sup>3</sup> |

1. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
2. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.
3. Effective 02/05/2016, the small container exemption no longer applies per (f)(1).
4. Effective 01/01/2018, the small container exemption no longer applies per (f)(1).
5. Effective 01/01/2019, the small container exemption is further restricted per (f)(1).
6. Effective 01/01/2020, the small container exemption is further restricted per (f)(1).

**TABLE OF STANDARDS 1 (cont.)  
VOC LIMITS**

**Grams of VOC Per Liter of Material**

| <b>COATING</b>     | <b>Limit</b> |
|--------------------|--------------|
| Low-Solids Coating | 120          |



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Appendix B Page: 5  
Facility ID: 049805  
Revision #: 2  
Date: August 03, 2017

**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 02-05-2016]**

**TABLE OF STANDARDS 2  
VOC LIMITS FOR COLORANTS**

**Grams of VOC Per Liter of Colorant  
Less Water and Less Exempt Compounds**

| <b>COLORANT ADDED TO</b>                      | <b>Limit</b> |
|-----------------------------------------------|--------------|
| Architectural Coatings, excluding IM Coatings | 50           |
| Solvent-Based IM                              | 600          |
| Waterborne IM                                 | 50           |



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**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.



## FACILITY PERMIT TO OPERATE LA CITY. BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

#### TABLE OF STANDARDS 1 VOC LIMITS

Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds

| COATING CATEGORY                                                   | Ceiling Limit <sup>1</sup> | Current Limit <sup>2</sup> | Effective Date |        |        |
|--------------------------------------------------------------------|----------------------------|----------------------------|----------------|--------|--------|
|                                                                    |                            |                            | 7/1/08         | 1/1/12 | 1/1/14 |
| Bond Breakers                                                      |                            | 350                        |                |        |        |
| Clear Wood Finishes                                                |                            | 275                        |                |        |        |
| Varnish                                                            | 350                        | 275                        |                |        |        |
| Sanding Sealers                                                    | 350                        | 275                        |                |        |        |
| Lacquer                                                            |                            | 275                        |                |        |        |
| Concrete-Curing Compounds                                          |                            | 100                        |                |        |        |
| Concrete-Curing Compounds<br>For Roadways and Bridges <sup>3</sup> |                            | 350                        |                |        |        |
| Concrete Surface Retarder                                          |                            | 250                        |                |        | 50     |
| Driveway Sealer                                                    |                            | 100                        |                | 50     |        |
| Dry-Fog Coatings                                                   |                            | 150                        |                |        | 50     |
| Faux Finishing Coatings                                            |                            |                            |                |        |        |
| Clear Topcoat                                                      |                            | 350                        |                | 200    |        |
| Decorative Coatings                                                |                            | 350                        |                |        | 100    |
| Glazes                                                             |                            | 350                        |                |        |        |
| Japan                                                              |                            | 350                        |                |        |        |
| Trowel Applied Coatings                                            |                            | 350                        |                | 150    | 50     |
| Fire-Proofing Coatings                                             |                            | 350                        |                |        | 150    |
| Flats                                                              | 250                        | 50                         | 50             |        |        |
| Floor Coatings                                                     | 100                        | 50                         |                |        |        |
| Form Release Compound                                              |                            | 250                        |                |        | 100    |
| Graphic Arts (Sign) Coatings                                       |                            | 500                        |                |        | 150    |
| Industrial Maintenance (IM) Coatings                               | 420                        | 100                        |                |        |        |
| High Temperature IM Coatings                                       |                            | 420                        |                |        |        |
| Non-Sacrificial Anti-Graffiti Coatings                             |                            | 100                        |                |        |        |
| Zinc-Rich IM Primers                                               | 340                        | 100                        |                |        |        |
| Magnesite Cement Coatings                                          |                            | 450                        |                |        |        |
| Mastic Coatings                                                    |                            | 300                        |                |        | 100    |
| Metallic Pigmented Coatings                                        | 500                        | 500                        |                |        | 150    |
| Multi-Color Coatings                                               |                            | 250                        |                |        |        |
| Nonflat Coatings                                                   | 150                        | 50                         |                |        |        |
| Pre-Treatment Wash Primers                                         |                            | 420                        |                |        |        |
| Primers, Sealers, and Undercoaters                                 | 200                        | 100                        |                |        |        |
| Reactive Penetrating Sealers                                       |                            | 350                        |                |        |        |
| Recycled Coatings                                                  |                            | 250                        |                |        |        |
| Roof Coatings                                                      | 250                        | 50                         |                |        |        |
| Roof Coatings, Aluminum                                            |                            | 100                        |                |        |        |



