

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**AIR QUALITY OPERATING PERMIT**

Permit No. AQ0624TVP02

Issue Date: December 3, 2009  
Expiration Date: December 3, 2014

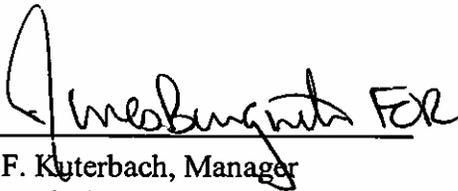
The Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to the Permittee, **Municipality of Anchorage**, for the operation of the **Anchorage Regional Landfill**.

This permit satisfies the obligation of the owner and operator to obtain an operating permit as set out in AS 46.14.130(b).

As set out in AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this operating permit.

Upon effective date of this permit, Operating Permit No. AQ0624TVP01 expires.

This Operating Permit becomes effective January 2, 2010.



John F. Kuterbach, Manager  
Air Permits Program

---

## Table of Contents

Section 1. Stationary Source Information .....	1
Identification .....	1
Names and Addresses .....	1
Process Description .....	1
Section 2. Emission Unit Inventory and Description.....	2
Section 3. State Requirements .....	3
Stationary Source-Wide Specific Requirements .....	3
Owner Requested Limit (ORL) to Avoid Classification as a Major Facility for Hazardous Air Pollutants (HAPs) .....	4
Insignificant Emission Units .....	4
Section 4. Federal Requirements .....	6
Emission Units Subject to Federal New Source Performance Standards (NSPS), Subpart A .....	6
Emission Units Subject to NSPS WWW Air Emission Standards for Municipal Solid Waste Landfill Requirements.....	9
Emission Units/Stationary Sources Subject to Federal National Emission Standards for Hazardous Air Pollutants (HAPs).....	14
Emission Units Subject to National Emission Standards for Hazardous Air Pollutants (NESHAPs) Subpart M – National Emissions Standards for Asbestos (EU ID 2) .....	18
Section 5. General Conditions .....	22
Standard Terms and Conditions .....	22
Open Burning Requirements.....	25
Section 6. General Source Testing and Monitoring Requirements.....	26
Section 7. General Recordkeeping and Reporting Requirements.....	29
Recordkeeping Requirements .....	29
Reporting Requirements .....	29
Section 8. Permit Changes and Renewal .....	34
Section 9. Compliance Requirements .....	37
General Compliance Requirements .....	37
Section 10. Visible Emissions Forms .....	38
Visible Emissions Field Data Sheet .....	38
Visible Emissions Observation Record.....	39
Section 11. ADEC Notification Form.....	40

### List of Abbreviations Used in this Permit

AAC.....	Alaska Administrative Code	NSPS.....	Federal New Source Performance Standards [NSPS as contained in 40 C.F.R. 60]
ADEC .....	Alaska Department of Environmental Conservation	O & M.....	Operation and Maintenance
AS .....	Alaska Statutes	O <sub>2</sub> .....	Oxygen
ASTM .....	American Society for Testing and Materials	PAL.....	Plantwide Applicability Limitation
BACT.....	Best Available Control Technology	PM-10 .....	Particulate Matter less than or equal to a nominal ten microns in diameter
BHp.....	Boiler Horsepower	ppm .....	Parts per million
C.F.R.....	Code of Federal Regulations	ppmv, ppmvd	Parts per million by volume on a dry basis
The Act ....	Clean Air Act	psia.....	Pounds per Square Inch (absolute)
CO.....	Carbon Monoxide	PSD .....	Prevention of Significant Deterioration
dscf.....	Dry standard cubic foot	PTE .....	Potential to Emit
EPA.....	US Environmental Protection Agency	SIC .....	Standard Industrial Classification
EU .....	Emission Unit	SO <sub>2</sub> .....	Sulfur dioxide
gr./dscf.....	grain per dry standard cubic foot (1 pound = 7000 grains)	TPH.....	Tons per hour
GCCS.....	Gas Collection and Control System	TPY.....	Tons per year
GPH .....	gallons per hour	VOC.....	volatile organic compound [VOC as defined in 40 C.F.R. 51.100(s)]
HAPs.....	Hazardous Air Pollutants [HAPs as defined in AS 46.14.990(14)]	VOL.....	volatile organic liquid [VOL as defined in 40 C.F.R. 60.111b, Subpart Kb]
ID .....	Emission Unit Identification Number	vol%.....	volume percent
kPa .....	kiloPascals	wt%.....	weight percent
LAER.....	Lowest Achievable Emission Rate		
LFG.....	Landfill Gas		
MACT.....	Maximum Achievable Control Technology as defined in 40 C.F.R. 63.		
MR&R .....	Monitoring, Recordkeeping, and Reporting		
MSW.....	Municipal Solid Waste		
NESHAPs	Federal National Emission Standards for Hazardous Air Pollutants [NESHAPs as contained in 40 C.F.R. 61 and 63]		
NMOC .....	Non-methane Organic Compounds		
NO <sub>x</sub> .....	Nitrogen Oxides		

## ***Section 1. Stationary Source Information***

### **Identification**

#### **Names and Addresses**

Permittee: **Municipality of Anchorage**  
P.O. Box 196650  
Anchorage, AK 99519-6650

Stationary Source Name: **Anchorage Regional Landfill**

Location: 61° 17' 45" North; 149° 35' 36" West

Physical Address: 15500 East Eagle River Loop Road  
Eagle River, Alaska 99577

Owner: Municipality of Anchorage - Solid Waste Services  
P.O. Box 196650  
Anchorage, AK 99519-6650

Operator: Municipality of Anchorage - Solid Waste Services  
P.O. Box 196650  
Anchorage, AK 99519-6650

Permittee's Responsible Official: Mark Madden, Director Solid Waste Services

Designated Agent: Mark Madden  
P.O. Box 196650  
Anchorage, AK 99519-6650  
907-343-6262

Stationary Source  
and Building Contact: Anchorage Regional Landfill  
Shane Christiansen  
Municipality of Anchorage - Solid Waste Services  
(907) 428-1064  
ChristiansenSB@Muni.org

Fee Contact: Mark Madden - Director of Solid Waste Services  
P.O. Box 196650  
Anchorage, AK 99519-6650

Permit Contact: Mark Madden

### **Process Description**

SIC Code: 4953 – *Refuse Systems*  
[18 AAC 50.040(j)(3), 7/25/08 and 18 AAC 50.326(a), 12/1/04]  
[40 C.F.R. 71.5(c)(1 & 2), 7/2/07]

**Section 2. Emission Unit Inventory and Description**

Emission units listed in Table A have specific monitoring, record keeping, or reporting conditions in this permit. Emission unit descriptions and ratings are given for identification purposes only.

**Table A - Emission Units Inventory**

<b>EU ID</b>	<b>Emission unit Name</b>	<b>Emission unit Description</b>	<b>Rating/size</b>	<b>Installation Date</b>
1	Solid Waste Landfill	Receiving, processing and disposal of MSW	32.34 million cubic meters 20.12 million megagrams	October 30, 1987
2	Asbestos Disposal	Placement of Asbestos into the landfill	N/A	August 1990 <sup>1</sup>
3	Fugitive Dust Emissions	MSW landfill operations and vehicle travel on premises	237 TPY of PM <sub>10</sub> 1033 TPY total particulate <sup>2</sup>	N/A
4	Landfill Gas Control Flare	Incinerates landfill gas collected from the landfill	2,000 cfm	September 29, 2006

Table Notes:

- 1 Weighing of asbestos and contaminated soil data began August 1990 (Appendix A – Municipality of Anchorage Regional Landfill Title V Application)
- 2 Fugitive dust potential emissions (2007: Appendix B – Municipality of Anchorage – Anchorage Regional Landfill Title V Renewal Application)

[18 AAC 50.326(a), 12/1/04]  
 [40 C.F.R. 51.166(b) and 40 C.F.R. 71.5(c)(3), 7/2/07]

### ***Section 3. State Requirements***

#### **Stationary Source-Wide Specific Requirements**

- 1. Dust Control Plan (EU ID 3):** The Permittee shall take reasonable precautions to prevent particulate matter (PM) emissions into the ambient air because of industrial activities, construction projects, or the handling, transportation, and storage of bulk materials.

- 1.1 The Permittee shall sweep the stationary source's paved roads every spring season after the snow melts, to remove the gravel and finer particles that are placed on the roads for traction during the winter. The street sweeper shall also be used at other times of the year, as needed to prevent fugitive dust created when dirt is tracked onto the paved road surfaces from unpaved areas.

- 1.2 The Permittee shall inspect the unpaved perimeter road monthly from April through October. The unpaved perimeter road surface shall be treated with an asphalt emulsion, co-polymer inert tackifying agent or other dust suppressant as necessary to maintain a firm, dust-free surface.

- 1.3 Interior unpaved surfaces which remain in use for more than six months shall be inspected monthly from April through October. Interior unpaved surfaces shall be treated with asphalt emulsion, co-polymer inert tackifying agent or other dust suppressant as needed to maintain a firm, dust-free surface.

- 1.4 The Permittee shall make weekly visual determinations of dust levels in the stationary source from April through October. When particulate matter plumes persist, the Permittee shall use a water truck to spray unpaved roadways and lots to reduce dust. Spray the roadways more frequently on dry dusty days.

- 1.5 Recordkeeping:

- a. The Permittee shall keep a log of monthly inspections and dust suppression measures conducted according to Conditions 1.2 and 1.3.
- b. The Permittee shall keep a log of weekly observations of dust levels in the stationary source and a record of all dust control measures carried out at the source. Maintain weekly records of operations that contain the following information at a minimum: the date, observer's initials, precipitation today (yes/no), approximate wind direction/speed, and the level of dust emissions at the facility (low, moderate, high, extreme). Record if dust control measures were required each day and note what actions were taken to minimize dust emissions.
- c. The Permittee shall keep records of complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
- d. any additional precautions that are taken
  - (i) to address complaints described in Condition 1.5c or to address the results of Department inspections that found potential problems; and
  - (ii) to prevent future dust problems.

