

PERMIT TO OPERATE

Permit Number 547-810

EQUIPMENT OWNER-OPERATOR:

Chicago Grade Landfill
2290 Homestead Road
Templeton, CA 93465

EQUIPMENT LOCATION:

2290 Homestead Road, Templeton

FOR THE EQUIPMENT LISTED HEREIN AND SUBJECT TO THE LISTED CONDITIONS

September 29, 2016

ISSUANCE DATE

July (expires February 1, 2021)

ANNIVERSARY

LARRY R. ALLEN Gary E. Willey
Air Pollution Control Officer

GARY E. WILLEY Dora K. Drexler
Manager, Engineering and Compliance Division

Table of Contents

| | |
|--|-----|
| CONVENTIONS AND ABBREVIATIONS | ii |
| FACILITY DESCRIPTION | 14 |
| LANDFILL EMISSION LIMITS AND STANDARDS | 32 |
| TESTING REQUIREMENTS AND PROCEDURES | 64 |
| RECORDKEEPING REQUIREMENTS..... | 86 |
| REPORTING REQUIREMENTS | 97 |
| GENERAL CONDITIONS..... | 108 |

CONVENTIONS AND ABBREVIATIONS

A. The following conventions are used in this permit.

1. Referencing of conditions: The reference for each requirement will be noted in [square brackets]. References that are noted as being "District-only" are not federally-enforceable requirements. **All conditions with references in [square brackets] that do not contain the phrase "District-only" must be considered federally-enforceable requirements.**
2. Requirements based on current District rules will be noted by the phrase "Rule" followed by the rule number. Requirements based on District rules approved into the State of California Implementation Plan (SIP) will be noted by the phrase "SIP Rule," followed by the rule number as it appears in the SIP.
3. If the SIP version of a rule is the same as the current version of a rule, only the SIP version will be cited. If the SIP version of a rule is different than the current version, both will be included.
4. If there is no over-riding need for the current version of a permit condition to be considered federally-enforceable, it will be listed as "District-only." An example of an over-riding need might be when that condition is needed to support a federally-enforceable limit.
5. In multi-part conditions, the general reference notation at the beginning of the condition will apply throughout except for those subparts that are followed by a specific reference.
6. Unless otherwise noted, a "day" shall be considered a 24-hour period from midnight to midnight (*i.e.*, calendar day).
7. The number of digits displayed for any given emission or operational limit in this permit is intended to represent the number of significant digits for test or analysis results rounding. *e.g.*, 2,000 ppmv is intended to represent 2.000E3 ppmv and any test result greater than 2,000.5 ppmv would not comply with that limit.
8. When rounding test and analysis results or recorded and reported values to the correct number of significant digits, any rounding of the value "5" should result in an even number. *e.g.*, 34.65 to three significant figures would be written 34.6. Also when rounding, if the final digit is 0, 1, 2, 3, or 4, the number does not change and, if the final digit is 6, 7, 8, or 9, the number is increased by one.
9. Federal and state regulation subpart references will typically be indicated by their subpart designation followed by a section number. The titles of all subparts included here are as follows:

40CFR60, Subpart A, General Provisions (New Source Performance Standards)
40CFR60, Subpart WWW, Standards of Performance for MSW Landfills

40CFR61, Subpart A, General Provisions (National Emission Standards for Hazardous Air Pollutants - NESHAPS)
40CFR62, Subpart GGG, Federal Plan Requirements for MSW Landfills
40CFR63, Subpart A, General Provisions
40CFR63, Subpart AAAA, Municipal Solid Waste Landfills
Title 17, California Code of Regulations, Subchapter 10, Article 4, Subarticle 6, Methane Emissions from Municipal Solid Waste Landfills (17CCR)

10. District rule numbers ~~only will be~~ also used for the most part in this permit. Rule titles are as follows (parentheses indicate an identical title for both the SIP and the current versions of a rule):