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

Appendix B Page: 8  
Facility ID: 049805  
Revision #: 2  
Date: August 03, 2017

## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

|                                    |     |     |  |    |  |
|------------------------------------|-----|-----|--|----|--|
| Roof Primers, Bituminous           | 350 | 350 |  |    |  |
| Rust Preventative Coatings         | 400 | 100 |  |    |  |
| Stone Consolidant                  |     | 450 |  |    |  |
| Sacrificial Anti-Graffiti Coatings |     | 100 |  | 50 |  |
| Shellac                            |     |     |  |    |  |
| Clear                              |     | 730 |  |    |  |
| Pigmented                          |     | 550 |  |    |  |
| Specialty Primers                  | 350 | 100 |  |    |  |
| Stains                             |     | 100 |  |    |  |



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

| COATING CATEGORY                       | Ceiling Limit <sup>1</sup> | Current Limit <sup>2</sup> | Effective Date |        |        |
|----------------------------------------|----------------------------|----------------------------|----------------|--------|--------|
|                                        |                            |                            | 7/1/08         | 7/1/12 | 7/1/14 |
| Stains, Interior                       | 250                        | 250                        |                |        |        |
| Swimming Pool Coatings                 |                            |                            |                |        |        |
| Repair                                 |                            | 340                        |                |        |        |
| Other                                  |                            | 340                        |                |        |        |
| Traffic Coatings                       |                            | 100                        |                |        |        |
| Waterproofing Sealers                  | 250                        | 100                        |                |        |        |
| Waterproofing Concrete/Masonry Sealers | 400                        | 100                        |                |        |        |
| Wood Preservatives                     |                            | 350                        |                |        |        |

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

| COATING            | Limit |
|--------------------|-------|
| Low-Solids Coating | 120   |

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

| COLORANT                                      | Limit <sup>4</sup> |
|-----------------------------------------------|--------------------|
| Architectural Coatings, excluding IM Coatings | 50                 |
| Solvent-Based IM                              | 600                |
| Waterborne IM                                 | 50                 |

4. Effective January 1, 2014.



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

|                                                                                                                             | CURRENT<br>LIMITS*     | EFFECTIVE<br>1/1/2008* | EFFECTIVE<br>1/1/2009  |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY                                                                                                   | VOC<br>g/l<br>(lb/gal) | VOC<br>g/l<br>(lb/gal) | VOC<br>g/l<br>(lb/gal) |
| (A) Product Cleaning During<br>Manufacturing Process Or Surface<br>Preparation For Coating, Adhesive,<br>Or Ink Application |                        |                        |                        |
| (i) General                                                                                                                 | 25<br>(0.21)           |                        |                        |
| (ii) Electrical Apparatus<br>Components & Electronic<br>Components                                                          | 100<br>(0.83)          |                        |                        |
| (iii) Medical Devices &<br>Pharmaceuticals                                                                                  | 800<br>(6.7)           |                        |                        |
| (B) Repair and Maintenance Cleaning                                                                                         |                        |                        |                        |
| (i) General                                                                                                                 | 25<br>(0.21)           |                        |                        |
| (ii) Electrical Apparatus<br>Components & Electronic<br>Components                                                          | 100<br>(0.83)          |                        |                        |



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

|                                                                                                                             | CURRENT<br>LIMITS*     | EFFECTIVE<br>1/1/2010  |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY                                                                                                   | VOC<br>g/l<br>(lb/gal) | VOC<br>g/l<br>(lb/gal) |
| (A) Product Cleaning During<br>Manufacturing Process Or Surface<br>Preparation For Coating, Adhesive,<br>Or Ink Application |                        |                        |
| (i) General                                                                                                                 | 25<br>(0.21)           |                        |
| (ii) Electrical Apparatus<br>Components & Electronic<br>Components                                                          | 100<br>(0.83)          |                        |
| (iii) Medical Devices &<br>Pharmaceuticals                                                                                  | 800<br>(6.7)           |                        |
| (B) Repair and Maintenance Cleaning                                                                                         |                        |                        |
| (i) General                                                                                                                 | 25<br>(0.21)           |                        |
| (ii) Electrical Apparatus<br>Components & Electronic<br>Components                                                          | 100<br>(0.83)          |                        |



