Chicago Grade Landfill

Attachment B – Compliance Plan & Certification Forms

Applicable Requirements

Facility Chicago Grade Landfill Submittal Date 4/7/10

San Luis Obispo County Air Pollution Control District
Title V Compliance Plan and Certification Form

This form must be submitted with any application for an initial Part 70 permit, reissuance of an existing Part 70 permit, and for any minor or significant Part 70 permit modification. Applications for a permit modification need only supply such information that is related to the proposed change.

1. Applicable Requirements. For each applicable requirement, provide the following information. Attach additional lists/sheets as necessary.
   ☒ See attachment for the information requested below.

   a. Identify the applicable requirement, its citation, and the emission unit to which it applies. _____.

   b. Indicate compliance status: ☐ yes ☐ future effective ☐ no (*attach compliance schedule*).
   c. Describe the methods to be used to determine compliance. Attach a Compliance Assurance Monitoring (CAM) plan in accordance with 40CFR64, if applicable.
      1) monitoring: _____.
      2) recordkeeping: _____.
      3) reporting: _____.
      4) test methods: _____.
   d. Propose a schedule for compliance certification submission during the permit term (no less frequently than annually). _____.
   e. Describe the compliance status with any applicable enhanced monitoring and compliance certification requirements of §114(a)(3) of the Clean Air Act. _____.
   f. If this source is required to prepare a risk management plan pursuant to §112(r) of the Clean Air Act, indicate the date that it was submitted to the County Environmental Health Department or include a compliance schedule for the submittal of such a plan. _____.

2. Compliance certification. Please check the applicable statements.

   I certify that, based on information and belief formed after reasonable inquiry, the statement and information in this document and supplements are true, accurate, and complete; also,

   ☐ a. If this application is for a minor Part 70 modification, that the modification meets the criteria for use of the minor Part 70 permit modification procedures; and that I have attached:
      ☐ a suggested draft Part 70 permit that complies with the provisions of Rule 216.F;

   ☒ b. This source will continue to comply with the applicable federal requirement(s) with which this source is in compliance as identified above or in the attachment;

   ☒ c. This source will comply with the future-effective applicable federal requirement(s) as identified above or in the attachment, on a timely basis (*attach a compliance schedule for any requirement that includes a series of actions*);

   ☐ d. This source is not in compliance with the applicable federal requirement(s), as identified above or in the attachment, and that I have attached:
      ☐ a compliance plan schedule, and
      ☐ a schedule for progress report submissions at no less than 6 month intervals.