(SIP) Rule 106, Standard Conditions
Rule 107, Upset and breakdown Conditions
SIP Rule 113, Particulate Matter
SIP Rule 114, Gaseous Contaminants
SIP Rule 201.E, Posting of Permit to Operate
Rule 201, Equipment Not Requiring a Permit
Rule 202, Permits
Rule 204, Requirements (a.k.a. New Source Review)
SIP Rule 205, Conditional Approval
Rule 206, Conditional Approval
Rule 210, Periodic Inspection, Testing and Renewal of Permits to Operate
Rule 216, Federal Part 70 Permits
Rule 302, Schedule of Fees
(SIP) Rule 401, Visible Emissions
Rule 402, Nuisance
Rule 403, Particulate Matter Emission Standards
(SIP) Rule 404, Sulfur Compounds Emission Standards, Limitations and Prohibitions
(SIP) Rule 406, Carbon Monoxide Emission Standards and Limitations
SIP Rule 407, Organic Material Emission Standards, Limitations and Prohibitions
Rule 407, Organic Material Emission Standards
(SIP) Rule 416, Degreasing Operations
Rule 426, Landfill Gas Emissions
Rule 433, Architectural Coatings
(SIP) Rule 501, General Burning Provisions

- B. Abbreviations used in this permit are as follows:

| | |
|-----------------|---|
| 40CFR | Chapter 40 to the Code of Federal Regulations |
| APCO | Air Pollution Control Officer |
| bhp | brake horsepower |
| Btu | British thermal unit |
| CARB | California Air Resources Board |
| CCR | California Code of Regulations |
| CO | carbon monoxide |
| CO ₂ | carbon dioxide |
| CIWMB | California Integrated Waste Management Board |

Chicago Grade Landfill
Title V Permit to Operate 547-108

| | |
|------------------|---|
| dscf | dry standard cubic foot |
| EPA | United States Environmental Protection Agency |
| °F | degrees Fahrenheit |
| gal | gallon |
| gr | grains |
| H&SC | California Health and Safety Code |
| H ₂ S | hydrogen sulfide |
| hp | horsepower |
| hr | hour |
| lb | pounds |
| LFG | landfill gas |
| mmBtu | million British thermal unit of heat input |
| MSDS | Material Data Safety Sheet |
| NMOC | non-methane organic compounds |
| NO _x | oxides of nitrogen |
| O ₂ | oxygen |
| ppmv | parts per million by volume |
| psia | pounds per square inch absolute |
| RWQCB | Regional Water Quality Control Board |
| scf | standard cubic feet |
| scfm | standard cubic feet per minute |
| SDS | Safety Data Sheet |
| SIC | Standard Industrial Classification |
| SIP | State of California Implementation Plan |
| TOC | total organic compounds |
| tpy | tons per year |
| VOC | volatile organic compound |
| vol% | percent by volume |
| wt% | percent by weight |

Formatted: Line spacing: Multiple 0.96 li

FACILITY DESCRIPTION

A. General. This permit is for the municipal solid waste landfill (Standard Industrial Classification, SIC, code 4953) portion of Chicago Grade’s operation, which is located at 2290 Homestead Road in Templeton, California. Other Chicago Grade operations at the site that are not subject to federal permitting requirements include a portable tire shredder (SIC 5093) and a household hazardous waste facility (SIC 9511).

Chicago Grade Landfill has a design capacity of 11.2 million cubic yards (8.6 million cubic meters) including both waste in place and future potential. This facility is subject to 40 CFR Part 62, Subpart GGG, the Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction Prior to May 30, 1991 and Have Not Been Modified or Reconstructed Since May 30, 1991. That regulation has recordkeeping and reporting provisions and it also specifies that a Title V operating permit is required. Subpart GGG cross references several requirements in the New Source Performance Standard for Municipal Solid Waste Landfills – 40 CFR Part 60, Subpart WWW. Subpart WWW, 40 CFR 60.752(b), requires that operations with a design capacity greater than 2.5 million cubic meters to either comply with paragraph (b)(2) or demonstrate NMOC emissions are below the threshold of 50 Mg/yr. Using data from their LFG collection system, the operator has been submitting annual emission calculations that have demonstrated emissions to be less than 50 Mg/yr NMOC.

Waste disposal activities occupy 36 acres at this facility. An expansion was approved in 2007 that increased the permitted disposal area to 76.4 acres, on a total facility size of 188 acres. There are currently no disposal modules that have reached their planned final elevation and have closed. An enclosed ground flare is in use to combust the collected landfill gas, and source testing has demonstrated a 98%+ destruction efficiency for hydrocarbons. This facility has operated under a San Luis Obispo County Air Pollution Control District permit since 1998.