- 1.6 Reporting: The Permittee shall submit a summary report of the number of days and the dates requiring dust control measures semi-annually, as a part of the Facility Operating Report required in Condition 54.
  - a. Report each date of application for the perimeter road and interior roads in compliance with Condition 1.2 in the Operating Report required by Condition 54.
  - b. The Permittee shall report according to Condition 36.

[18 AAC 50.040(e) and 50.045(d), 7/25/08; 18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.346(c), 11/9/08]

**Owner Requested Limit (ORL) to Avoid Classification as a Major Facility for Hazardous Air Pollutants (HAPs) (EU IDs 1 and 4)**

2. The Permittee shall not emit 9.9 tpy or more of any single hazardous air contaminant or 24.9 tpy or more in aggregate of any two or more hazardous air contaminants.
  - 2.1 Monitoring: The Permittee shall perform calculations to determine total HAPs emissions from Source ID(s) 1 and 4 for the annual period from July 1 through June 30 using the current year's emission estimates for landfill gas production, AP-42 emission factors, alternative emission factors approved by the Department, or source test data and the maximum landfill gas flow of the flare. Calculate the emission estimates in accordance with the most recent EPA methods and guidance.
  - 2.2 Recordkeeping: The Permittee shall maintain records of the calculated emissions estimates from EU ID 1 and 4 in accordance with Condition 49.2b.
  - 2.3 Reporting: Report any deviation of Condition 2 in accordance with the requirements of Condition 68. In accordance with Condition 54, the Permittee shall submit the calculated annual HAPs emissions with the operating report for the period Jul 1 to Dec 31 due February 1 of each year as required by Condition 54. Include in the report a brief discussion of the calculation methods, input data and results.

[18 AAC 50.040(j), 7/25/08 and 18 AAC 50.326(j), 12/01/04]

[40 C.F.R. 71.6(a), 7/2/07]

**Insignificant Emission Units**

3. For emission units at the stationary source that are insignificant as defined in 18 AAC 50.326(d)-(i) that are not listed in this permit, the following apply:
  - 3.1 The Permittee shall submit the compliance certifications of Condition 55 based on reasonable inquiry;
  - 3.2 The Permittee shall comply with the requirements of Condition 36;
  - 3.3 The Permittee shall report in the operating report required by Condition 54 if an emission unit is insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and actual emissions become greater than any of those thresholds.

[18 AAC 50.346(b)(4), 11/9/08]

4. The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process, fuel-burning equipment, or an incinerator to

reduce visibility through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.050(a) & 50.055(a)(1), 7/25/08]

5. The Permittee shall not cause or allow particulate matter emitted from an industrial process or fuel-burning equipment to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.055(b)(1), 7/25/08]

6. The Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c), 7/25/08]

## ***Section 4. Federal Requirements***

### **Emission Units Subject to Federal New Source Performance Standards (NSPS), Subpart A**

7. **NSPS Subpart A Notification.** For any affected facility<sup>1</sup> regulated under NSPS requirements in 40 C.F.R. 60, the Permittee shall furnish the Department and EPA written or electronic notification of:

[18 AAC 50.035, 11/9/08; and 18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.7(a) 7/1/07 & 60.15(d), Subpart A, 7/01/07]

- 7.1 the date that construction or reconstruction of an affected facility commences postmarked no later than 30 days after such a date;  
[40 C.F.R. 60.7(a)(1), Subpart A, 7/1/07]
- 7.2 the actual date of initial startup of an affected facility postmarked within 15 days after startup;  
[40 C.F.R. 60.7(a)(3), Subpart A, 7/1/07]
- 7.3 any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies unless that change is specifically exempted under an applicable subpart or in 40 C.F.R. 60.14(e), postmarked as soon as practicable but no more than 60 days before the change commences;  
[40 C.F.R. 60.7(a)(4), Subpart A, 7/1/07]
- 7.4 the date of a continuous monitoring system performance demonstration, if required, postmarked not less than 30 days prior to such date;  
[40 C.F.R. 60.7(a)(5), Subpart A, 7/1/07]
- 7.5 the anticipated date for conducting the opacity observations required by 40 C.F.R. 60.11(e)(1), including, if appropriate, a request for the Department to provide a visible emissions reader during a performance test, postmarked not less than 30 days prior to such date;  
[40 C.F.R. 60.7(a)(6), Subpart A, 7/1/07]
- 7.6 that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during a performance test required in lieu of Method 9 observation data as allowed by 40 C.F.R. 60.11(e)(5), postmarked not less than 30 days prior to the date of the performance test; and  
[40 C.F.R. 60.7(a)(7), Subpart A, 7/1/07]
- 7.7 any proposed replacement of an existing facility, for which the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, postmarked as soon as

---

<sup>1</sup> *Affected facility* means, with reference to a stationary source, any apparatus to which a standard applies, as defined in 40 C.F.R. 60.2, effective 7/1/07

practicable, but no less than 60 days before commencement of replacement, and including the following information:

[40 C.F.R. 60.15(d), 7/1/07]

- a. the name and address of owner or operator,
- b. the location of the existing facility,
- c. a brief description of the existing facility and the components that are to be replaced,
- d. a description of the existing and proposed air pollution control equipment,
- e. an estimate of the fixed capital cost of the replacements, and of constructing a comparable entirely new facility,
- f. the estimated life of the existing facility after the replacements, and
- g. a discussion of any economic or technical limitations the facility may have in complying with 40 C.F.R. 60, after the replacements.

8. **NSPS Subpart A Startup, Shutdown, & Malfunction Requirements.** The Permittee shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of EU IDs 1 and 4, any malfunctions of associated air-pollution control equipment, or any periods during which a continuous monitoring system or monitoring device for EU IDs 1 and 4 is inoperative.

[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.7(b), Subpart A, 7/1/07]

9. **NSPS Subpart A Excess Emissions and Monitoring Systems Performance Report.** Except as provided for in Condition 10, the Permittee shall submit to the Department and to EPA a written "excess emissions and monitoring systems performance report " (EEMSP)<sup>2</sup> any time a limit in Conditions 14 through 20 has been exceeded, as described in this condition. The Permittee shall submit the EEMSP reports to EPA quarterly, postmarked no later than 30 days after the end of the last calendar quarter.

[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.7(c), Subpart A, 7/1/07]

- 9.1 The magnitude of excess emissions computed in accordance with Condition 9, any conversion factors used, the date and time of commencement and completion of each time period of excess emissions, and the process operating time during the reporting period.

[40 C.F.R. 60.7(c)(1), Subpart A, 7/1/07]

- 9.2 Identification of each period of excess emissions that occurred during startup, shutdown, and malfunction of EU IDs 1 and 4 the nature and cause of any malfunction, and the corrective action taken or preventative measures adopted.

[40 C.F.R. 60.7(c)(2), Subpart A, 7/1/07]

---

<sup>2</sup> The federal EEMSP report is not the same as the State excess emission report required by Condition 54.

- 9.3 The date and time identifying each period during which a Continuous Monitoring System (CMS) was inoperative except for zero and span checks and the nature of any repairs or adjustments.  
[40 C.F.R. 60.7(c)(3), Subpart A, 7/1/07]
- 9.4 A statement indicating whether or not any excess emissions occurred or the CMS was inoperative, repaired, or adjusted, at any time during the reporting period.  
[40 C.F.R. 60.7(c)(4), Subpart A, 7/1/07]
- 10. NSPS Subpart A Summary Report Form.** The Permittee shall submit to the Department and to EPA one "summary report form"<sup>3</sup> in the format shown in Figure 1 of 40 C.F.R. 60.7 for each pollutant monitored for EU IDs 1 and 4 as follows:  
[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.7(d), Subpart A, 7/1/07]
- 10.1 If the total duration of excess emissions for the reporting period is less than one percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than five percent of the total operating time for the reporting period, submit a summary report form **instead of** the EEMSP report described in Condition 9, otherwise  
[40 C.F.R. 60.7(d)(1), Subpart A, 7/1/07]
- 10.2 If the total duration of excess emissions for the reporting period is one percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is five percent or greater of the total time for the reporting period, then submit a summary report form **along with** the EEMSP described in Condition 9.  
[40 C.F.R. 60.7(d)(2), Subpart A, 7/1/07]
- 11. NSPS Subpart A Good Air Pollution Control Practice.** At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate EU IDs 1 and 4 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. The administrator will determine whether acceptable operating and maintenance procedures are being used based on information available to the Department which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance records, and inspections of EU IDs 1 and 4.  
[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.11(d), Subpart A, 7/1/07]
- 12. NSPS Subpart A Credible Evidence.** For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of the standards set forth in Conditions 14 through 20, nothing in 40 C.F.R. Part 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether EU IDs 1 and 4 would have been in compliance with applicable

---

<sup>3</sup> See Summary Report form in Attachment A of the Statement of Basis.

requirements of 40 C.F.R. Part 60 if the appropriate performance or compliance test or procedure had been performed.

[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.11(g), Subpart A, 7/1/07]

- 13. NSPS Subpart A Concealment of Emissions.** The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of a standard set forth in Conditions 14 through 20. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[18 AAC 50.040(a)(1), 7/25/08]  
[40 C.F.R. 60.12, Subpart A, 7/1/07]

**Emission Units Subject to NSPS WWW Standards for Municipal Solid Waste Landfill Requirements. (EU IDs 1 and 4)**

**The Permittee must comply with the requirements of NSPS Subpart WWW**

- 14. Operational Standards.** The Permittee must comply with the requirements of NSPS Subpart WWW:

**14.1 Operate the gas collection system such that:**

- a. gas is collected from each area, cell, or group of cells in the landfill in which solid waste has been in place for:
  - (i) 5 years or more if active; or
  - (ii) 2 years or more if closed or at final grade;
- b. methane concentration is less than 500 parts per million above background at the surface of the landfill;
- c. the control or treatment system is operated at all times when the collected gas is routed to the system and;
- d. all collected gases are vented to a control system designed and operated in compliance with 40 C.F.R. 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour;

[40 C.F.R. 60.753(a, d, e, f)]

**14.2 Operate each interior wellhead in the collection system under**

- a. negative pressure, except in the case of:
  - (i) a fire or increased well temperature;

- (ii) use of a geomembrane or synthetic cover. In this case the Permittee shall develop acceptable pressure limits in the design plan;
  - (iii) a decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the Administrator;
- b. a landfill gas temperature less than 55 °C and;
  - c. nitrogen level less than 20 percent or an oxygen level less than 5 percent.
  - d. The Permittee may establish higher temperature, nitrogen or oxygen values at a particular well where a demonstration has shown supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

[40 C.F.R. 60.753(b)]

**15. Exceedences.** If monitoring demonstrates that the operational requirements in Condition 14.1 and 14.2 are not met, corrective action shall be taken as specified in 40 C.F.R. 60.755(a)(3) through (5) or 40 C.F.R. 60.755(c). If corrective actions are taken as specified in 40 C.F.R. 60.755, the monitored exceedance is not a violation of the operational requirements in this section.