Signature of Responsible Official _____ Date 4/7/10

Chicago Grade Landfill
Compliance Certification Form

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
Visible Emissions, Ringlemannn No. 2 or 40%	Rule 401	Facility	Y	N	Annual	N/A	N/A
Particulate Matter Emission Standards, 0.12 lb/MMBtu	Rule 403.C.1	Flare	Y	N	Annual	N/A	N/A
Sulfur Compound Emission Standards, 0.2% by volume SO2	Rule 404.A	Flare	Y	N	Annual	N/A	N/A
Sulfur Compound Emission Standards, 50 gr/100 scf total sulfur as H2S	Rule 404.E.1	Flare	Y	N	Annual	N/A	N/A
Carbon Monoxide Emission Standards, 2,000 ppmv	Rule 406.A	Flare	Y	N	Annual	N/A	N/A
Volatile Organic Compound Emission Limit, 98% destruction or 30 ppm as methane @ 3% O2	PTO 547-5 Cond. No. 7	Flare	Y	N	Annual	N/A	N/A
Nitrogen Oxide Emission Limit, 0.06 lb/MMBtu	PTO 547-5 Cond. No. 8	Flare	Y	N	Annual	N/A	N/A
Carbon Monoxide Emission Limit, 0.2 lb/MMBtu	PTO 547-5 Cond. No. 9	Flare	Y	N	Annual	N/A	N/A
Visible Emissions Limit, Ringlemann No. 1 or 20%	PTO 547-5 Cond. No. 10	Flare	Y	N	Annual	N/A	N/A
Component and Surface Leak Limit, 1,000 ppmv total organic compounds as methane	PTO 547-5 Cond. No. 5	Landfill and GCCS	Y	N	Annual	N/A	N/A
Nitrogen Oxide Emission Limit, 600 ppmv dray at 15% O2	PTO 648-5 Cond. No. 3	Shredder Engine	Y	N	Annual	N/A	N/A
Carbon Monoxide Emission Limit, 4,500 ppmv dry at 15% O2	PTO 648-5 Cond. No. 4	Shredder Engine	Y	N	Annual	N/A	N/A
Visible Emissions Limit, Ringlemann No. 1/4 or 5%	PTO 648-5 Cond. No. 7	Shredder Engine	Y	N	Annual	N/A	N/A
Visible Emissions Limit, 20%	PTO 648-5 Cond. No. 8	Shredder Engine	Y	N	Annual	N/A	N/A
Landfill Gas Emissions	Rule 426	Landfill	Y	N	Annual	N/A	N/A
The owner shall update the emissions quantification plan and/or VOC emissions estimate at a future date as determined by the APCO.	Rule 426.D.5	Landfill	Y	N	Annual	N/A	N/A
Maintain a map indicating the location and date of cover placement for each area with intermediate and final cover.	Rule 426.H.1.a	Landfill	Y	N	Annual	N/A	N/A
Maintain records of results of all perimeter well testing	Rule 426.H.1.b	Landfill	Y	N	Annual	N/A	N/A
Maintain records of the results of all methane or VOC emission tests including off-site migration tests, perimeter well tests, and surface cover tests.	Rule 426.H.1.c	Landfill	Y	N	Annual	N/A	N/A
Maintain annual records of the tonnage of refuse accepted for the prior year.	Rule 426.H.1.d	Landfill	Y	N	Annual	N/A	N/A
The owner of any solid waste disposal site subject to the requirements of this Rule shall submit an application for an Authority to Construct no later than 90 days after determination that the disposal site is emitting more than fifteen (15) tons per year of VOCs	Rule 426.I.1	Landfill	Y	N	Annual	N/A	N/A
Records required by Section H shall be maintained for a period of two years from the date of each entry and shall be made available to the District upon request.	Rule 426.I.5	Landfill	Y	N	Annual	N/A	N/A
The provisions of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991	40CFR60.750.a	Landfill	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
Each owner or operator of and MSW landfill having a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with paragraph (b)(2) of this section or calculate an NMOC emission rate for the landfill using the procedures specified in 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 60.757(b)(1)(ii) of this subpart.	40CFR60.752(b)	Landfill	Y	N	Annual	N/A	N/A
The owner or operator of a MSW landfill subject to this subpart with a design capacity greater than or equal to 2.5 million megagrams and 2.5 million cubic meters, becomes subject to the requirements of 40CFR70.5(a)(1)(i) or 71.5(a)(1)(i) on June 10, 1006 or MSW landfills that commenced construction, modification, or reconstruction on or after May 30, 1991 but before March 12, 1996.	40CFR60.752(c)(1)	Landfill	Y	N	Annual	N/A	N/A
Tier 2. The landfill owner or operator shall determine the NMOC concentration using the following sampling procedure	40CFR60.754(a)(3)	Landfill	Y	N	Annual	N/A	N/A
The landfill owner or operator shall recalculate the NMOC mass emission rate using the equations provided in paragraph (a)(1)(i) or (a)(1)(ii) of this section and using the average NMOC concentration from the collected samples	40CFR60.754(a)(3)(i)	Landfill	Y	N	Annual	N/A	N/A
If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the landfill owner or operator shall either comply with 60.752(b)(2), or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate	40CFR60.754(a)(3)(ii)	Landfill	Y	N	Annual	N/A	N/A
Each owner or operator subject to the requirements of this subpart shall submit an initial design capacity report to the Administrator	40CFR60.757(a)	Landfill	Y	N	Annual	N/A	N/A
Each owner or operator subject to the requirements of this subpart shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided for in paragraphs (b)(1)(ii) or (b)(3) of this section	40CFR60.757(b)	Landfill	Y	N	Annual	N/A	N/A
Each owner or operator subject to the provisions of 60.752(b)(2)(i) shall submit a collection and control system design plan to the Administrator within 1 year of the first report required under paragraph (b) of this section in which the emission rate equals or exceeds 50 megagrams per year	40CFR60.757(c)	Landfill	Y	N	Annual	N/A	N/A
Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation.	40CFR60.757(d)	Landfill	Y	N	Annual	N/A	N/A
Each owner or operator of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment.	40CFR60.757(e)	Landfill	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
Each owner or operator of an MSW landfill subject to the provision of 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate.	40CFR60.758(a)	Landfill	Y	N	Annual	N/A	N/A
Standard conditions are a gas temperature of 60 degrees Fahrenheit and a gas pressure of 14.7 pounds per square inch absolute. Results of all analyses and tests shall be calculated or reported at this gas temperature and pressure.	SIP Rule 106	Facility	Y	N	Annual	N/A	N/A
Visible emissions shall not exceed Ringlemann No. 2 or forty percent (40%) opacity for a period exceeding three minute aggregated in any sixty minute period of time.	SIP Rule 401	Facility	Y	N	Annual	N/A	N/A
A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.	SIP Rule 402	Facility	Y	N	Annual	N/A	N/A
Authority to Construct. Any person building, erecting, altering or replacing any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, shall first obtain authorization for such construction from the Air Pollution Control Officer.	Rule 202.A.1	Facility	Y	N	Annual	N/A	N/A
Permits to Operate. Before any article, machine, equipment or other contrivance, the use of which may cause, increase, eliminate, reduce or control the issuance of air contaminants may be operated or used, a Permit to Operate shall be obtained from the Control Officer	Rule 202.A.2	Facility	Y	N	Annual	N/A	N/A
a person who employs solvent metal cleaning (degreasing) shall utilize a device for such cleaning that conforms to the requirements in Section B.1 to B.6 of the rule	Rule 416.B	Facility	Y	N	Annual	N/A	N/A
a person who employs solvent metal cleaning (degreasing) must conform to Section C.1 to C.11 of the rule	Rule 416.C	Facility	Y	N	Annual	N/A	N/A
Submit, revise reports, or report source test results as required by subpart M	40CFR61.05.d	Facility	Y	N	Annual	N/A	N/A
Ensure that any change to the information provided in the initial notification under 40CFR61.10.a shall be submitted to the APCO no later than 30 days after that change	40CFR60.10.c	Facility	Y	N	Annual	N/A	N/A
Ensure that the landfill shall be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions	40CFR61.12.c	Facility	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
Ensure that regulate asbestos containing material workers are adequately train in accordance with 40CFR60.145.c.8	40CFR61.14 5.c.8	Facility	Y	N	Annual	N/A	N/A
At least forty-five calendar days prior to excavating or otherwise disturbing any asbestos-containing material, Chicago Grade Landfill shall submit a report to the APCO in writing	40CFR61.15 1.d	Facility	Y	N	Annual	N/A	N/A
The facility shall comply with all applicable provisions of Rule 422, Architectural Coatings	Rule 433	Facility	Y	N	Annual	N/A	N/A
The facility shall comply with all applicable provisions of Rule 216, Federal Part 70 Permits	Rule 216	Facility	Y	N	Annual	N/A	N/A
Metal Surface Coatings	Rule 407.H.2	Facility	Y	N	Annual	N/A	N/A