B. Specific Equipment. Major emission units are listed below but all associated valves, flanges, piping, condensate pots, and minor emission units, which are not explicitly identified, are also included in this permit and subject to their respective major emission unit’s requirements. Chicago Grade is authorized to operate the equipment listed below in the configuration described. [SIP Rule 201]

1. Solid Waste Landfill, with a landfill gas collection system, pipeline, and enclosed ground flare system consisting of:

| | Title | Capacity | Description |
|----|--|---------------|--|
| a. | main blower | 400 cfm | electrically driven |
| b. | enclosed ground flare | 400 scfm max. | John Zink ZTOF, 4.9 mmBTU/hr, propane fueled pilot, with continuous temperature and flow sensors and recorders |
| c. | landfill property boundary perimeter wells | | sample points to check for evidence of offsite gas migration |
| d. | LFG extraction wells | | sampling port upstream of the throttle valve |
| e. | LFG collection pipes and | | |

- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: (Default) Open Sans, 10 pt
- Formatted: Font: (Default) Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: (Default) Open Sans, 10 pt
- Formatted: Font: (Default) Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt
- Formatted: Font: Open Sans, 10 pt

Chicago Grade Landfill
Title V Permit to Operate 547-108

| | | |
|---------|--|--|
| headers | | |
|---------|--|--|

C. Insignificant Equipment. The following equipment and equipment types are considered environmentally insignificant. This equipment is not subject to the provisions of this permit except for those units which are subject to a federally-enforceable, generally applicable requirement as listed in section III.A.1.

| Description | Basis for Insignificance |
|--|--------------------------|
| maintenance machining equip., e.g., drills, saws, presses | Rule 201.A.1 |
| internal combustion engines < 50 hp | Rule 201.B.1 |
| Household Hazardous Waste Facility | Rule 201.A.1 |
| grounds maintenance equip., e.g., weed eaters, mowers | Rule 201.B.1 |
| domestic hot water heaters | Rule 201.B.2 |
| graders, loaders, utility trucks, and other mobile equipment | Rule 201.C.1 |
| storage tanks with < 250-gallon capacity | Rule 201.I.1 |
| diesel storage tanks used for vehicle refueling | Rule 201.I.3 |
| lubricating oil storage | Rule 201.I.8 |
| gasoline storage tanks used for vehicle refueling | Rule 201.I.9 |
| cold solvent cleaner | Rule 201.J.2 |
| comfort air conditioning | Rule 201.M.1 |
| pressure washer cleaning equipment | Rule 201.M.4 |
| comfort space heating | Rule 201.M.5 |
| welding equipment | Rule 201.N.2 |

LANDFILL EMISSION LIMITS AND STANDARDS

1. The flare shall:
 - a. be operated and maintained in conformance with the manufacturer's design; [District-only Rule 206]
 - b. have sufficient flow of propane gas to the pilot flame to ensure immediate ignition when in contact with landfill gases during startup, restart, or when the flow of landfill gases is inadequate to sustain combustion of the flare; and [District-only Rule 426.F.2.a206]
 - c. have a VOC destruction/treatment efficiency of at least ninety-eight percent (98%) by weight; or reduce the VOC concentration at the outlet to a maximum of 30 ppm measured as methane and corrected to three (3) percent oxygen on a dry basis. [District-only Rule 426.F.1206]
 - d. have a methane destruction efficiency of at least ninety-nine percent (99%) by weight. [District Only 17CCR 95464 (b)(2)(A)1.]
 - e. be operated with oxides of nitrogen (NOx) emissions that do not exceed 0.06 lbs/mmBTU pounds per million BTU of heat input. [District-only Rule 426.F.2.b206]
 - f. be operated with carbon monoxide (CO) emissions that do not exceed 0.20 pounds per million lb/mmBtuTU heat input. [District-only. Rule 426.F.2.c]

Formatted: Indent: Left: 1", No bullets or numbering

Formatted: Indent: Left: 1", No bullets or numbering

Formatted: Indent: Left: 1", No bullets or numbering

Formatted: Indent: Left: 1", No bullets or numbering

Formatted: Indent: Left: 0.75", Hanging: 0.25", No bullets or numbering

g. be operated with zero visible emissions, as determined by EPA Method 22, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours. [40 CFR 60.18.c.1 and f.1]

Formatted: Indent: Hanging: 0.25"

2.
 - a. Visible emissions shall not exceed Ringlemann #2 or forty percent (40%) opacity for a period exceeding three (3) minutes aggregated in any sixty (60) minute period of time. [H&SC 41701 and SIP Rule 401]
 - b. Visible emissions shall not exceed Ringlemann #1 or twenty percent (20%) opacity for a period exceeding three (3) minutes aggregated in any sixty (60) minute period of time. [District-only Rule 401]