[40 C.F.R. 60.755(g)]

15.1 If a positive pressure exists, or if temperature nitrogen or oxygen limits are exceeded;

- a. action shall be initiated to correct the exceedance within 5 calendar days, except in the cases described in Condition 14.2a.

[40 C.F.R. 60.755(a)(3)]

- b. If the pressure and temperature parameters cannot be corrected without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded, or other corrective action implemented, to correct the exceedance within 120 days of the initial exceedance. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval.

[40 C.F.R. 60.755(a)(3)]

15.2 If any methane reading of 500 parts per million or more above background at any location are measured, the following actions shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements.

[40 C.F.R. 60.755(c)]

- a. Mark and record the location of each monitored exceedance.
- b. Conduct cover maintenance or adjust the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance

- c. Re-monitor and correct the exceedance as follows:
  - (i) re-monitor within 10 calendar days of detecting the exceedance;
  - (ii) if the re-monitoring shows a second exceedance, take additional corrective action and monitor the location again within 10 days of the second exceedance;
  - (iii) if the methane concentration is less than 500 ppm above background at the 10-day re-monitoring, re-monitor 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 parts per million above background, no further monitoring of that location is required until the next quarterly monitoring period.
  - (iv) If the 1-month re-monitoring shows an exceedance, take the action described in Condition 15.2(c)(iii) or 15.2(d).
- d. For any location where monitored methane concentration equals or exceeds 500 parts per million above background three times within a quarterly period, install a new collection device, or take an alternative remedy upon administrative approval, within 120 calendar days of the initial exceedance.

**16. Operational Monitoring and Recordkeeping Requirements.** Monitor and record the following information to demonstrate compliance with the operational requirements of NSPS Subpart WWW:

[40 C.F.R. 60.756(a), (c)]

16.1 Monitor and record on a monthly basis:

- a. gauge pressure in the gas collection wellhead at each individual well;
- b. temperature and nitrogen or oxygen in each well;
- c. cover integrity and any necessary repairs to the cover conducted during each month.

16.2 Monitor surface concentrations of methane quarterly along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) according to the parameters described in 40 C.F.R. 60.753(d).

16.3 Monitor the flare as follows:

- a. Operate a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5$  degrees Celsius, whichever is greater. Keep records produced by the continuous recorder;
- b. record the flow to the flare at least every 15 minutes; or

- c. visually inspect the seal or closure mechanism on the bypass line valve at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line if present. Record the date and findings of this inspection.

**17. Design parameter recordkeeping requirements.** Except as provided for in 40 C.F.R. 60.752(b)(2)(i)(B) or as indicated below, keep up-to-date, readily accessible records of the following information for at least 5 years. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

[40 C.F.R. 60.758]

- 17.1 Keep the design capacity report which triggered 40 C.F.R. 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate.
- 17.2 Keep for the life of the collection system a map showing each existing and planned collector in the system and providing a unique identification location label for each collector.
- 17.3 Keep records of the following information, as measured during the initial performance test or compliance determination, for the life of the control equipment. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal.
  - a. The maximum expected gas generation flow rate;
  - b. the density of wells, horizontal collectors, surface collectors, or other gas extraction devices;
  - c. an enclosed combustion device other than a boiler or process heater with a design heat input capacity equal to or greater than 44 megawatts is used:
    - (i) the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test;
    - (ii) the percent reduction of non-methane organic carbon achieved by the control device.

**18. Exceedence Recordkeeping.** Keep the following records pertaining to exceedences:

[40 C.F.R. 60.758(c)(1)]

- 18.1 All 3-hour periods of operation during which the average combustion temperature of the flare was more than 28 °C (50 °F) below the average combustion temperature during the most recent performance test demonstrating compliance;
- 18.2 the installation date and location of all newly installed collectors;

- 18.3 documentation of the nature, date of deposition, amount, and location of asbestos-containing or non-degradable waste or nonproductive areas excluded from collection;
  - 18.4 any methane, temperature, pressure and nitrogen or oxygen readings that exceed the limits of Condition 1; and
  - 18.5 instances when positive pressure occurs in efforts to avoid a fire.
- 19. Routine Reporting.** Submit the following closure or waste removal reports to the Administrator as required:

[40 C.F.R. 60.757(d), (e)]

- 19.1 Submit a closure report within 30 days of waste acceptance cessation.
- 19.2 Submit an equipment removal report 30 days prior to removal or cessation of operation of the control equipment. The equipment removal report shall contain:
  - a. a copy of the closure report submitted in accordance with Condition 19.1;
  - b. a copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and
  - c. dated copies of three successive non-methane organic carbon emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of non-methane organic carbon per year.
- 19.3 **Semi-Annual Administrative Report.** When using an active collection system to comply with 40 C.F.R. 60.752(b)(2), submit to the Administrator semi-annual reports of the information below. For enclosed combustion devices and flares, reportable exceedances are defined under 40 C.F.R. 60.758(c).

[40 C.F.R. 60.757(f) and 40 C.F.R. 63.1980 (a)]

  - a. Value and length of time for exceedance of applicable parameters monitored under 40 C.F.R. 60.756(a), (b), (c), and (d);
  - b. description and duration of all periods when the gas stream is diverted from the control device through a bypass line, or the indication of bypass flow;
  - c. description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating;
  - d. all periods when the collection system was not operating in excess of 5 days;
  - e. the location of each exceedance of the 500 parts per million methane concentration and the concentration recorded at each location for which an exceedance was recorded in the previous month;

- f. the date of installation and the location of each well or collection system expansion.
- 19.4 Include in the Operating Report Required by Condition 54 monthly records kept according to Condition 16.1 through 16.3 and Condition 18.1, 18.3 and 18.5.  
[18 AAC 346(b)(6)]
- 19.5 Report all exceedences listed in Condition 18.1 and 18.4 as excess emissions or permit deviations as described in Condition 53.  
[18 AAC 50.346(b)(2)]

**Emission Units/Stationary Sources Subject to Federal National Emission Standards for Hazardous Air Pollutants (HAPs) (EU ID 2)**

**20. NESHAPS Subpart A: Prohibited activities.**

- 20.1 After the effective date of any standard, no Permittee shall construct or modify any stationary source subject to that standard without first obtaining written approval from the Department in accordance with this subpart, except under an exemption granted by the President under section 112(c)(2) of the Act. Sources, the construction or modification of which commenced after the publication date of the standards proposed to be applicable to the sources, are subject to this prohibition.
- 20.2 After the effective date of any standard, no Permittee shall operate a new stationary source subject to that standard in violation of the standard, except under an exemption granted by the President under section 112(c)(2) of the Act.
- 20.3 Ninety days after the effective date of any standard, no Permittee shall operate any existing source subject to that standard in violation of the standard, except under a waiver granted by the Department under this part or under an exemption granted by the President under section 112(c)(2) of the Act.
- 20.4 No Permittee subject to the provisions of this part shall fail to report, revise reports, or report source test results as required under this part.  
[40 C.F.R. 61.05, 5/16/07]

**21. NESHAPS Subpart A: Source reporting and waiver request.**

- 21.1 The Permittee of each existing source or each new source which had an initial startup before the effective date shall provide the following information in writing to the Department within 90 days after the effective date:
  - a. Name and address of the Permittee.
  - b. The location of the source.
  - c. The type of hazardous pollutants emitted by the stationary source.
  - d. A brief description of the nature, size, design, and method of operation of the stationary source including the operating design capacity of the source. Identify each point of emission for each hazardous pollutant.

- e. The average weight per month of the hazardous materials being processed by the source, over the last 12 months preceding the date of the report.
  - f. A description of the existing control equipment for each emission point including:
    - (i) Each control device for each hazardous pollutant; and
    - (ii) Estimated control efficiency (percent) for each control device.
  - g. A statement by the Permittee of the source as to whether the source can comply with the standards within 90 days after the effective date.
- 21.2 The Permittee of an existing source unable to comply with an applicable standard may request a waiver of compliance with that standard for a period not exceeding 2 years after the effective date. Any request shall be in writing and shall include the following information:
- a. A description of the controls to be installed to comply with the standard.
  - b. A compliance schedule, including the date each step toward compliance will be reached. The list shall include as a minimum the following dates:
    - (i) Date by which contracts for emission control systems or process changes for emission control will be awarded, or date by which orders will be issued for the purchase of component parts to accomplish emission control or process changes;
    - (ii) Date of initiation of onsite construction or installation of emission control equipment or process change;
    - (iii) Date by which onsite construction or installation of emission control equipment or process change is to be completed; and
    - (iv) Date by which final compliance is to be achieved.
  - c. A description of interim emission control steps which will be taken during the waiver period.
- 21.3 Any change in the information provided under Condition 21.1 or 40 C.F.R. 61.07(b) (Application for approval of construction or modification) shall be provided to the Department within 30 days after the change. However, if any change will result from modification of the source, 40 C.F.R. 61.07(c) and 40 C.F.R. 61.08 (Approval of construction or modification) apply.
- 21.4 A possible format for reporting under this section is included as appendix A 40 C.F.R. 61. Advice on reporting the status of compliance may be obtained from the Department.