Architectural Coatings	Rule 407.H.3	Facility	Y	N	Annual	N/A	N/A
Photochemically Reactive Solvent Evaporation	Rule 407.H.4	Facility	Y	N	Annual	N/A	N/A
Air Toxic Hot Spots	Rule 204.F.1	Facility	Y	N	Annual	N/A	N/A
Abrasive Blasting	CCR92000	Facility	Y	N	Annual	N/A	N/A
Operation/Maintenance Requirements	40CFR60.11. d	Facility	Y	N	Annual	N/A	N/A
Process Change Notification of APCO.	Rule 202	Facility	Y	N	Annual	N/A	N/A
Cold Solvent Metal Cleaning Devices	Rule 416	Facility	Y	N	Annual	N/A	N/A
Outdoor Fire Limitation	Rule 501.A	Facility	Y	N	Annual	N/A	N/A
State Certification for Portable Equipment	SIP Rule 205	Facility	Y	N	Annual	N/A	N/A
Architectural Coatings	Rule 433	Facility	Y	N	Annual	N/A	N/A
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO compliance with this permit.	Rule 261.F.1.j.2	Facility	Y	N	Annual	N/A	N/A
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO air contaminant emissions.	SIP Rule 205	Facility	Y	N	Annual	N/A	N/A
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO whether or not cause exists to modify, revoke, reissue, or terminate this permit.	Rule 216.F.1.j.1	Facility	Y	N	Annual	N/A	N/A
Within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO whether or not cause exists for an enforcement action.	Rule 216.F.1.j.2	Facility	Y	N	Annual	N/A	N/A
If Chicago Grade Landfill 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	Facility	Y	N	Annual	N/A	N/A
This permit, or a true copy, shall be made readily accessible at Chicago Grade Landfill's landfill office and shall not be altered or defaced in any way.	SIP Rule 201.E&F	Facility	Y	N	Annual	N/A	N/A
Emergency Provisions	Rule 107	Facility	Y	N	Annual	N/A	N/A
Right of Entry	Rule 216.F.2.a	Facility	Y	N	Annual	N/A	N/A
Chicago Grade Landfill shall not build, erect, install, or use, any article, machine, equipment, or process subject to an applicable standard, if the use of which conceals and emission that would otherwise constitute a violation of that standard.	40CFR61.12, 40CFR61.19	Facility	Y	N	Annual	N/A	N/A
Permit Life	Rule 216.I.1, I.2, & I.4	Facility	Y	N	Annual	N/A	N/A
Payment of Fees	Rule 216.F.1.k	Facility	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
Specific Recordkeeping, Inspection, and Reporting Requirements	Rule 206 and Rule 216.F.1	Facility	Y	N	Annual	N/A	N/A
All testing shall be conducted in accordance with the District's Source Test Policy	Rule 210.B.1	Facility	Y	N	Annual	N/A	N/A
A record of compliance testing shall be maintained	Rule 216.F.1.c.3	Facility	Y	N	Annual	N/A	N/A
The landfill gas collection and flare system shall be operated as described in the applications submitted for PTO No. 547-5, and the Operation and Maintenance Plan dated January 12, 1999 unless otherwise specified.	PTO 547-5 Cond. No. 1	GCCS	Y	N	Annual	N/A	N/A
If the APCO determines that the operation of this equipment is causing a public nuisance, the owner/operator shall take immediate action and eliminate the nuisance	PTO 547-5 Cond. No. 2, PTO No. 648-5 Condition No. 17	GCCS, shredder and associated equipment	Y	N	Annual	N/A	N/A
The APCO shall be notified in writing before any changes are made to operating procedures, equipment, or materials used which have the potential to increase the emission of any air contaminant.	PTO 547-5 Cond. No. 3, PTO No. 648-5 Condition No. 18	GCCS, shredder and associated equipment	Y	N	Annual	N/A	N/A
The APCO, at any time, may require from Chicago Grade Landfill such information, analysis, plans, or specifications which will disclose the nature, extent, quantity, or degree of air contaminants which are, or may be, discharged by the source for which this permit was issued.	PTO 547-5 Cond. No. 4	GCCS	Y	N	Annual	N/A	N/A
Leak Requirements: The owner shall maintain, monitor, operate, and improve the GCCS and landfill cover to prevent leaks; All leaks shall be conspicuously tagged with a marker which displays the date of leak detection; Leaks shall be repaired to a leak-free state.	PTO 547-5 Cond. No. 6	Landfill and GCCS	Y	N	Annual	N/A	N/A
The Caterpillar 3306BDITA Engine shall not be operated unless the particulate filter system is installed and operating correctly	PTO 648-5 Cond. No. 1	Shredder Engine	Y	N	Annual	N/A	N/A
No More than 76.4 gallons of diesel fuel per operating-day calculated on a monthly average basis shall be combusted in the Caterpillar engine. Compliance shall be determined by dividing the total fuel used in any given calendar month by the number of tire shredding days during that same month.	PTO 648-5 Cond. No. 2	Shredder Engine	Y	N	Annual	N/A	N/A
The sulfur content of the diesel fuel used shall not exceed 0.05% by weight.	PTO 648-5 Cond. No. 5	Shredder Engine	Y	N	Annual	N/A	N/A
The engine shall have a non-resettable run-time hour meter installed and maintained in good operating condition in accordance with the manufacturer's recommendations.	PTO 648-5 Cond. No. 6	Shredder Engine	Y	N	Annual	N/A	N/A
Water shall be used as necessary to minimize fugitive dust from the tire shredder and material handling equipment.	PTO 648-5 Cond. No. 9	Shredder Engine	Y	N	Annual	N/A	N/A
Chicago Grade Landfill shall implement an Air Pollution Control Officer approved engine operator inspection plan to ensure that the engine is operated in compliance with the applicable emission limits. The plan shall include:	PTO 648-5 Cond. No. 10	Shredder Engine	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
a) An inspection frequency of no less than every calendar quarter or every 2,000 hours of operation, whichever occurs first. In no event shall the frequency of inspection be less than once per year.	PTO 648-5 Cond. No. 10.a	Shredder Engine	Y	N	Annual	N/A	N/A
b) A description of the preventive and corrective maintenance procedures and practices that will be used to maintain the engine.	PTO 648-5 Cond. No. 10.b	Shredder Engine	Y	N	Annual	N/A	N/A
The diesel particulate filter system (DPF) shall be operated as specified by the manufacturer.	PTO 648-5 Cond. No. 11	Shredder Engine	Y	N	Annual	N/A	N/A
The operator is responsible for regularly monitoring the operations of the DPF and for servicing the DPF as appropriate to maintain effective emission control of the engine exhaust diesel particulate matter.	PTO 648-5 Cond. No. 12	Shredder Engine	Y	N	Annual	N/A	N/A
A calendar monthly record shall be maintained for the engine that includes the following data. The operator shall maintain that log for a period of at least three (3) years after the date of each entry and shall make that log available for the District's inspection upon request.	PTO 648-5 Cond. No. 13	Shredder Engine	Y	N	Annual	N/A	N/A
a) Date and results of each engine inspection	PTO 648-5 Cond. No. 13.a	Shredder Engine	Y	N	Annual	N/A	N/A
b) A summary of any preventive or corrective maintenance taken	PTO 648-5 Cond. No. 13.b	Shredder Engine	Y	N	Annual	N/A	N/A
c) The engine hours of operation, tire shredder operating days, and fuel usage for the month of record	PTO 648-5 Cond. No. 13.c	Shredder Engine	Y	N	Annual	N/A	N/A
d) Average calendar-month operating-day fuel usage (fuel usage/number of operating days)	PTO 648-5 Cond. No. 13.d	Shredder Engine	Y	N	Annual	N/A	N/A
e) The cumulative total of hours of engine operation since the last inspection pursuant to condition 10.a and since the last compliance test under Condition 13	PTO 648-5 Cond. No. 13.e	Shredder Engine	Y	N	Annual	N/A	N/A
f) Engine exhaust pressure and temperature data in sufficient quantity to show diesel particulate filter regeneration events at regular intervals in accordance with Condition 12	PTO 648-5 Cond. No. 13.f	Shredder Engine	Y	N	Annual	N/A	N/A
g) Diesel particulate filter manual cleaning or replacement event date	PTO 648-5 Cond. No. 13.g	Shredder Engine	Y	N	Annual	N/A	N/A
h) Any additional information required in the Engine Operator Inspection Plan as defined in District Rule 431.E of the same title	PTO 648-5 Cond. No. 13.h	Shredder Engine	Y	N	Annual	N/A	N/A
Every 8,760 hours of operation, not to exceed three (3) years between tests, Chicago Grade Landfill shall conduct, or cause to be conducted, a compliance test to determine the exhaust emissions of NOx, CO, and O2 using ARB Method 100. A source test plan shall be submitted to the APCO at least 30 days prior to the test in accordance with the current version of the District's Source Test Policy.	PTO 648-5 Cond. No. 14	Shredder Engine	Y	N	Annual	N/A	N/A