Formatted: Indent: Left: 0.75", Hanging: 0.25"

Chicago Grade Landfill
Title V Permit to Operate 547-108

These visible emission limits shall not apply to open outdoor fires, which have been approved by the APCO, for the purposes of employee instruction in fire fighting methods. [SIP Rule 401.B.3]

3. Particulate matter emissions shall not exceed any of the following:
 - a. 0.3 gr/scf corrected to three percent (3%) O₂, wet, for combustion device emission units; [SIP Rule 113]
 - b. 0.12 lbs/mmBTU heat input, combustion emission units; [District-only Rule 403.C]
4. Sulfur Compound Limitations [SIP Rules 114.1 and 404.E]
 - a. Sulfur compound emissions shall not exceed 0.20% by volume, calculated as sulfur dioxide;
 - b. Gaseous fuel sulfur content shall not exceed 50 gr/100 dscf (797 ppmv) total sulfur, as H₂S at standard conditions.
 - c. Liquid fuel sulfur content shall not exceed 0.5 wt% sulfur.
5. Carbon monoxide emissions shall not exceed any of the following:
 - a. 2,000 ppmv at standard conditions, except for internal combustion engines. [SIP Rule 406];
 - b. 0.20 pounds per million BTU heat input. [District-only Rule 206]
6. ~~Chicago Grade~~The Owner/Operator shall cause to be operated a landfill gas collection system that effectively captures the gas generated such that: [District-only Rule 206]
 - a. the system is designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas collection system; and
 - b. landfill gas is collected from each area, cell or group of cells in which non-asbestos degradable solid waste has been placed for a period of 5 years or more for active areas or 2 years or more for closed areas; and
 - c. off-site migration of subsurface gas is minimized; and
 - d. each active collection system wellhead is under negative pressure. If a positive pressure exists, action shall be initiated to correct the exceedance, except for the following conditions:
 - i. a fire or increased well temperature. ~~Chicago Grade~~The Owner/Operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the semiannual reports as provided in Condition 21; or
 - ii. use of a geomembrane or synthetic cover. Acceptable pressure limits shall be submitted by ~~the Owner/Operator~~Chicago Grade in their design plan; or
 - iii. a decommissioned well.

If negative pressure cannot be achieved without excess air filtration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

 - e. the collected landfill gas temperature: is less than 55 °C at the well, and either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting

- data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens; and
- f. the surface methane concentration over the landfill shall not exceed 500 ppmv above the background level.

7. ~~Chicago Grade~~The Owner/Operator shall cause the landfill gas flare to be operated at all times that the collected landfill gas is routed to that system. If the collection or control systems are inoperable, the gas mover system shall be shutdown and all valves in the systems contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [District-only Rule 206]
8. ~~The average flare combustion temperature during the most recent performance test shall be recorded. Any 3-hour period of operation where the average flare combustion temperature is more than 28° C below that average test temperature shall be recorded and reported as an exceedance in the facility's semi-annual report. This average flare temperature requirement does not apply during periods of startup, shutdown and malfunction. [District-only Rule 206] For any 3-hour period of operation, the average operational temperature of the flare shall not be less than 28°C below the average flare combustion temperature that occurred during the most recent performance test. Failure to meet this minimum temperature requirement shall be considered a violation of this condition and shall be reported in the facility's semiannual report. This minimum flare temperature requirement does not apply during periods of startup, shutdown and malfunction (SSM). [District-only Rule 206].~~
9. The provisions of this permit relating to the operation of the landfill gas collection and control system apply at all times, except during periods of start-up, shutdown, or malfunction. [District-only Rule 206].
10. There shall be no landfill gas leaks from the gas wells, piping, flanges, valves, blowers, flame arresters, pipe fittings, sampling ports, or any other connections or fittings along the landfill gas transfer path of the landfill gas collection or control system. For this condition a leak shall be defined as a concentration of total organic compounds measured as methane that exceeds 500 ppmv except non-repeatable, momentary readings. [District-only Rule 206]
11. Whenever previously buried waste is brought to the surface during installation or preparation of wells, trenches, piping, or other equipment, or when solid waste is to be excavated and moved, the owner shall cover the excavated waste using fresh soil, plastic sheeting, vapor retarding foam, or other CIWMB approved "Alternate Daily Cover," by the end of the working day or as necessary to prevent a public nuisance, whichever is sooner. Any asbestos containing material shall be handled in accordance with all state and federal regulations. [District-only Rule 206]
12. The condensate from the gas collection system shall be collected, stored, and treated in a manner approved by the RWQCB and the CIWMB. [District-only Rule 206]