[40 C.F.R. 61.10, 5/16/07]

**22. NESHAPS Subpart A: Compliance with standards and maintenance requirements.**

- 22.1 The Permittee of each stationary source shall maintain and operate the source, including associated equipment for air pollution control, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Department, which may include, but is not limited to, monitoring results, review of operating and maintenance procedures, and inspection of the source.
- 22.2 If, in the Department's judgment, an alternative means of emission limitation will achieve a reduction in emissions of a pollutant from a source at least equivalent to the reduction in emissions of that pollutant from that source achieved under any design, equipment, work practice or operational standard, the Department will publish in the Federal Register a notice permitting the use of the alternative means for purposes of compliance with the standard. The notice will restrict the permission to the source(s) or category(ies) of sources on which the alternative means will achieve equivalent emission reductions. The notice may condition permission on requirements related to the operation and maintenance of the alternative means.
- 22.3 Any notice under Condition 22.2 shall be published only after notice and an opportunity for a hearing.
- 22.4 Any person seeking permission under this subsection shall, unless otherwise specified in the applicable subpart, submit a proposed test plan or the results of testing and monitoring, a description of the procedures followed in testing or monitoring, and a description of pertinent conditions during testing or monitoring.

[40 C.F.R. 61.12, 5/16/07]

**23. NESHAPS Subpart A: Modification.**

- 23.1 Except as provided under 40 C.F.R. 61.15(d) (Modification), any physical or operational change to a stationary source which results in an increase in the rate of emission to the atmosphere of a hazardous pollutant to which a standard applies shall be considered a modification.
- 23.2 Upon modification, an existing source shall become a new source for each hazardous pollutant for which the rate of emission to the atmosphere increases and to which a standard applies.
- 23.3 Emission rate shall be expressed as kg/hr of any hazardous pollutant discharged into the atmosphere for which a standard is applicable. The Department shall use the following to determine the emission rate:
- a. Emission factors as specified in the background information document (BID) for the applicable standard, or in the latest issue of "Compilation of Air Pollutant Emission Factors," EPA Publication No. AP-42, or other emission factors determined by the Department to be superior to AP-42 emission factors, in cases where use of emission factors demonstrates that the emission

rate will clearly increase or clearly not increase as a result of the physical or operational change.

- b. Material balances, monitoring data, or manual emission tests in cases where use of emission factors, as referenced in 40 C.F.R. 61.15(c)(1), does not demonstrate to the Department's satisfaction that the emission rate will clearly increase or clearly not increase as a result of the physical or operational change, or where an interested person demonstrates to the Department's satisfaction that there are reasonable grounds to dispute the result obtained by the Department using emission factors. When the emission rate is based on results from manual emission tests or monitoring data, the procedures specified in appendix C of 40 C.F.R. part 60 shall be used to determine whether an increase in emission rate has occurred. Tests shall be conducted under such conditions as the Department shall specify to the Permittee. At least three test runs must be conducted before and at least three after the physical or operational change. If the Department approves, the results of the emission tests required in 40 C.F.R. 61.13(a) may be used for the test runs to be conducted before the physical or operational change. All operating parameters which may affect emissions must be held constant to the maximum degree feasible for all test runs.

23.4 The following shall not, by themselves, be considered modifications under this part:

- a. Maintenance, repair and replacement which the Department determines to be routine for a source category.
- b. An increase in production rate of a stationary source, if that increase can be accomplished without a capital expenditure on the stationary source.
- c. An increase in the hours of operation.
- d. Any conversion to coal that meets the requirements specified in section 111(a)(8) of the Act.
- e. The relocation or change in ownership of a stationary source. However, such activities must be reported in accordance with 40 C.F.R. 61.10(c).

[40 C.F.R. 61.15, 5/16/07]

- 24. NESHAPS Subpart A: Concealing of Emissions.** No Permittee shall build, erect, install, or use any article machine, equipment, process, or method, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size.

[40 C.F.R. 61.19, 5/16/07]

**Emission Units Subject to National Emission Standards for Hazardous Air Pollutants (NESHAPs) Subpart M – National Emissions Standards for Asbestos (EU ID 2)**

**25. NESHAPs Subpart M Standard for active waste disposal sites.** The Permittee shall comply with the following:

- 25.1 Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of Condition 25.3 or 25.4 must be met.
- 25.2 Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of Condition 25.3a must be met.
  - a. Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material is deposited. The warning signs must:
    - (i) Be posted in such a manner and location that a person can easily read the legend; and
    - (ii) Conform to the requirements of 51 cm x 36 cm (20" x 14") upright format signs specified in 29 C.F.R. 1910.145(d)(4) and this condition; and
    - (iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this condition.

*Legend Notation*

*Asbestos Waste Disposal Site..... 2.5 cm (1 inch) Sans Serif, Gothic or Block.*

*Do Not Create Dust..... 1.9 cm ( 3/4 inch) Sans Serif, Gothic or Block*

*Breathing Asbestos is Hazardous to Your Health..... 14 Point Gothic.*

*Spacing between any two lines must be at least equal to the height of the upper of the two lines.*

- b. The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public.
  - c. Upon request and supply of appropriate information, the Department will determine whether a fence or a natural barrier adequately deters access by the general public.
- 25.3 Rather than meet the no visible emission requirement of Condition 25.1, at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos-containing waste material that has been deposited at the site during the operating day or previous 24-hour period shall:
- a. Be covered with at least 15 centimeters (6 inches) of compacted non-asbestos-containing material, or

- b. Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the Department. For purposes of this condition, any used, spent, or other waste oil is not considered a dust suppression agent.
- 25.4 Rather than meet the no visible emission requirement Condition 25.1, use an alternative emissions control method that has received prior written approval by the Department according to the procedures described in Condition 25.5.
- 25.5 Use an alternative emission control and waste treatment method that has received prior written approval by the Department. To obtain approval for an alternative method, a written application must be submitted to the Department demonstrating that the following criteria are met:
  - a. The alternative method will control asbestos emissions equivalent to currently required methods.
  - b. The suitability of the alternative method for the intended application.
  - c. The alternative method will not violate other regulations.
  - d. The alternative method will not result in increased water pollution, land pollution, or occupational hazards.
- 25.6 For all asbestos-containing waste material received, the Permittee of the active waste disposal site shall:
  - a. Maintain waste shipment records, using the facility's 'Asbestos Waste Shipment Record' form as found in the 'Municipality of Anchorage – Solid Waste Services Department, Asbestos and Asbestos Containing Materials Disposal Policy,' and include the following information:
    - (i) The name, address, and telephone number of the waste generator.
    - (ii) The name, address, and telephone number of the transporter(s).
    - (iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards).
    - (iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the State and EPA Regional office, and local office as applicable, responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report.

- (v) The date of the receipt.
  - b. As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed waste shipment record to the waste generator.
  - c. Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the State and EPA Regional office, and local office as applicable, responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.
  - d. Retain a copy of all records and reports required by this condition for at least 2 years.
- 25.7 Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.
- 25.8 Upon closure, comply with all the provisions of 40 C.F.R. 61.151 - Standard for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations.
- 25.9 Submit to the Department, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities.
- 25.10 Furnish upon request, and make available during normal business hours for inspection by the Department, all records required under this section.
- 25.11 Notify the Department in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Department at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:
- a. Scheduled starting and completion dates.
  - b. Reason for disturbing the waste.
  - c. Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Department may require changes in the emission control procedures to be used.

- d. Location of any temporary storage site and the final disposal site.

[18 AAC 50.040(b)(3) , 7/25/08]

[18 AAC 50.350(d)(1), 1/18/97]

[40 C.F.R. 61.154, 61.149c(2), 5/16/07]

**26. Reporting.**

26.1 The Permittee shall provide the following information to the Department within 90 days of the effective date of this subpart unless the Permittee of the existing source has previously provided this information to the Department. Any changes in the information provided by any existing source shall be provided to the Department, postmarked or delivered, within 30 days after the change.

- a. Active and Inactive waste disposal sites:

(i) A brief description of the site; and

(ii) The method or methods used to comply with the standard, or alternative procedures to be used.

26.2 The information required by Condition 26.1 of this section must accompany the information required by Condition 22. The information described in this section must be reported using the format of appendix A of 40 C.F.R. 61 as a guide.

[40 C.F.R. 61.153, 5/16/07]

**Emission Units Subject to National Emission Standards for Hazardous Air Pollutants (NESHAPs) Subpart AAAA – Municipal Solid Waste Landfills (EU ID 1)**

27. The Permittee shall comply with the requirements of 40 CFR Part 60, Subpart WWW that are contained in Conditions 14 - 19.

[40 C.F.R. 63.1955(a)(1), 1/16/03]

28. The Permittee shall maintain a copy of the start-up, shutdown, and malfunction (SSM) plan on site.

[40 C.F.R. 63.1960, 4/20/06]

## ***Section 5. General Conditions***

### **Standard Terms and Conditions**

29. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit.

[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (e), 11/9/08]

30. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the Permittee for modification, revocation and re-issuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (f), 11/9/08]

31. The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (g), 11/9/08]

32. **Administration Fees.** The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400-405.

[18 AAC 50.326(j)(1), 12/1/04; 18 AAC 50.400, 7/25/2008; 18 AAC 50.403, 12/3/05 and 18 AAC 50.405, 1/29/05]  
[AS 37.10.052(b), 11/04 and AS 46.14.240, 6/7/03]

33. **Assessable Emissions.** The Permittee shall pay to the Department an annual emission fee based on the stationary source's assessable emissions as determined by the Department under 18 AAC 50.410. The assessable emission fee rate is set out in 18 AAC 50.410(b). The Department will assess fees per ton of each air pollutant that the stationary source emits or has the potential to emit in quantities greater than 10 tons per year. The quantity for which fees will be assessed is the lesser of

33.1 the stationary source's assessable potential to emit of 174.41 TPY; or

33.2 the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon actual annual emissions emitted during the most recent calendar year or another 12-month period approved in writing by the Department, when demonstrated by

- a. an enforceable test method described in 18 AAC 50.220;
- b. material balance calculations;
- c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or
- d. other methods and calculations approved by the Department.