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Applicable Requirement	Citation	Emission Unit	Compliance Status (Y/N/FE)	CAM Applicable (Y/N)	Certification Schedule	Enhanced Monitoring Compliance Status	Date of Risk Management Plan
The total fuel usage, operating hours, and operating days for the previous calendar year shall be reported to the APCO before February 28 of each year. This requirement may be met through the annual emissions inventory submittal so long as the above data are included.	PTO 648-5 Cond. No. 15	Shredder and associated equipment	Y	N	Annual	N/A	N/A
This equipment shall be operated and maintained in accordance with the manufacturer's recommendations and the information presented in the application under which PTO No. 648-5 was granted.	PTO 648-5 Cond. No. 16	Shredder and associated equipment	Y	N	Annual	N/A	N/A
All information needed to estimate air pollution emissions shall be provided to the District upon request. This information may consist of, bit is not limited to: throughput data, process variables, device characteristics, and pollutant release characteristics.	PTO 648-5 Cond. No. 19	Shredder and associated equipment	Y	N	Annual	N/A	N/A
PTO No. 648-5 is not transferable to a new owner or location without the APCO's approval. A change of ownership application shall be submitted to the APCO at least ten (10) working days prior to any change in the person or agency that is responsible for the operation of the equipment described in PTO No. 648-5. An authority to construct application must be submitted and approved by the APCO prior to moving the permitted equipment to a new location that is not within the boundaries of the Chicago Grade Landfill.	PTO 648-5 Cond. No. 20	Shredder and associated equipment	Y	N	Annual	N/A	N/A