TESTING REQUIREMENTS AND PROCEDURES

13. The Owner/Operator Chicago Grade shall cause monitoring or testing to be conducted to verify compliance with Conditions 6 and 10 as follows:

Check on a weekly basis. [District-only, Rule 206]

- a. LFG flow rate chart – change as needed.
- b. Visually inspect flare station equipment and piping.

On a monthly basis: [District-only, Rule 206]

- c. Monitor the landfill for cover integrity and implement cover repairs as necessary.
- d. At each collection system well: measure the gauge pressure; monitor the temperature of the landfill gas; and the nitrogen or oxygen content. If the nitrogen or oxygen content, or the temperature exceeds the values listed in Condition 6.e above, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance can not be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance.

On a quarterly basis: [District-only, Rule 206]

- e. Monitor the surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals. This surface monitoring shall be performed in accordance with section 4.3.1 of EPA Method 21, except that the probe shall be placed within 5 to 10 centimeters of the ground.

14. Any landfill surface reading of 500 ppm or greater above background shall be recorded as a monitored exceedance. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. A monitored exceedance is not a violation of the operational requirement contained in Condition 6.f above as long as the following specified actions are taken: [District-only, Rule 206]

- a. The location of each monitored exceedance shall be marked and the location recorded.
- b. Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance; and
- c. If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in section e of this condition shall be taken.
- d. Any location that initially showed an exceedance but has a methane concentration less than 500 ppm above background at the 10-day re-monitoring specified in section b or c of this condition shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in section c or e of this condition shall be taken.
- e. For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other

collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance and a corresponding time line for installation may be submitted to the District for approval.

15. **Compliance Testing.** All plan preparation, testing and reporting shall comply with the most recent version of the District's Source Test Policy, unless otherwise specified here. A source test plan shall be submitted at least thirty working days prior to any test and the results shall be reported to the APCO within forty-five calendar days of testing. [District-only, Rule 206 and District-only, Rule 210.B.1]

- a. ~~The Owner/OperatorChicago Grade Landfill~~ shall conduct or cause to be conducted the following tests on a triennial basis. ~~Any subsequent source test failure will result the resumption of the biennial testing frequency and a modification to this operating condition to reflect biennial testing. Triennial testing may only resume after the successful completion of three consecutive compliant source test cycles.~~ [District-only Rule 426.F.4]

Formatted: Numbered + Level: 1 + Numbering Style: a, b, c, ... + Start at: 1 + Alignment: Left + Aligned at: 0.75" + Indent at: 1", No widow/orphan control, Don't adjust space between Latin and Asian text, Don't adjust space between Asian text and numbers

Formatted: Font: Not Bold

| Location | Parameter | Units | Method & Notes |
|--------------|-----------------------|----------------------------|---|
| flare inlet | 1. NMOC | lb/hr | EPA-25A [District-only, Rule 426.F.1] |
| | 2. oxygen | vol% | EPA 3 or 3A [District-only, Rule 206] |
| | 3. LFG flow rate | scfm | installed instrument [District-only, Rule 206] |
| | 4. LFG heating value | Btu/scf | ASTM D 1946/3588 [District-only, Rule 206] |
| | 5. methane | lb/hr | EPA 18 or 25 [17 CCR 95471] |
| flare outlet | 6. NMOC | lb/hr | EPA-25A [District-only, Rule 426.F.1] |
| | 7. NMOC | ppmv @3%O ₂ dry | EPA-25A [District-only, Rule 426.F.1] |
| | 8. NMOC | destruction efficiency | District Rule 426.G.4 [District-only, Rule 426.F.1] |
| | 9. oxygen | vol% | EPA 3 or 3A [District-only, Rule 206] |
| | 10. exhaust flow rate | scfm | CARB-100 [District-only, Rule 206] |
| | 11. NOx | lb/mmBtu | CARB-100 [District-only, Rule 206] |
| | 12. CO | lb/mmBtu | CARB-100 [District-only, Rule 206] |
| | 13. methane | destruction efficiency | EPA-18 [17 CCR 95460] |