[18 AAC 50.040(j)(3) 7/25/08; 18 AAC 50.326(j)(1), 12/1/04; 18 AAC 50.035 and 18 AAC 50.346(b)(1), 11/9/08;  
18 AAC 50.410, 12/14/06; and 18 AAC 50.420, 01/29/05]  
[40 C.F.R. 71.5(c)(3)(ii), 7/2/07]

**34. Assessable Emission Estimates.** Emission fees will be assessed as follows:

34.1 no later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions to ADEC, Air Permits Program, ATTN: Assessable Emissions Estimate, 410 Willoughby Ave., Juneau, AK 99801-1795; the submittal must include all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates; or

34.2 if no estimate is submitted on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit set forth in Condition 33.1.

[18 AAC 50.040(j)(3), 7/25/08; 18 AAC 50.326(j)(1), 12/1/04; 18AAC 50.346(b)(1), 11/9/08,  
18 AAC 50.410, 12/14/06; and 18 AAC 50.420, 01/29/05]  
[40 C.F.R. 71.5(c)(3)(ii), 7/2/07]

**35. Dilution.** The Permittee shall not dilute emissions with air to comply with this permit. Monitoring shall consist of an annual certification that the Permittee does not dilute emissions to comply with this permit.

[18 AAC 50.045(a), 10/1/04]

**36. Air Pollution Prohibited.** No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

[18 AAC 50.110, 5/26/72; 18 AAC 50.040(e), 7/25/08; 18 AAC 50.326(j)(3), 12/1/04  
and 18 AAC 50.346(a), 11/9/08]  
[40 C.F.R. 71.6(a)(3), 7/2/07]

**36.1 Monitoring, Record Keeping, and Reporting for Air Pollution Prohibited**

- a. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 53.
- b. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the stationary source, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of Condition 36.

**36.2** The Permittee shall initiate and complete corrective action necessary to eliminate any violation identified by a complaint or investigation as soon as practicable if

- a. after an investigation because of a complaint or other reason, the Permittee believes that emissions from the stationary source have caused or are causing a violation of Condition 36; or
- b. the Department notifies the Permittee that it has found a violation of Condition 36.

36.3 The Permittee shall keep records of

- a. the date, time, and nature of all emissions complaints received;
- b. the name of the person or persons that complained, if known;
- c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of Condition 36; and
- d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

36.4 With each stationary source operating report under Condition 54, the Permittee shall include a brief summary report which must include

- a. the number of complaints received;
- b. the number of times the Permittee or the Department found corrective action necessary;
- c. the number of times action was taken on a complaint within 24 hours; and
- d. the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.

36.5 The Permittee shall notify the Department of a complaint that is attributable to emissions from the stationary source within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.

**37. Technology-Based Emission Standard.** If an unavoidable emergency, malfunction, or non-routine repair, as defined in 18 AAC 50.235(d), causes emissions in excess of a technology-based emission standard<sup>4</sup> listed in Condition(s) 7, 20, and 39 the Permittee shall take all reasonable steps to minimize levels of emissions that exceed the standard. Excess emissions reporting under Condition 53 requires information on the steps taken to minimize emissions. Monitoring of compliance for this condition consists of the report required under Condition 53.

[18 AAC 50.235(a) 10/1/04 & 50.326(j)(4), 12/1/04 and 18 AAC 50.040(j)(4), 7/25/08]  
[40 C.F.R. 71.6(c)(6), 7/2/07]

---

<sup>4</sup> *Technology-based emission standard* means a best available control technology standard (BACT); a lowest achievable emission rate standard (LAER); a maximum achievable control technology standard established under 40 C.F.R. 63, Subpart B, adopted by reference in 18 AAC 50.040(c); a standard adopted by reference in 18 AAC 50.040(a) or (c); and any other similar standard for which the stringency of the standard is based on determinations of what is technologically feasible, considering relevant factors.

- 38. Asbestos NESHAP.** The Permittee shall comply with the requirements set forth in 40 C.F.R. 61.145, 61.150, and 61.152 of Subpart M, and the applicable sections set forth in 40 C.F.R. 61, Subpart A and Appendix A.

[18 AAC 50.040(b)(1) & (2)(F), 7/25/08 and 50.326(j), 12/1/04]  
[40 C.F.R. 61, Subparts A & M, and Appendix A, 5/16/07]

- 39. Refrigerant Recycling and Disposal.** The Permittee shall comply with the standards for recycling and emission reduction of refrigerants set forth in 40 C.F.R. 82, Subpart F.

[18 AAC 50.040(d), 7/25/08 & 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 82, Subpart F, 7/1/07]

### **Open Burning Requirements**

- 40. Open Burning.** If the Permittee conducts open burning at this stationary source, the Permittee shall comply with the requirements of 18 AAC 50.065.

40.1 The Permittee shall keep written records to demonstrate that the Permittee complies with the limitations in this condition and the requirements of 18 AAC 50.065. Upon request by the Department, submit copies of the records.

40.2 Compliance with this condition shall be an annual certification conducted under Condition 48.

[18 AAC 50.065, 1/18/97; 18 AAC 50.040(j), 7/25/08; 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(3), 7/2/07]

## ***Section 6. General Source Testing and Monitoring Requirements***

- 41. Requested Source Tests.** In addition to any source testing explicitly required by the permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.

[18 AAC 50.220(a), 10/1/04 and 18 AAC 50.345(a) & (k), 11/9/08]

- 42. Operating Conditions.** Unless otherwise specified by an applicable requirement or test method, the Permittee shall conduct source testing

[18 AAC 50.220(b), 10/1/04]

42.1 at a point or points that characterize the actual discharge into the ambient air; and

42.2 at the maximum rated burning or operating capacity of the source or another rate determined by the Department to characterize the actual discharge into the ambient air.

- 43. Reference Test Methods.** The Permittee shall use the following as reference test methods when conducting source testing for compliance with this permit:

43.1 Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(a) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60.

[18 AAC 50.220(c)(1)(A), 10/1/04 and 18 AAC 50.040(a), 7/25/08]  
[40 C.F.R. 60, 7/1/07]

43.2 Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(b) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 61.

[18 AAC 50.040(b), 7/25/08 and 18 AAC 50.220(c)(1)(B), 10/1/04]  
[40 C.F.R. 61, 5/16/07]

43.3 Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(c) must be conducted in accordance with the source test methods and procedures specified in 40 C.F.R. 63.

[18 AAC 50.040(c), 7/25/08, and 18 AAC 50.220(c)(1)(C), 10/1/04]  
[40 C.F.R. 63, 7/16/07]

43.4 Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals, and acid gases must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60, Appendix A.

[18 AAC 50.040(a)(3), 7/25/08, and 18 AAC 50.220(c)(1)(E), 10/1/04]  
[40 C.F.R. 60, Appendix A, 7/1/07]

43.5 Source testing for emissions of PM-10 must be conducted in accordance with the procedures specified in 40 C.F.R. 51, Appendix M, Methods 201 or 201A and 202.

[18 AAC 50.035(b)(2), 7/25/08; and 50.220(c)(1)(F), 1/18/97]  
[40 C.F.R. 51, Appendix M, 7/01/07]

43.6 Source testing for emissions of any pollutant may be determined using an alternative method approved by the Department in accordance with 40 C.F.R. 63 Appendix A, Method 301.

[18 AAC 50.035(b)(2), 11/9/08; and 50.220(c)(1)(F), 10/1/04]  
[40 C.F.R. 51, Appendix M, 7/01/07]

**44. Excess Air Requirements.** To determine compliance with this permit, standard exhaust gas volumes must include only the volume of gases formed from the theoretical combustion of the fuel, plus the excess air volume normal for the specific source type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760 millimeters of mercury).

[18 AAC 50.220(c)(3), 10/1/04 and 50.990(102), 7/25/08]

**45. Test Deadline Extension.** The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate Division Director or designee.

[18 AAC 50.345(a) & (l), 11/9/08]

**46. Test Plans.** Except as provided in Conditions 7 through 14, before conducting any source tests, the Permittee shall submit a plan to the Department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the source will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under Condition 41 and at least 30 days before the scheduled date of any test unless the Department agrees in writing to some other time period. Retesting may be performed without resubmitting the plan.

[18 AAC 50.345(a) & (m), 11/9/08]

**47. Test Notification.** Except as provided in Conditions 7 through 14, at least 10 days before conducting a source test, the Permittee shall give the Department written notice of the date and the time the source test will begin.

[18 AAC 50.345(a) & (n), 11/9/08]

**48. Test Reports.** Except as provided in Conditions 7 through 14, within 60 days after completing a source test, the Permittee shall submit two copies of the results in the format set out in the *Source Test Report Outline*, adopted by reference in 18 AAC 50.030. The Permittee shall additionally certify the results in the manner set out in Condition 50. If requested in writing by the Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

[18 AAC 50.345(a) & (o), 11/9/08]

## ***Section 7. General Recordkeeping and Reporting Requirements***

### **Recordkeeping Requirements**

- 49. Recordkeeping Requirements.** The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:

[18 AAC 50.326(j), 12/1/04]  
[40 C.F.R 60.7(f), Subpart A, 7/1/07 and 71.6(a)(3)(ii)(B), 7/2/07]

- 49.1 copies of all reports and certifications submitted pursuant to this section of the permit; and
- 49.2 records of all monitoring required by this permit, and information about the monitoring including:
- a. the date, place, 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.

### **Reporting Requirements**

- 50. Certification.** The Permittee shall certify any permit application, report, affirmation, or compliance certification submitted to the Department and required under the permit by including the signature of a responsible official for the permitted stationary source following the statement: *“Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.”* Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal.

- 50.1 The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if
- a. a certifying authority registered under AS 09.25.510 verifies that the electronic signature is authentic; and

- b. the person providing the electronic signature has made an agreement, with the certifying authority described in Condition 50.1a, that the person accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.345(a) & (j), 11/9/08; 18 AAC 50.205, 10/1/04; and 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

- 51. Submittals.** Unless otherwise directed by the Department or this permit, the Permittee shall send an original and one copy of reports, compliance certifications, and other submittals required by this permit to ADEC, Air Permits Program, 610 University Ave., Fairbanks, AK 99709-3643, ATTN: Compliance Technician. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Condition 50.

[18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

- 52. Information Requests.** The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records required to be kept by the permit. The Department may require the Permittee to furnish copies of those records directly to the federal administrator.