Chicago Grade Landfill
Applicable Requirements With Emission Limitations

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Applicable Requirements	**Citation**	**Emission Limit**	**Emission Unit**	**Emissions (tpy)**	**pollutant**	**Emission Rate**	**Test Method**	**Emissions Information**	**Control Measurers**	**Other**
Visible Emissions	Rule 401	Ringlemann No. 2 or 40 %	Facility	N/A	Visual	<40%	Method 22	N/A	N/A	
Particulate Matter Emission Standards	Rule 403.C.1	0.12 lb/MMBtu	Flare	2.58	PM		NA		N/A	
Sulfur Compound Emission Standards	Rule 404.A	0.2% by volume SO_2	Flare		SO_2	0.20%	NA		N/A	
Sulfur Compound Emission Standards	Rule 404.E.1	50gr/100 scf total sulfur as H_2S	Flare	9.5	SO_2		NA		N/A	
Carbon Monoxide Emission Standards	Rule 406.A	2,000 ppmv	Flare		CO	2,000 ppmv	NA		N/A	
Volatile Organic Compound Emission Limit	PTO 547-5 Cond. No. 7	98% VOC destruction or 30 ppm as methane @ 3% O2	Flare	0.3	VOC	30 ppmv	EPA Method 25C		N/A	Biennial testing required
Nitrogen Oxide Emission Limit	PTO 547-5 Cond. No. 8	0.06 pounds per million BTU	Flare	1.3	NOx	0.29 lb/hr	EPA Method 7		N/A	Biennial testing required
Carbon Monoxide Emission Limit	PTO 547-5 Cond. No. 9	0.2 pounds per million BTU	Flare	4.3	CO	0.98 lb/hr	EPA Method 10		N/A	Biennial testing required
Visible Emissions Limit	PTO 547-5 Cond. No. 10	Ringlemann No. 1 or 20 %	Flare	N/A	Visual	<20%	EPA Method 22	N/A	N/A	
Component and Surface Leak Limit	PTO 547-5 Cond. No. 5	1,000 ppmv total organic compounds as methane	Landfill and GCCS	N/A	TOC		EPA Method 21		N/A	
Nitrogen Oxide Emission Limit	PTO 648-5 Cond. No. 3	600 ppmv dry at 15% O2	Shredder Engine		NOx		EPA Method 7E		76.4 gal/day fuel consumption limit	Testing required every 8760 hrs of operation or every 3 years

a	b		c	d				e	f	g
Applicable Requirements	**Citation**	**Emission Limit**	**Emission Unit**	**Emissions (tpy)**	**pollutant**	**Emission Rate**	**Test Method**	**Emissions Information**	**Control Measurers**	**Other**
Carbon Monoxide Emission Limit	PTO 648-5 Cond. No. 4	4,500 ppmv dry at 15% O2	Shredder Engine		CO		EPA Method 10		76.4 gal/day fuel consumption limit	Testing required every 8760 hrs of operation or every 3 years
Visible Emissions Limit	PTO 648-5 Cond. No. 7	Ringlemann No. 1/4 or 5 %	Shredder Engine	N/A	Visual	<5%	EPA Method 22	N/A	N/A	
Visible Emissions Limit	PTO 648-5 Cond. No. 8	20%	Shredder Engine	N/A	Visual	<20%	EPA Method 22	N/A	N/A	