**FACILITY PERMIT TO OPERATE  
LA CITY. BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 05-01-2009]**

|                                                                | <b>CURRENT<br/>LIMITS*</b>      | <b>EFFECTIVE<br/>1/1/2010</b>   |
|----------------------------------------------------------------|---------------------------------|---------------------------------|
| <b>SOLVENT CLEANING ACTIVITY<br/>(cont.)</b>                   | <b>VOC<br/>g/l<br/>(lb/gal)</b> | <b>VOC<br/>g/l<br/>(lb/gal)</b> |
| (iii) Medical Devices &<br>Pharmaceuticals                     |                                 |                                 |
| (A) Tools, Equipment, &<br>Machinery                           | 800<br>(6.7)                    |                                 |
| (B) General Work Surfaces                                      | 600<br>(5.0)                    |                                 |
| (C) Cleaning of Coatings or Adhesives<br>Application Equipment | 25<br>(0.21)                    |                                 |
| (D) Cleaning of Ink Application<br>Equipment                   |                                 |                                 |
| (i) General                                                    | 25<br>(0.21)                    |                                 |
| (ii) Flexographic Printing                                     | 25<br>(0.21)                    |                                 |
| (iii) Gravure Printing                                         |                                 |                                 |
| (A) Publication                                                | 100<br>(0.83)                   |                                 |
| (B) Packaging                                                  | 25<br>(0.21)                    |                                 |
| (iv) Lithographic (Offset) or Letter Press<br>Printing         |                                 |                                 |
| (A) Roller Wash, Blanket Wash,<br>& On-Press Components        | 100<br>(0.83)                   |                                 |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 05-01-2009]**

|                                                                                              | <b>CURRENT<br/>LIMITS*</b>      | <b>EFFECTIVE<br/>1/1/2010</b>   |
|----------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| <b>SOLVENT CLEANING ACTIVITY<br/>(cont.)</b>                                                 | <b>VOC<br/>g/l<br/>(lb/gal)</b> | <b>VOC<br/>g/l<br/>(lb/gal)</b> |
| (B) Removable Press Components                                                               | 25<br>(0.21)                    |                                 |
| (v) Screen Printing                                                                          | 100<br>(0.83)                   |                                 |
| (vi) Ultraviolet Ink/ Electron Beam Ink<br>Application Equipment (except<br>screen printing) | 650<br>(5.4)                    | 100<br>(0.83)                   |
| (vii) Specialty Flexographic Printing                                                        | 100<br>(0.83)                   |                                 |
| (E) Cleaning of Polyester Resin Application<br>Equipment                                     | 25<br>(0.21)                    |                                 |

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.



## FACILITY PERMIT TO OPERATE LA CITY, BUREAU OF SANIT(LOPEZ CANYON)

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

| Volume Discharged<br>Calculated as Dry<br>Gas<br>At Standard<br>Conditions |                                | Maximum Concentration<br>of Particulate<br>Matter" Allowed in<br>Discharged Gas<br>Calculated as Dry<br>Gas at Standard<br>Conditions |                          | Volume Discharged<br>Calculated as Dry Gas<br>At Standard Conditions |                                | Maximum Concentration<br>of Particulate Matter<br>Allowed in Discharged<br>Gas Calculated as Dry Gas<br>at<br>Standard Conditions |                             |
|----------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Cubic<br>meters<br>Per<br>Minute                                           | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic<br>Meter                                                                                                   | Grains per<br>Cubic Foot | Cubic<br>meters<br>Per Minute                                        | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic Meter                                                                                                  | Grains per<br>Cubic<br>Foot |
| 25 or<br>less                                                              | 883<br>or<br>less              | 450                                                                                                                                   | 0.196                    | 900                                                                  | 31780                          | 118                                                                                                                               | 0.0515                      |
| 30                                                                         | 1059                           | 420                                                                                                                                   | .183                     | 1000                                                                 | 35310                          | 113                                                                                                                               | .0493                       |
| 35                                                                         | 1236                           | 397                                                                                                                                   | .173                     | 1100                                                                 | 38850                          | 109                                                                                                                               | .0476                       |
| 40                                                                         | 1413                           | 377                                                                                                                                   | .165                     | 1200                                                                 | 42380                          | 106                                                                                                                               | .0463                       |
| 45                                                                         | 1589                           | 361                                                                                                                                   | .158                     | 1300                                                                 | 45910                          | 102                                                                                                                               | .0445                       |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 404 02-07-1986]**