RECORDKEEPING REQUIREMENTS

16. ~~The Owner/OperatoroperatorChicago Grade~~ shall record the following information:
- A map indicating the location and date of cover placement for each area with intermediate and final cover. [District-only, Rule 426.H.1.a]
 - The results of all methane or NMOC emission tests including off-site migration tests, perimeter well tests, and surface cover tests. [District-only, Rule 426.H.1.c]
 - On a continuous basis, ~~the Owner/OperatorChicago Grade~~ shall monitor and record the total gas collection flow rate for the landfill. [District-only Rule 206]

- d. The oxygen concentration at the inlet to the flare on a weekly basis. [District-only, Rule 206]
 - e. Monthly records of cumulative flare system failure, upset, or downtime. [District-only, Rule 206]
 - f. Continuous permanent records of the control device temperature showing dates and times (i.e. chart recorder). [District-only Rule 206]
17. ~~The Owner/Operator~~Chicago Grade shall maintain up-to-date records of the maximum design capacity, the current amount of solid waste in place, the year-by-year waste acceptance rate, and the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from gas collection, as well as any nonproductive areas excluded from gas collection. These records shall be retained on-site or be available within 4 hours if stored off-site. [40CFR60.758.d.2, 60.759.a.3]
18. ~~The Owner/Operator~~Chicago Grade shall maintain records of all data required by Condition 13. [District-only, Rule 206]
19. ~~The Owner/Operator~~Chicago Grade shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring, sample collection, measurement, report, and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [District-only, Rule 216 F.1.c.4]

REPORTING REQUIREMENTS

20. Deviations from permit requirements, including those that are attributable to breakdown or upset conditions, shall promptly be reported to the Air Pollution Control Officer (APCO). Reports shall include the probable cause of such deviations, and the corrective actions or preventive measures taken. Prompt reporting for this condition is defined as a verbal report as soon as reasonably possible, but in any case, within four hours after the deviation's detection, followed by a written report within ten calendar days of having corrected the deviation. [Rule 216.F.1.o]
21. Semi-annual reporting. Each report, due on the date indicated in the following table, should include data for the respective time periods in any given year unless otherwise indicated. [40 CFR 70.6 (a)(3)(iii)]

| Due Date | Semi-annual Data | Annual Data |
|----------|----------------------------|-----------------------------|
| March 31 | Sept 1 through February 28 | March 1 through February 28 |
| Sept. 30 | March 1 through August 31 | |

| Report(s) Due | Report(s) Due Date | Date Range for Semi-annual Report Data | Date Range for Annual Report Data |
|------------------------|--------------------|--|-----------------------------------|
| Semi-annual and Annual | January 31 | July 1 through December 31 | January 1 through December 31 |
| Semi-annual | July 31 | January 1 through June 30 | |

On a semi-annual basis, ~~the Owner/OperatorChicago-Grade~~ shall submit a report to the APCO, with a copy to the EPA Region IX Administrator. Each report shall be submitted no later than ~~March 31~~ January 31 and ~~September 30~~ July 31 of any given year; shall be certified to be true, accurate, and complete by a responsible official; and shall include the following information: [Rule 216.F.1.c.3 and 40 CFR 70.6 (a)(3)(iii)]

- a. The value and duration for each exceedance of the limits in Condition 6 of this permit.
- b. A description and the duration of any period when the LFG collection system was not in operation for a period exceeding five calendar days.
- c. The location of each condition 6.f exceedance.
- d. The concentration measured during re-monitoring, one month after an exceedance or repair.
- e. The location, date, and reason for any installation of a new collection well.
- f. Include a summary of deviations from requirements in this permit. [Rule 216.F.1.c.3.i]
- g. If ~~the Owner/OperatorChicago-Grade~~ is not in compliance with any federally-enforceable requirement, include a progress report on the schedule of compliance which has been approved by the District Hearing Board. That report shall include: [Rule 216.F.2.c]
 - i. dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
 - ii. an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

22. On an annual basis, no later than ~~January 31~~March 31 of each year, ~~the Owner/OperatorChicago-Grade~~ shall submit a Compliance Certification Report to the APCO pursuant to District Rule 216.L.3, with a copy to the EPA Region IX Administrator. This report shall identify each federal applicable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine compliance. Each report shall be certified to be true, accurate, and complete by a responsible official. [Rule 216.L.3]