Chicago Grade Landfill
Applicable Requirements Without Emission Limitations

a Applicable Requirement	b Citation	c Emission Unit	d Other
Landfill Gas Emissions	Rule 426	Landfill	CGL is subject to Rule 426 with more than 500,000 tons of waste in place
The owner shall update the emissions quantification plan and/or VOC emissions estimate at a future date as determined by the APCO.	Rule 426.D.5	Landfill	VOC emissions from CGL have been determined to be less than 15 tons per year
Maintain a map indicating the location and date of cover placement for each area with intermediate and final cover.	Rule 426.H.1.a	Landfill	
Maintain records of results of all perimeter well testing	Rule 426.H.1.b	Landfill	
Maintain records of the results of all methane or VOC emission tests including off-site migration tests, perimeter well tests, and surface cover tests.	Rule 426.H.1.c	Landfill	
Maintain annual records of the tonnage of refuse accepted for the prior year.	Rule 426.H.1.d	Landfill	
The owner of any solid waste disposal site subject to the requirements of this Rule shall submit an application for an Authority to Construct no later than 90 days after determination that the disposal site is emitting more than fifteen (15) tons per year of VOCs	Rule 426.I.1	Landfill	
Records required by Section H shall be maintained for a period of two years from the date of each entry and shall be made available to the District upon request.	Rule 426.I.5	Landfill	
The provisions of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991	40CFR60.750.a	Landfill	CGL received approval for expansion of the landfill in August 2007.
Each owner or operator of and MSW landfill having a design capac ty equal to or greater than 2.5 million megagrams and 2.5 million cubic meters, shall either comply with paragraph (b)(2) of this section or calculate an NMOC emission rate for the landfill using the procedures specified in 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 60.757(b)(1)(ii) of this subpart.	40CFR60.752(b)	Landfill	CGL has calculated NMOC emissions to be less than 50 megagrams per year for each of the next 5 consecutive years as specified in 60.757(b)(1)(ii)

a	b	c	d
Applicable Requirement	**Citation**	**Emission Unit**	**Other**
The owner or operator of a MSW landfill subject to this subpart with a design capacity greater than or equal to 2.5 million megagrams and 2.5 million cubic meters, becomes subject to the requirements of 40CFR70.5(a)(1)(i) or 71.5(a)(1)(i) on June 10, 1006 or MSW landfills that commenced construction, modification, or reconstruction on or after May 30, 1991 but before March 12, 1996.	40CFR60.752(c)(1)	Landfill	CGL is submitting this application for a a Part 70 operating permit
Tier 2. The landfill owner or operator shall determine the NMOC concentration using the following sampling procedure	40CFR60.754(a)(3)	Landfill	CGL has a gas collection and control system installed. Extracting landfill gas samples from the main header satisfies the Tier 2 sampling requirements.
The landfill owner or operator shall recalculate the NMOC mass emission rate using the equations provided in paragraph (a)(1)(i) or (a)(1)(ii) of this section and using the average NMOC concentration from the collected samples	40CFR60.754(a)(3)(i)	Landfill	
If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the landfill owner or operator shall either comply with 60.752(b)(2), or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate	40CFR60.754(a)(3)(ii)	Landfill	The calculated NMOC emission rate for the CGL over the next five years is less than 50 megagrams per year.
Each owner or operator subject to the requirements of this subpart shall submit an initial design capacity report to the Administrator	40CFR60.757(a)	Landfill	
Each owner or operator subject to the requirements of this subpart shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided for in paragraphs (b)(1)(ii) or (b)(3) of this section	40CFR60.757(b)	Landfill	CGL has calculated NMOC emissions to be less than 50 megagrams per year for each of the next 5 consecutive years as specified in 60.757(b)(1)(ii)
Each owner or operator subject to the provisions of 60.752(b)(2)(i) shall submit a collection and control system design plan to the Administrator within 1 year of the first report required under paragraph (b) of this section in which the emission rate equals or exceeds 50 megagrams per year	40CFR60.757(c)	Landfill	CGL has calculated NMOC emissions to be less than 50 megagrams per year for each of the next 5 consecutive years as specified in 60.757(b)(1)(ii)
Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation.	40CFR60.757(d)	Landfill	

a Applicable Requirement	b Citation	c Emission Unit	d Other
Each owner or operator of a controlled landfill shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment.	40CFR60.757(e)	Landfill	
Each owner or operator of an MSW landfill subject to the provision of 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate.	40CFR60.758(a)	Landfill	
Standard conditions are a gas temperature of 60 degrees Fahrenheit and a gas pressure of 14.7 pounds per square inch absolute. Results of all analyses and tests shall be calculated or reported at this gas temperature and pressure.	SIP Rule 106	Facility	
Visible emissions shall not exceed Ringlemann No. 2 or forty percent (40%) opacity for a period exceeding three minute aggregated in any sixty minute period of time.	SIP Rule 401	Facility	
A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.	SIP Rule 402	Facility	
Authority to Construct. Any person building, erecting, altering or replacing any article, machine, equipment or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, shall first obtain authorization for such construction from the Air Pollution Control Officer.	Rule 202.A.1	Facility	
Permits to Operate. Before any article, machine, equipment or other contrivance, the use of which may cause, increase, eliminate, reduce or control the issuance of air contaminants may be operated or used, a Permit to Operate shall be obtained from the Control Officer	Rule 202.A.2	Facility	