| Volume Discharged<br>Calculated as Dry<br>Gas<br>At Standard<br>Conditions |                                | Maximum Concentration<br>of Particulate<br>Matter" Allowed in<br>Discharged Gas<br>Calculated as Dry<br>Gas at Standard<br>Conditions |                          | Volume Discharged<br>Calculated as Dry Gas<br>At Standard Conditions |                                | Maximum Concentration<br>of Particulate Matter<br>Allowed in Discharged<br>Gas Calculated as Dry Gas<br>at<br>Standard Conditions |                             |
|----------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Cubic<br>meters<br>Per<br>Minute                                           | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic<br>Meter                                                                                                   | Grains per<br>Cubic Foot | Cubic<br>meters<br>Per Minute                                        | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic Meter                                                                                                  | Grains per<br>Cubic<br>Foot |
| 50                                                                         | 1766                           | 347                                                                                                                                   | .152                     | 1400                                                                 | 49440                          | 100                                                                                                                               | .0437                       |
| 60                                                                         | 2119                           | 324                                                                                                                                   | .141                     | 1500                                                                 | 52970                          | 97                                                                                                                                | .0424                       |
| 70                                                                         | 2472                           | 306                                                                                                                                   | .134                     | 1750                                                                 | 61800                          | 92                                                                                                                                | .0402                       |
| 80                                                                         | 2825                           | 291                                                                                                                                   | .127                     | 2000                                                                 | 70630                          | 87                                                                                                                                | .0380                       |
| 90                                                                         | 3178                           | 279                                                                                                                                   | .122                     | 2250                                                                 | 79460                          | 83                                                                                                                                | .0362                       |
| 100                                                                        | 3531                           | 267                                                                                                                                   | .117                     | 2500                                                                 | 88290                          | 80                                                                                                                                | .0349                       |
| 125                                                                        | 4414                           | 246                                                                                                                                   | .107                     | 3000                                                                 | 105900                         | 75                                                                                                                                | .0327                       |
| 150                                                                        | 5297                           | 230                                                                                                                                   | .100                     | 4000                                                                 | 141300                         | 67                                                                                                                                | .0293                       |
| 175                                                                        | 6180                           | 217                                                                                                                                   | .0947                    | 5000                                                                 | 176600                         | 62                                                                                                                                | .0271                       |
| 200                                                                        | 7063                           | 206                                                                                                                                   | .0900                    | 6000                                                                 | 211900                         | 58                                                                                                                                | .0253                       |
| 250                                                                        | 8829                           | 190                                                                                                                                   | .0830                    | 8000                                                                 | 282500                         | 52                                                                                                                                | .0227                       |
| 300                                                                        | 10590                          | 177                                                                                                                                   | .0773                    | 10000                                                                | 353100                         | 48                                                                                                                                | .0210                       |
| 350                                                                        | 12360                          | 167                                                                                                                                   | .0730                    | 15000                                                                | 529700                         | 41                                                                                                                                | .0179                       |
| 400                                                                        | 14130                          | 159                                                                                                                                   | .0694                    | 20000                                                                | 706300                         | 37                                                                                                                                | .0162                       |
| 450                                                                        | 15890                          | 152                                                                                                                                   | .0664                    | 25000                                                                | 882900                         | 34                                                                                                                                | .0148                       |