[18 AAC 50.345(a) & (i), 11/9/08; 18 AAC 50.200, 10/1/04; and 18 AAC 50.326(a) & (j), 12/1/04]  
[40 C.F.R. 71.5(a)(2) & 71.6(a)(3), 7/2/07]

- 53. Excess Emissions and Permit Deviation Reports.**

[18 AAC 50.235(a)(2), & 50.240(c), 10/1/04; 18 AAC 50.326(j)(3), 12/1/04  
and 18 AAC 50.346(b)(2) & (3), 11/9/08]

- 53.1 Except as provided in Condition 36, the Permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:
- a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commenced or is discovered, report
    - (i) emissions that present a potential threat to human health or safety; and
    - (ii) excess emissions that the Permittee believes to be unavoidable;
  - b. in accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or non routine repair that causes emissions in excess of a technology based emission standard;
  - c. report all other excess emissions and permit deviations

- (i) within 30 days of the end of the month in which the emissions or deviation occurs, except as provided in Condition 53.1c(ii).
- (ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the Department provides written permission to report under Condition 53.1c(i); and
- (iii) for failure to monitor, as required in other applicable conditions of this permit.

53.2 When reporting excess emissions or permit deviations, the Permittee must report using either the Department's on-line form, which can be found at <http://www.dec.state.ak.us/air/ap/site.htm> or <https://myalaska.state.ak.us/deca/air/airtoolsweb/>, or if the Permittee prefers, the form contained in Section 11 of this permit. The Permittee must provide all information called for by the form that is used. The Permittee must report using either the Department's on-line form, which can be found at <http://www.dec.state.ak.us/air/ap/docs/adby/4notform.pdf>, or if the Permittee prefers, the form contained in Section 11 of this permit. The Permittee must provide all information called for by the form that is used.

53.3 If requested by the Department, the Permittee shall provide a more detailed written report as requested to follow up an excess emissions report.

**54. Operating Reports.** During the life of this permit<sup>5</sup>, the Permittee shall submit to the Department an original and one copy of an operating report by August 1 for the period January 1 to June 30 of the current year and by February 1 for the period July 1 to December 31 of the previous year.

[18 AAC 50.346(a), 11/9/08 and 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(3)(iii)(A), 7/2/07]

54.1 The operating report must include all information required to be in operating reports by other conditions of this permit. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide electronic copies of data reports, emission source test reports, or other records under a cover letter certified in accordance with Departmental submission requirements.

54.2 If excess emissions or permit deviations that occurred during the reporting period are not reported under condition 54.1, either

- a. The Permittee shall identify
  - (i) the date of the deviation;
  - (ii) the equipment involved;
  - (iii) the permit condition affected;

---

<sup>5</sup> "Life of this permit" is defined as the permit effective dates, including any periods of reporting obligations that extend beyond the permit effective dates. For example if a permit expires prior to the end of a calendar year, there is still a reporting obligation to provide operating reports for the periods when the permit was in effect.

- (iv) a description of the excess emissions or permit deviation; and
- (v) any corrective action or preventive measures taken and the date of such actions; or

- b. When excess emissions or permit deviations have already been reported under Condition 53 the Permittee may cite the date or dates of those reports.

**54.3 Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's facility operating report elements covering that partial period immediately preceding the effective date of this renewed permit.

**55. Annual Compliance Certification.** Each year by March 31, the Permittee shall compile and submit to the Department an original and one copy of an annual compliance certification report. The Permittee, at their discretion, may submit one copy in electronic format (PDF or other Department compatible image format).

55.1 Certify the compliance status of the stationary source over the preceding calendar year consistent with the monitoring required by this permit, as follows:

- a. identify each term or condition set forth in Section 3 through Section 9, that is the basis of the certification;
- b. briefly describe each method used to determine the compliance status;
- c. state whether compliance is intermittent or continuous; and
- d. identify each deviation and take it into account in the compliance certification;

**55.2 Transition from expired to renewed permit.** For the first period of this renewed operating permit, also provide the previous permit's annual compliance certification report elements covering that partial period immediately preceding the effective date of this renewed permit

55.3 In addition, submit a copy of the report directly to the EPA-Region 10, Office of Air Quality, M/S OAQ-107, 1200 Sixth Avenue, Seattle, WA 98101.

[18 AAC 50.205, 10/1/04; 18 AAC 50.345(a) & (j), 11/9/08; and 50.326(j),12/1/04]  
[40 C.F.R. 71.6(c)(5), 7/207]

**56. NSPS and NESHAP Reports.** The Permittee shall:

56.1 attach to the facility operating report required by Condition 54, a copy of any NSPS and NESHAPs reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10; and

56.2 upon request by the Department, notify and provide a written copy of any EPA-granted waiver of the federal emission standards, record keeping, monitoring,

performance testing, or reporting requirements, or approved custom monitoring schedules.

18 AAC 50.326(j)(4), 12/1/04, and 18 AAC 50.040(j), 7/25/08]  
[40 C.F.R. 71.6(c)(6), 7/2/07]

## ***Section 8. Permit Changes and Renewal***

**57. Permit Applications and Submittals.** The Permittee shall comply with the following requirements for submitting application information to the EPA-Region 10:

57.1 The Permittee shall provide a copy of each application for modification or renewal of this permit, including any compliance plan, or application addenda, at the time the application or addendum is submitted to the Department<sup>6</sup> ;

57.2 The information shall be submitted to the same address as in Condition 55.3.

57.3 To the extent practicable, the Permittee shall provide to EPA applications in portable document format (PDF); MS Word format (.doc); or other computer-readable format compatible with EPA's national database management system; and

57.4 The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7) & 18 AAC 50.326(b), 12/1/04]  
[40 C.F.R. 71.10(d)(1), 7/2/07]

**58. Emissions Trading.** No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit.

[18 AAC 50.040(j)(4), 7/25/08 and 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(8), 7/2/07]

**59. Off Permit Changes.** The Permittee may make changes that are not addressed or prohibited by this permit other than those subject to the requirements of 40 C.F.R. part 72 through 78 or those that are modifications under any provision of Title I of the Act to be made without a permit revision, provided that the following requirements are met:

[18 AAC 50.040(j)(4), 7/25/08 and 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(12), 7/2/07]

59.1 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;

59.2 Provide contemporaneous written notice to EPA and the Department of each such change, except for changes that qualify as insignificant under 18 AAC 50.326(d) – (i). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change;

59.3 The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 58;

---

<sup>6</sup> The documents required in Condition 55 are submitted to the Department's Anchorage office. The current address for the Anchorage office is: ADEC, 619 East Ship Creek, Suite 249, Anchorage, AK 99501.

59.4 The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

**60. Operational Flexibility.** The Permittee may make changes within the permitted stationary source without requiring a permit revision if the changes are not modifications under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms of total emissions):

60.1 The Permittee shall provide EPA and the Department with a notification no less than 7 days in advance of the proposed change.

60.2 For each such change, the written notification required above shall include a brief description of the change within the permitted stationary source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

60.3 The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change made pursuant to Condition 60.

[18 AAC 50.040(j)(4), 7/25/08 and 18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.6(a)(13), 7/2/07]

**61. Permit Renewal.** To renew this permit, the Permittee shall submit an application under 18 AAC 50.326 no sooner than **June 3, 2013** and no later than **June 3, 2014**. **The renewal application shall be complete before the permit expiration date listed on the cover page of this permit.** Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with 40 C.F.R. 71.7(b) and 71.5(a)(1)(iii).

[18 AAC 50.040(j)(3), 7/25/08 and 18 AAC 50.326(c)(2) & (j)(2), 12/1/04]  
[40 C.F.R. 71.5(a)(1)(iii) and 71.7(b) & (c)(1)(ii), 7/2/07]

**62. Permit Applications.** The Permittee shall send original applications for modification, or renewal of this permit and application addenda to the Department's Anchorage office<sup>7</sup>. In addition, the Permittee may provide electronic copies of application documents; portable document format (PDF) or MS Word are acceptable formats.

[18 AAC 50.326(j), 12/1/04]  
[40 C.F.R. 71.7(a)(1)(i), 7/2/07]

**63.** The Permittee shall submit to the US Environmental Protection Agency (EPA) to the same address as in Condition 55.3

63.1 a copy of any application for modification, or renewal of this permit and application addenda, at the time the application or addendum is submitted to the Department;

---

<sup>7</sup> The current address for the Anchorage office is: ADEC, 619 East Ship Creek, Suite 249, Anchorage, AK 99501

63.2 to the extent practicable, the Permittee shall provide to EPA applications in computer-readable format compatible with EPA's national database management system. In the interim until EPA implements such system, portable document format (PDF) or MS Word are acceptable formats.

[18 AAC 50.040(j)(7), 7/25/08; and 18 AAC 50.326(b), 12/1/04]

[40 C.F.R. 70.10(d)(1)), 7/2/07]

## ***Section 9. Compliance Requirements***

### **General Compliance Requirements**

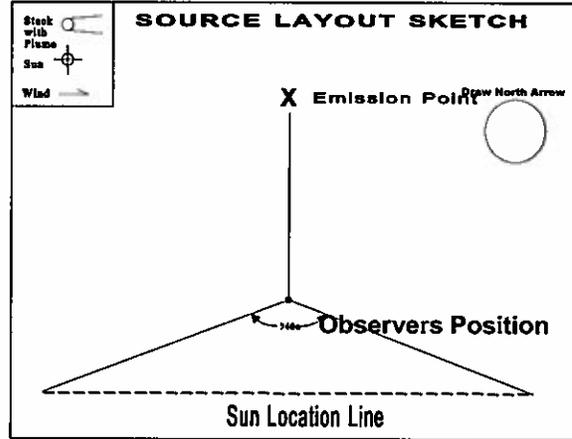
- 64.** Compliance with permit terms and conditions is considered to be compliance with those requirements that are
- 64.1 included and specifically identified in the permit; or
  - 64.2 determined in writing in the permit to be inapplicable.  
[18 AAC 50.326(j)(3), 12/1/04; and 18 AAC 50.345(a) & (b), 11/9/08]
- 65.** The Permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14.120(c), 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for
- 65.1 an enforcement action;
  - 65.2 permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or
  - 65.3 denial of an operating permit renewal application.  
[18 AAC 50.326(j)(3), 12/1/04; and 18 AAC 50.345(a) & (c), 11/9/08]
- 66.** It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition.  
[18 AAC 50.326(j)(3), 10/1/04; and 18 AAC 50.345(a) & (d), 5/03/02]
- 67.** The Permittee shall allow the Department or an inspector authorized by the Department, upon presentation of credentials and at reasonable times with the consent of the Permittee to
- 67.1 enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;
  - 67.2 have access to and copy any records required by the permit;
  - 67.3 inspect any stationary source, equipment, practices, or operations regulated by or referenced in the permit; and
  - 67.4 sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.  
[18 AAC 50.326(j)(3), 12/1/04 and 18 AAC 50.345(a) & (h), 11/9/08]
- 68.** For applicable requirements with which the Anchorage Regional Landfill is in compliance, the Permittee will continue to comply with such requirements.  
[18 AAC 50.040(j), 7/25/08 & 18 AAC 50.326(j), 12/1/04  
[40 C.F.R. 71.6(c)(3) & 71.5(c)(8)(iii)(A), 7/2/07]