23. On an annual basis, no later than ~~January 31~~March 31 of each year, ~~the Owner/OperatorChicago-Grade~~ shall submit an estimate of NMOC emissions to the EPA Region IX Administrator with a copy to the APCO. If the operation exceeds the NMOC threshold identified in 40CFR60.757.b1ii, the Owner/Operator will be subject to the applicable requirements of 40CFR60, Subpart WWW, Standards of Performance for MSW Landfills. [40CFR62.14355 and 40CFR60.757.b]

GENERAL CONDITIONS

24. For the purposes of this permit, all requirements shall be based on standard atmospheric conditions of sixty degrees Fahrenheit (60°F) and 14.7 psia. [SIP Rule 106]

Chicago Grade Landfill
Title V Permit to Operate 547-108

25. If the APCO determines that the operation of this equipment is causing a public nuisance, [the Owner/OperatorChicago-Grade](#) shall take immediate action to eliminate such nuisance. [District-only, Rule 402]
26. This facility must comply with all applicable provisions of the Air Toxic "Hot Spots" Act as set forth in Health and Safety Code Section 44300 (*et seq.*). [District-only, H&SC 44300 (*et seq.*) and, District-only, Rule 206]
27. The APCO shall be notified in writing before any changes are made in the design, construction, or operation of this equipment or any modifications are made to process condition that might increase the emission of air contaminants. [District-only, Rule 202]
28. [The Owner/OperatorChicago-Grade](#) shall ensure that cold solvent metal cleaning devices, with the exception of wipe clean operations:
 - a. utilize: [SIP Rule 416.B]
 - i. a container for the solvent and the articles being cleaned;
 - ii. a cover, easily operated with one hand, which prevents the solvent from evaporating when the cleaning device is not in use;
 - iii. a shelf for draining cleaned parts such that the drained solvent is returned to the solvent storage container;
 - iv. a permanent, conspicuous label, which lists all applicable operating requirements; and
 - v. a freeboard ratio equal to or greater than 0.75, if the solvent surface area is greater than or equal to 5.4 square feet; and
 - b. are operated as follows: [SIP Rule 416.C]
 - i. All degreasing equipment and emission control equipment must be operated and maintained in good working order.
 - ii. No solvent may be allowed to leak from the degreasing equipment.
 - iii. All solvent must be stored and disposed of in a manner that prevents its evaporation to the atmosphere.
 - iv. The cover of any cleaning device shall not be removed unless that device is in use or undergoing maintenance.
 - v. The operator shall drain parts for at least fifteen (15) seconds after cleaning or until dripping ceases.
 - vi. Flowing solvent shall consist of a liquid stream and not a fine, atomized, or shower type spray; and the motive pressure for that solvent flow shall be sufficiently low to prevent the splashing of solvent beyond the container.
29. [The Owner/OperatorChicago-Grade](#) shall not ignite or maintain an open outdoor fire except as approved by the APCO for the purposes of employee instruction in fire fighting methods. [SIP Rule 501.A]
30. While temporarily operating at [the facilityChicago-Grade](#), any portable wood waste grinding equipment, trommel screen, or internal combustion engine, which provides the motive power for that grinding equipment or screen, shall comply with all applicable requirements of this permit and 17CCR93116, the Airborne Toxic Control Measure for Diesel Particulate

Matter from Portable Engines Rated at 50 Horsepower and Greater. [17CCR93116, District-only, Rule 206 for "District-only" conditions and SIP Rule 205 for all others]