a	b	c	d
Applicable Requirement	**Citation**	**Emission Unit**	**Other**
a person who employs solvent metal cleaning (degreasing) shall utilize a device for such cleaning that conforms to the requirements in Section B.1 to B.6 of the rule	Rule 416.B	Facility	
a person who employs solvent metal cleaning (degreasing) must conform to Section C.1 to C.11 of the rule	Rule 416.C	Facility	
Submit, revise reports, or report source test results as required by subpart M	40CFR61.05.d	Facility	
Ensure that any change to the information provided in the initial notification under 40CFR61.10.a shall be submitted to the APCO no later than 30 days after that change	40CFR60.10.c	Facility	
Ensure that the landfill shall be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions	40CFR61.12.c	Facility	
Ensure that regulate asbestos containing material workers are adequately train in accordance with 40CFR60.145.c.8	40CFR61.145.c.8	Facility	
At least forty-five calendar days prior to excavating or otherwise disturbing any asbestos-containing material, Chicago Grade Landfill shall submit a report to the APCO in writing	40CFR61.151.d	Facility	
The facility shall comply with all applicable provisions of Rule 422, Architectural Coatings	Rule 433	Facility	
The facility shall comply with all applicable provisions of Rule 216, Federal Part 70 Permits	Rule 216	Facility	
Metal Surface Coatings	Rule 407.H.2	Facility	
Architectural Coatings	Rule 407.H.3	Facility	
Photochemically Reactive Solvent Evaporation	Rule 407.H.4	Facility	
Air Toxic Hot Spots	Rule 204.F.1	Facility	
Abrasive Blasting	CCR92000	Facility	
Operation/Maintenance Requirements	40CFR60.11.d	Facility	
Process Change Notification of APCO.	Rule 202	Facility	
Cold Solvent Metal Cleaning Devices	Rule 416	Facility	
Outdoor Fire Limitation	Rule 501.A	Facility	
State Certification for Portable Equipment	SIP Rule 205	Facility	
Architectural Coatings	Rule 433	Facility	
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO compliance with this permit.	Rule 261.F.1.j.2	Facility	

a	b	c	d
Applicable Requirement	**Citation**	**Emission Unit**	**Other**
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO air contaminant emissions.	SIP Rule 205	Facility	
within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO whether or not cause exists to modify, revoke, reissue, or terminate this permit.	Rule 216.F.1.j.1	Facility	
Within a reasonable time period, Chicago Grade Landfill shall furnish any information requested by the APCO whether or not cause exists for an enforcement action.	Rule 216.F.1.j.2	Facility	
If Chicago Grade Landfill 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	Facility	
This permit, or a true copy, shall be made readily accessible at Chicago Grade Landfill's landfill office and shall not be altered or defaced in any way.	SIP Rule 201.E&F	Facility	
Emergency Provisions	Rule 107	Facility	
Right of Entry	Rule 216.F.2.a	Facility	
Chicago Grade Landfill shall not build, erect, install, or use, any article, machine, equipment, or process subject to an applicable standard, if the use of which conceals and emission that would otherwise constitute a violation of that standard.	40CFR61.12, 40CFR61.19	Facility	
Permit Life	Rule 216.I.1, I.2, & I.4	Facility	
Payment of Fees	Rule 216.F.1.k	Facility	
Specific Recordkeeping, Inspection, and Reporting Requirements	Rule 206 and Rule 216.F.1	Facility	
All testing shall be conducted in accordance with the District's Source Test Policy	Rule 210.B.1	Facility	
A record of compliance testing shall be maintained	Rule 216.F.1.c.3	Facility	
The landfill gas collection and flare system shall be operated as described in the applications submitted for PTO No. 547-5, and the Operation and Maintenance Plan dated January 12, 1999 unless otherwise specified.	PTO 547-5 Cond. No. 1	GCCS	
If the APCO determines that the operation of this equipment is causing a public nuisance, the owner/operator shall take immediate action and eliminate the nuisance	ond. No. 2, PTO No. 648-5 Cor	GCCS, shredder and associated equipment	