**Section 10. Visible Emissions Forms**

**Visible Emissions Field Data Sheet**

Certified Observer: \_\_\_\_\_

Company &  
 Stationary  
 Source: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Test No.: \_\_\_\_\_ Date: \_\_\_\_\_  
 Emission Unit: \_\_\_\_\_  
 Production Rate/Operating  
 Rate: \_\_\_\_\_  
 Unit Operating Hours: \_\_\_\_\_  
 Hrs. of observation: \_\_\_\_\_



Clock Time	Initial				Final
Observer location					
Distance to discharge					
Direction from discharge					
Height of observer point					
Background description					
Weather conditions					
Wind Direction					
Wind speed					
Ambient Temperature					
Relative humidity					
Sky conditions: (clear, overcast, % clouds, etc.)					
Plume description:					
Color					
Distance visible					
Water droplet plume? (Attached or detached?)					
Other information					



**Section 11. ADEC Notification Form<sup>8</sup>**

**Anchorage Regional Landfill**

Stationary Source Name

**AQ0624TVP02**

Air Quality Permit Number

**Municipality of Anchorage**

Company Name

**When did you discover the Excess Emissions/Permit Deviation?**

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ : \_\_\_\_\_

**When did the event/deviation occur?**

Begin Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ : \_\_\_\_\_ (please use 24hr clock)

End Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ : \_\_\_\_\_ (please use 24hr clock)

**What was the duration of the event/deviation?:** \_\_\_\_\_ : \_\_\_\_\_ (hrs:min) or \_\_\_\_\_ days

(total # of hrs, min, or days, if intermittent then include only the duration of the actual emissions/deviation)

**Reason for Notification:** (please check only 1 box and go to the corresponding section)

Excess Emissions - Complete Section 1 and Certify.

Deviation from Permit Condition - Complete Section 2 and Certify

Deviations from COBC, CO, or Settlement Agreement - Complete Section 2 and Certify

**Section 1. Excess Emissions**

(a) Was the exceedance:  Intermittent or  Continuous

(b) Cause of Event (Check one that applies):

Start Up /Shut Down

Natural Cause (weather/earthquake/flood)

Control Equipment Failure

Scheduled Maintenance/Equipment Adjustment

Bad fuel/coal/gas

Upset Condition

Other \_\_\_\_\_

(c) Description

Describe briefly, what happened and the cause. Include the parameters/operating conditions exceeded, limits, monitoring data and exceedance.

(d) Emissions Units Involved:

Identify the emission unit involved in the event, using the same identification number and name as in the permit. Identify each emission standard potentially exceeded during the event and the exceedance.

Unit ID	Unit Name	Permit Condition Exceeded/Limit/Potential Exceedance

<sup>8</sup> Revised as of August 24, 2006.

(e) Type of Incident (Please Check only one).

- Opacity \_\_\_\_\_ %     
  Venting \_\_\_\_\_ (gas/scf)     
  Control Equipment Down  
 Fugitive Emissions     
  Emission Limit Exceeded     
  Flaring  
 Marine Vessel Opacity     
  Other: \_\_\_\_\_

(f) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?     Yes       No

Do you intend to assert the affirmative defense of 18 AAC 50.235?       Yes       No

Certify Report (go to end of form)

**Section 2 Permit Deviations**

(a) Permit Deviation Type (check one only box, corresponding with the section in the permit).

- Emission Unit Specific  
 Failure to monitor/report  
 General Source Test/Monitoring Requirements  
 Recordkeeping/Reporting/Compliance Certification  
 Standard Conditions Not Included in Permit  
 Generally Applicable Requirements  
 Reporting/Monitoring for Diesel Engines  
 Insignificant Emission Unit  
 Record Keeping Failure  
 Stationary Source Wide  
 Other Section \_\_\_\_\_ (title of section and section number of your permit).

(b) Emission Unit Involved.

EU ID	EU Name	Permit Condition / Potential Deviation

Identify the emission unit involved in the event, using the same identification number and name as in the permit. List the corresponding permit conditions and the deviation.

(c) Description of Potential Deviation:

Describe briefly what happened and the cause. Include the parameters/operating conditions and the potential deviation.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence.

**Certification:**

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone Number: \_\_\_\_\_

**NOTE:** *This document must be certified in accordance with 18 AAC 50.345(j)*

**To Submit this Report:**

Fax to: 907-451-2187;

Email to: [DEC.AQ.Airreports@alaska.gov](mailto:DEC.AQ.Airreports@alaska.gov) - *if emailed, the report must be certified within the Operating Report required for the same reporting period per Condition 54;*

Mail to: ADEC, Air Permits Program, 610 University Avenue, Fairbanks, AK 99709-3643;

Phone Notification: 907-451-5173 - *phone notifications require a written follow-up report within the deadline listed in Condition 53; OR*

Submission of information contained in this report can be made electronically at the following website:

<https://myalaska.state.ak.us/deca/air/airtoolsweb/>

*If submitted online, report must be submitted by an authorized E-Signer for the stationary source.*

**Alaska Department of Environmental Conservation  
Air Permits Program**

**Municipality of Anchorage  
Anchorage Regional Landfill**

**STATEMENT OF BASIS  
of the terms and conditions for  
Permit No. AQ0624TVP02**

**Reviewed by Elizabeth Kerin  
ADEC AQ/APP Fairbanks**

**Prepared by Weston Solutions**

**December 3, 2009**

Describe actions taken to correct the deviation or potential deviation and to prevent future recurrence.

**Certification:**

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone Number: \_\_\_\_\_

**NOTE:** *This document must be certified in accordance with 18 AAC 50.345(j)*

**To Submit this Report:**

Fax to: 907-451-2187;

Email to: [DEC.AQ.Airreports@alaska.gov](mailto:DEC.AQ.Airreports@alaska.gov) - *if emailed, the report must be certified within the Operating Report required for the same reporting period per Condition 54;*

Mail to: ADEC, Air Permits Program, 610 University Avenue, Fairbanks, AK 99709-3643;

Phone Notification: 907-451-5173 - *phone notifications require a written follow-up report within the deadline listed in Condition 53; OR*

Submission of information contained in this report can be made electronically at the following website:

<https://myalaska.state.ak.us/deca/air/airtoolsweb/>

*If submitted online, report must be submitted by an authorized E-Signer for the stationary source.*

**Alaska Department of Environmental Conservation  
Air Permits Program**

**Municipality of Anchorage  
Anchorage Regional Landfill**

**STATEMENT OF BASIS  
of the terms and conditions for  
Permit No. AQ0624TVP02**

**Reviewed by Elizabeth Kerin  
ADEC AQ/APP Fairbanks**

**Prepared by Weston Solutions**

**December 3, 2009**

## INTRODUCTION

This document sets forth the statement of basis for the terms and conditions of Operating Permit No. AQ0624TVP02.

## STATIONARY SOURCE IDENTIFICATION

Section 1 of Operating Permit No. AQ0624TVP02 contains information on the stationary source as provided in the Title V permit application. The stationary source is owned and operated by Municipality of Anchorage - Solid Waste Services, and Municipality of Anchorage is the Permittee for the stationary source's operating permit. The SIC code for this stationary source is 4953. The stationary source is a municipal solid waste landfill.

## EMISSION UNIT INVENTORY AND DESCRIPTION

Under 18 AAC 50.326(a), the Department requires operating permit applications to include identification of all emissions-related information, as described under 40 C.F.R. 71.5(c)(3). The emission units at the Anchorage Regional Landfill that are classified and that have specific monitoring, recordkeeping, and reporting requirements are listed in Table A of Operating Permit No. AQ0624TVP02.

Table A of Operating Permit No. AQ0624TVP02 contains information on the emission units regulated by this permit as provided in the application. Under 40 C.F.R. 60 Subpart WWW the Anchorage Regional Landfill was required to install a collection and control system when landfill gas generated was equal to or greater than 50 megagrams per year. The Anchorage Regional Landfill began operation of its collection system and landfill gas control flare on September 29, 2006. The table is provided for informational and identification purposes only. Specifically, the source rating/size provided in the table is not intended to create an enforceable limit.

## EMISSIONS

A summary of the potential to emit (PTE)<sup>1</sup> and assessable emissions as indicated in the application from the Anchorage Regional Landfill are shown in the Table B.

**Table B - Emissions Summary, in Tons Per Year (TPY)**

Pollutant	NO <sub>x</sub>	CO	PM-10	SO <sub>2</sub>	VOC	HAPs	Total
PTE	23.78	55.86	Non-fugitive 4.73 Fugitive 140.5	14.13	80.64	7.09	179.14
Assessable Emissions	23.78	55.86	0	14.13	80.64	Part of VOC	174.41

Notes: Fugitive PM-10 not included in total PTE. VOC emissions include: 58.17 tons NMOC and 22.47 tons VOC from landfill.

<sup>1</sup> PTE means the maximum capacity of a stationary source to emit a pollutant under its physical or operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable. Secondary emissions do not count in determining the potential to emit of a stationary source, as defined in AS 46.14.990(23), effective 12/3/05.