31. If ~~the Owner/OperatorChicago Grade~~ is not in compliance with any federally-enforceable requirement, they shall submit to the APCO a schedule of compliance, which has been approved by the Hearing Board. [Rule 216.F.2.c]
32. A pending permit action, or notification of anticipated noncompliance, does not stay any condition of this permit. [Rule 216.F.1.e]
33. All terms and conditions of this permit are enforceable by the EPA Administrator and citizens of the United States under the federal Clean Air Act unless referenced as being based on a District-only requirement. All terms and conditions of this permit, including those referenced as being based on a District-only requirement, are enforceable by the APCO. [Rule 216.F.3]
34. This permit, or a true copy, shall be made readily accessible at the ~~facilityChicago Grade~~ landfill office and shall not be altered or defaced in any way. [SIP Rule 201.E&F]
35. The terms and conditions of this permit shall apply to the equipment listed herein, which is operated by either ~~the Oowner/OperatorChicago Grade~~ or their contractor(s), and located at 2290 Homestead Road in Templeton, California or on contiguous properties to that address, which are owned and controlled by ~~the Oowner/OperatorChicago Grade~~ and are classified as having a SIC code of 4953. Specifically excluded from this permit are any composting, household hazardous waste, or recycling operations that occur on or near the landfill. [SIP Rule 205]
36. **Federal Regulation and District Compliance Plans:** This permitted equipment shall be operated consistent with the information provided in the Title V application under which this permit was issued, and shall be maintained in good working order at all times and in such a manner as to minimize the emission of air contaminants. [40CFR60.11.d]
37. **Severability.** The provisions of this Permit to Operate are severable, and, if any provision of this Permit to Operate is held invalid, the remainder of this Permit to Operate shall not be affected thereby. [Rule 216.F.1.e]
38. **Circumvention.** ~~The Owner/OeperatorChicago Grade~~ shall not build, erect, install, or use, any article, machine, equipment, or process subject to an applicable standard, if its use would conceal an emission that would otherwise constitute a violation of any standard. [40CFR60.12, 40CFR61.19, 40CFR63.4.b, District-only, Rule 206]
39. **Permit Life.** This Permit to Operate shall become invalid five years from the original effectiveness date unless a timely and complete renewal application is submitted to the APCO. ~~The Owner/OperatorownerChicago Grade~~ shall apply for renewal of this permit no later than six months before the date of expiration. Upon submittal of a timely and complete renewal application, this permit to operate shall remain in effect until the APCO issues or denies the renewal application. [Rule 216.I.1, I.2, & I.4]

40. **Payment of Fees.** ~~The Owner/Operator~~Chicago Grade shall remit Title V compliance determination fees to the District in response to the District's invoice on a timely basis. Failure to remit fees in accordance with District Rule 302 shall result in forfeiture of this Permit to Operate. Operation without a permit to operate subjects the source to potential enforcement action by the District and the EPA pursuant to section 502(a) of the Clean Air Act. [Rule 216.F.1.k]
41. ~~The Owner/Operator~~Chicago Grade shall comply with all terms and conditions of this permit. Non-compliance constitutes a violation of the federal Clean Air Act. Continuing non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District-only, Rule 206 for "District-only" enforceable conditions and Rule 216.F.1.f & 40CFR60.752.b.2.iv for all others]
42. The need to halt or reduce a permitted activity in order to maintain compliance shall not be used as a defense for noncompliance with any permit condition. [Rule 216.F.1.g]
43. This permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by the District. The filing of a request by ~~the Owner/Operator~~Chicago Grade for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Rule 216.F.1.h & K.1]
44. This permit does not convey property rights or exclusive privilege of any sort. [Rule 216.F.1.i]
45. Within a reasonable time period, ~~the Owner/Operator~~Chicago Grade shall furnish any information requested by the APCO, for the purpose of determining:
 - a. compliance with this permit; [Rule 216.F.1.j.2]
 - b. air contaminant emissions; [SIP Rule 205]
 - c. whether or not cause exists to modify, revoke, reissue, or terminate this permit; or [Rule 216.F.1.j.1]
 - d. whether or not cause exists for an enforcement action. [Rule 216.F.1.j.2]
46. **Right of Entry:** The Regional Administrator of U.S. Environmental Protection Agency, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted to enter upon the premises and, at reasonable times, be permitted to: [Rule 216.F.2.a]
 - a. inspect the stationary source, including equipment, work practices, operations, and emission-related activity;
 - b. inspect and duplicate records required by this Permit to Operate; and
 - c. sample substances or monitor emissions from the source or other parameters to assure compliance with the permit or applicable requirements. Monitoring of emissions can include source testing.
47. ~~The Owner/Operator~~Chicago Grade shall comply with all requirements of Title 17, California Code of Regulations, Article 4, Subarticle 6, sections 95460 to 95476, Methane Emissions from Municipal Solid Waste Landfills. [17CCR95460-95476]

Formatted: Font: (Default) Open Sans, 10 pt

Chicago Grade Landfill
Title V Permit to Operate 547-108

48. **Compliance Determination Fees.** The following fee schedules shall apply to the indicated process units. [District-only, Rule 302.E]

| Process | Fee Schedule (Rule 302.E) | Each |
|-----------------------------------|---------------------------|------|
| LFG collection and control system | 29 landfill gas control | 1 |

H:\PERMITS\PO\6376\PODGC.DOC