**FACILITY PERMIT TO OPERATE  
LA CITY, BUREAU OF SANIT(LOPEZ CANYON)**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 404 02-07-1986]**

| Volume Discharged<br>Calculated as Dry<br>Gas<br>At Standard<br>Conditions |                                | Maximum Concentration<br>of Particulate<br>Matter Allowed in<br>Discharged Gas<br>Calculated as Dry<br>Gas at Standard<br>Conditions |                          | Volume Discharged<br>Calculated as Dry Gas<br>At Standard Conditions |                                | Maximum Concentration<br>of Particulate Matter<br>Allowed in Discharged<br>Gas Calculated as Dry Gas<br>at<br>Standard Conditions |                             |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Cubic<br>meters<br>Per<br>Minute                                           | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic<br>Meter                                                                                                  | Grains per<br>Cubic Foot | Cubic<br>meters<br>Per Minute                                        | Cubic<br>feet<br>Per<br>Minute | Milligrams<br>per<br>Cubic Meter                                                                                                  | Grains per<br>Cubic<br>Foot |
| 500                                                                        | 17660                          | 146                                                                                                                                  | .0637                    | 30000                                                                | 1059000                        | 32                                                                                                                                | .0140                       |
| 600                                                                        | 21190                          | 137                                                                                                                                  | .0598                    | 40000                                                                | 1413000                        | 28                                                                                                                                | .0122                       |
| 700                                                                        | 24720                          | 129                                                                                                                                  | .0563                    | 50000                                                                | 1766000                        | 26                                                                                                                                | .0114                       |
| 800                                                                        | 28250                          | 123                                                                                                                                  | .0537                    | 70000<br>or more                                                     | 2472000<br>or more             | 23                                                                                                                                | .0100                       |

## James Chavez

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**From:** Alejandro Morales <alejandro.morales@lacity.org>  
**Sent:** Thursday, October 15, 2026 8:03 AM  
**To:** Clerk of Board  
**Cc:** Miguel Zermeno; Gabriel Miranda; James Greenfield; Arpa Bahariance; Michael Kaufman; Joan Huang  
**Subject:** Re: [EXTERNAL] Interim & Regular Variance Request for Lopez Canyon Landfill (ID 049805)

Hi Clerk of Boards,

We would like to make one change to this application. We would like to modify the request from an interim and regular variance to an interim and short variance. Please let me know if you have any questions. Thanks.

**Alejandro Morales, PE, MS**  
Environmental Engineer  
Solid Resources Processing & Construction Division (SRPCD)  
City of Los Angeles - Sanitation  
Phone: (213) 847-2300



On Wed, Oct 14, 2026, 4:41 PM Clerk of Board <[Front\\_PC@aqmd.gov](mailto:Front_PC@aqmd.gov)> wrote:

Good afternoon,

Confirming receipt of your petition. We will review for completeness and contact your regarding a hearing date or if additional documents are needed.

Thank you,



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**From:** Alejandro Morales <[alejandro.morales@lacity.org](mailto:alejandro.morales@lacity.org)>  
**Sent:** Wednesday, October 14, 2026 4:34 PM  
**To:** Clerk of Board <[clerkofboard@aqmd.gov](mailto:clerkofboard@aqmd.gov)>  
**Cc:** Miguel Zermeno <[miguel.zermeno@lacity.org](mailto:miguel.zermeno@lacity.org)>; Gabriel Miranda <[gabriel.miranda@lacity.org](mailto:gabriel.miranda@lacity.org)>; James Greenfield <[james.greenfield@lacity.org](mailto:james.greenfield@lacity.org)>; Arpa Bahariance <[arpa.bahariance@lacity.org](mailto:arpa.bahariance@lacity.org)>; Michael Kaufman <[michael.l.kaufman@lacity.org](mailto:michael.l.kaufman@lacity.org)>; Joan Huang <[joan.huang@lacity.org](mailto:joan.huang@lacity.org)>  
**Subject:** [EXTERNAL] Interim & Regular Variance Request for Lopez Canyon Landfill (ID 049805)

Hi AQMD Clerk of Board,

LA Sanitation & Environment hereby applies for a interim and regular Variance for Lopez Canyon Landfill (ID 049805). The completed variance request form and a copy of our permit are attached to this email. We plan to pay via credit card. Please let me know the next steps. Thanks.

**Alejandro Morales, PE, MS**

Environmental Engineer

Solid Resources Processing & Construction Division (SRPCD)

City of Los Angeles - Sanitation

Phone: (213) 847-2300