a Applicable Requirement	b Citation	c Emission Unit	d Other
The APCO shall be notified in writing before any changes are made to operating procedures, equipment, or materials used which have the potential to increase the emission of any air contaminant.	ond. No. 3, PTO No. 648-5 Cor	GCCS, shredder and associated equipment	
The APCO, at any time, may require from Chicago Grade Landfill such information, analysis, plans, or specifications which will disclose the nature, extent, quantity, or degree of air contaminants which are, or may be, discharged by the source for which this permit was issued.	PTO 547-5 Cond. No. 4	GCCS	
Leak Requirements: The owner shall maintain, monitor, operate, and improve the GCCS and landfill cover to prevent leaks; All leaks shall be conspicuously tagged with a marker which displays the date of leak detection; Leaks shall be repaired to a leak-free state.	PTO 547-5 Cond. No. 6	Landfill and GCCS	
The Caterpillar 3306BDITA Engine shall not be operated unless the particulate filter system is installed and operating correctly	PTO 648-5 Cond. No. 1	Shredder Engine	
No More than 76.4 gallons of diesel fuel per operating-day calculated on a monthly average basis shall be combusted in the Caterpillar engine. Compliance shall be determined by dividing the total fuel used in any given calendar month by the number of tire shredding days during that same month.	PTO 648-5 Cond. No. 2	Shredder Engine	
The sulfur content of the diesel fuel used shall not exceed 0.05% by weight.	PTO 648-5 Cond. No. 5	Shredder Engine	
The engine shall have a non-resettable run-time hour meter installed and maintained in good operating condition in accordance with the manufacturer's recommendations.	PTO 648-5 Cond. No. 6	Shredder Engine	
Water shall be used as necessary to minimize fugitive dust from the tire shredder and material handling equipment.	PTO 648-5 Cond. No. 9	Shredder Engine	
Chicago Grade Landfill shall implement an Air Pollution Control Officer approved engine operator inspection plan to ensure that the engine is operated in compliance with the applicable emission limits. The plan shall include:	PTO 648-5 Cond. No. 10	Shredder Engine	
a) An inspection frequency of no less than every calendar quarter or every 2,000 hours of operation, whichever occurs first. In no event shall the frequency of inspection be less than once per year.	PTO 648-5 Cond. No. 10.a	Shredder Engine	

a Applicable Requirement	b Citation	c Emission Unit	d Other
b) A description of the preventive and corrective maintenance procedures and practices that will be used to maintain the engine.	PTO 648-5 Cond. No. 10.b	Shredder Engine	
The diesel particulate filter system (DPF) shall be operated as specified by the manufacturer.	PTO 648-5 Cond. No. 11	Shredder Engine	
The operator is responsible for regularly monitoring the operations of the DPF and for servicing the DPF as appropriate to maintain effective emission control of the engine exhaust diesel particulate matter.	PTO 648-5 Cond. No. 12	Shredder Engine	
A calendar monthly record shall be maintained for the engine that includes the following data. The operator shall maintain that log for a period of at least three (3) years after the date of each entry and shall make that log available for the District's inspection upon request.	PTO 648-5 Cond. No. 13	Shredder Engine	
a) Date and results of each engine inspection	PTO 648-5 Cond. No. 13.a	Shredder Engine	
b) A summary of any preventive or corrective maintenance taken	PTO 648-5 Cond. No. 13.b	Shredder Engine	
c) The engine hours of operation, tire shredder operating days, and fuel usage for the month of record	PTO 648-5 Cond. No. 13.c	Shredder Engine	
d) Average calendar-month operating-day fuel usage (fuel usage/number of operating days)	PTO 648-5 Cond. No. 13.d	Shredder Engine	
e) The cumulative total of hours of engine operation since the last inspection pursuant to condition 10.a and since the last compliance test under Condition 13	PTO 648-5 Cond. No. 13.e	Shredder Engine	
f) Engine exhaust pressure and temperature data in sufficient quantity to show diesel particulate filter regeneration events at regular intervals in accordance with Condition 12	PTO 648-5 Cond. No. 13.f	Shredder Engine	
g) Diesel particulate filter manual cleaning or replacement event date	PTO 648-5 Cond. No. 13.g	Shredder Engine	
h) Any additional information required in the Engine Operator Inspection Plan as defined in District Rule 431.E of the same title	PTO 648-5 Cond. No. 13.h	Shredder Engine	

a Applicable Requirement	b Citation	c Emission Unit	d Other
Every 8,760 hours of operation, not to exceed three (3) years between tests, Chicago Grade Landfill shall conduct, or cause to be conducted, a compliance test to determine the exhaust emissions of NOx, CO, and O2 using ARB Method 100. A source test plan shall be submitted to the APCO at least 30 days prior to the test in accordance with the current version of the District's Source Test Policy.	PTO 648-5 Cond. No. 14	Shredder Engine	The most recent source test was conducted on November 24, 2008.
The total fuel usage, operating hours, and operating days for the previous calendar year shall be reported to the APCO before February 28 of each year. This requirement may be met through the annual emissions inventory submittal so long as the above data are included.	PTO 648-5 Cond. No. 15	Shredder and associated equipment	
This equipment shall be operated and maintained in accordance with the manufacturer's recommendations and the information presented in the application under which PTO No. 648-5 was granted.	PTO 648-5 Cond. No. 16	Shredder and associated equipment	
All information needed to estimate air pollution emissions shall be provided to the District upon request. This information may consist of, bit is not limited to: throughput data, process variables, device characteristics, and pollutant release characteristics.	PTO 648-5 Cond. No. 19	Shredder and associated equipment	
PTO No. 648-5 is not transferable to a new owner or location without the APCO's approval. A change of ownership application shall be submitted to the APCO at least ten (10) working days prior to any change in the person or agency that is responsible for the operation of the equipment described in PTO No. 648-5. An authority to construct application must be submitted and approved by the APCO prior to moving the permitted equipment to a new location that is not within the boundaries of the Chicago Grade Landfill.	PTO 648-5 Cond. No. 20	Shredder and associated equipment	