The assessable emissions listed under Condition 33.1 is the sum of the emissions of each individual regulated air pollutant for which the stationary source has the potential to emit quantities greater than 10 TPY. The emissions listed in Table B are estimates that are for informational use only. The listing of the emissions does not create an enforceable limit to the stationary source.

Potential emissions were determined using AP-42 emissions factors. The criteria pollutant values were updated with additional emissions from the landfill gas control flare. PTE values for VOC and HAPs resulting from landfill gas production were estimated using the HAPs list in AP-42 Section 2.4, the concentrations found in the "*Waste Industry Air Coalition Comparison of Recent Landfill Gas Analysis with Historic AP-42 Values*," and the maximum landfill gas flow of flare. The HAPs PTE is subset of VOC; therefore, it is not included in the PTE total and is not assessable.

The potential PM-10 emissions from the landfill include 4.73 tons from non-fugitive (or "point") sources and 140.5 tons from fugitive sources. Fugitive PM-10 emissions from the landfill include dust produced by refuse covering operations, earth moving operations and vehicle travel throughout the facility. Potential fugitive PM-10 emissions are not included in the total PTE or total assessable PTE calculations for the landfill in order to maintain consistency with Departmental policy. During the development of Title V operating permits for other stationary sources, the Department decided not to include fugitive emissions estimates as part of the total PTE or total assessable PTE. Fugitive PM-10 estimates are typically lower than the 10 ton per year threshold for which fees are assessed, therefore they were excluded to relieve the Permittee of the burden of making the fugitive PM-10 PTE calculations. Although the landfill potential and actual fugitive PM-10 emissions are significant, they are treated according to the Department's previously determined policy.

#### **BASIS FOR REQUIRING AN OPERATING PERMIT**

In accordance with AS 46.14.130(b), Permittee of a Title V source<sup>2</sup> must obtain a Title V permit consistent with 40 C.F.R. Part 71, as adopted by reference in 18 AAC 50.040. Except for sources exempted or deferred by AS 46.14.120(e) or (f), AS 46.14.130(b) lists three categories of sources that require an operating permit:

- (1) A major source;
- (2) A stationary source subject to federal new source performance standards or national emission standards;
- (3) Another stationary source designated by the federal administrator by regulation.

This stationary source is further classified under 18 AAC 50.326(a) and 40 C.F.R. 71.3(a) as

- a) Defined in part D of title I of the Act source, a major stationary source located in an ozone nonattainment areas and transport regions, carbon monoxide maintenance area, and particulate matter (PM-10) nonattainment areas.

---

<sup>2</sup> "Title V source" means a stationary source classified as needing a permit under AS 14.130(b) [ref. 18 AAC 50.990(111)].

- b) Contains a source, including an area source, subject to a standard, limitation or other requirement under Section 111 of the Act (Standards of performance for new stationary source, NSPS) not exempted or deferred under AS 46.14.120(e) or (f).
- c) Contains a source, including an area source, subject to a standard or other requirement under Section 112 of the Act (National Emission Standards for Hazardous Air Pollutants, NESHAP) not exempted or deferred under AS 46.14.130(e) or (f).

## **AIR QUALITY PERMITS**

### **Previous Air Quality Permit to Operate.**

No previous air quality control permit-to-operate exists for this stationary source.

### **Title I (Construction and Minor) Permits.**

No construction permits have been issued for this stationary source after January 18, 1997 (the effective date of the new divided operating and construction-permitting program).

### **Title V Operating Permit Application, Revisions and Renewal History.**

The Permittee submitted an application for these activities on April 5, 2001  
Additional information was received on September 13, 2001.

Title V Operating Permit No. AQ0624TVP01 was issued on August 2, 2002 with an expiration date of September 1, 2007. The permit was revised September 18, 2003 to incorporate changes to Permittee contact information, the installation of passive solar vent flares and to add an owner requested limit to avoid becoming a major HAPs facility.

The Department issued a Significant Permit Revision 1 of Permit No. AQ0624TVP01 on January 9, 2004.

The Permittee submitted Off-Permit change June 20, 2006, for the installation of the landfill gas collection system and control flare.

The Permittee submitted a permit renewal application on March 1, 2007.

The Permittee submitted a Landfill Gas Collection and Control System (GCCS) Design Plan Addendum on March 12, 2007.

As designed and installed, the landfill gas control equipment's specific purpose is for the control of non methane organic compounds and hazardous air pollutants. 40 C.F.R. 64.2 exempts from CAM applicability, a source subject to a federal requirement proposed after November 15, 1990 pursuant to sections 111 and 112 of the Act. The new source performance standard, Subpart WWW, was first proposed in the Federal Register on May 30, 1991 (56FR24468). The proposal date of the maximum achievable control technology standard, Subpart AAAA, was first proposed in the Federal Register on November 7, 2000 (65FR66672). Therefore, a CAM demonstration is not needed for the control of non-methane organic compounds and hazardous air pollutants.

The stationary source does not store regulated substances above threshold levels, therefore it is not subject to 40 C.F.R. Part 68 "Prevention of Accidental Releases" – Section 112(r) of the Clean Air Act.

### COMPLIANCE HISTORY

The stationary source has operated at its current location since October 30, 1987. Review of the permit files for this stationary source, which includes the past inspection reports indicate a stationary source that is currently operating in compliance with its operating permit.

### STATEMENT OF BASIS FOR THE PERMIT CONDITIONS

The state and federal regulations for each condition are cited in Operating Permit No. AQ0624TVP02. **The Statement of Basis provides the legal and factual basis for each term and condition as set forth in 40 C.F.R. 71.6(a)(1)(i).**

#### Condition 1 Dust Control Plan

**Legal Basis:** Dust control requirements apply to the stationary source because the Permittee will engage in bulk material handling, transporting, and storing activities at the stationary source that create a large quantity of dust emissions. Actual fugitive dust emissions were determined to be 140.5 tons annually. This condition provides control measures that may reduce fugitive dust that reaches ambient air.

**Factual Basis:** The underlying regulation, 18 AAC 50.045(d), requires the Permittee to take reasonable action to prevent particulate matter (PM) from being emitted into the ambient air.

Not all facilities have the potential to generate fugitive dust during the life of the permit. The Department will determine whether precautions are reasonable based on a variety of factors, including the distance to the facility boundaries, nature and content of the dust, proximity to neighbors, and the nature of the activity. This condition applies to the types of sources or activities that are likely to generate fugitive dust as identified above. It allows the precautions that are identified under the permit to be appropriate and specific to the activities conducted by the Permittee.

#### Condition 2 ORL for landfill to avoid classification as "HAPs major facility"

**Legal Basis:** Implementation of this limit will ensure that the facility's potential to emit any single Hazardous Air Pollutant (HAP) will remain below 10 tpy or 25 tpy in the aggregate of two or more HAPs.

**Factual Basis:** In the original application and in accordance with EPA guidance, the emission rates for landfill gas production were modeled to determine the peak year of production. The peak year was determined to be 2043. The model results provided emission rates for methane and non-methane organic compounds. Using AP-42 emission factors, the PTE for HAPs were calculated using the 2043 LFG production rates. The permit AQ0624TVP01 was revised Jan 5, 2004 to incorporate the installation of passive solar vent flares and to add an owner requested limit to avoid becoming a major HAPs facility. The small HAPs emission increase resulting from the passive vent flares added to the HAPs emissions based on 2043 projections was sufficient to make the landfill a major facility for HAPs. To avoid this change in status and base compliance on a more current

assessment at that time, the Department agreed to an ORL that limits HAPs emissions to below threshold levels. Monitoring, recordkeeping and report requirements will ensure compliance based on current annual emission estimates. Since HAPs emission estimates are known for the projected life of the landfill based upon current growth estimates, and are not expected to approach or exceed the Permittee's requested limit in Condition 2, the Department did not adopt more frequent monitoring, recordkeeping or reporting than the annual report required. The condition was revised to allow for the use of more recent emission factors developed through site-specific performance testing in lieu of AP-42 generic emissions factors.

### Conditions 3 - 6, Insignificant Emission Units

**Legal Basis:** The Permittee is required to meet state emission standards set out in 18 AAC 50.055 for all industrial processes fuel-burning equipment, and incinerators regardless of size.

**Factual Basis:** The conditions reiterate the emission standards and require compliance for insignificant emission units. The Permittee may not cause or allow their equipment to violate these standards. Insignificant emission units are not listed in the permit unless specific monitoring, recordkeeping and reporting are necessary to ensure compliance.

### Conditions 7 – 13, NSPS Subpart A Requirements

**Legal Basis** The Permittee must comply with those New Source Performance Standard (NSPS) provisions incorporated by reference the NSPS effective July 1, 2007, for specific industrial activities, as listed in 18 AAC 50.040.

Most (with the exception of some storage tanks) affected facilities subject to an NSPS are subject to Subpart A. At this stationary source, EU IDs 1 and 4 are subject to NSPS Subpart WWS and therefore subject to Subpart A.

Conditions 7.1 through 7.3 - The Permittee has already complied with the notification requirements in 40 C.F.R. 60.7 (a)(1) - (4) for EU IDs 1 and 4. However, the Permittee is still subject to these requirements in the event of a new NSPS affected facility or in the event of a modification or reconstruction of an existing facility into an affected facility.

Conditions 7.4 through 7.6 - The requirements to notify the EPA and the Department of the date of a continuous monitoring system performance demonstration, no less than 30 days before demonstration commences (40 C.F.R. 60.7(a)(5) – (7)) are applicable to EU IDs 1 and 4, only if a CMS is installed as an NSPS requirement

Condition 7.7 - The requirements to notify the EPA and the Department of any proposed replacement of an affected facility (40 C.F.R. 60.15) applies to EU IDs 1 and 4 in the event of a proposed replacement of these affected facilities.

Condition 8 - Start-up, shutdown, or malfunction record maintenance requirements in 40 C.F.R. 60.7(b) are applicable to all NSPS affected facilities subject to Subpart A.

Conditions 9 and 10 - NSPS excess emission reporting requirements and summary report form in 40 C.F.R. 60.7(c) & (d) are applicable to EU IDs 1 and 4 because surface methane concentrations are monitored quarterly.

Recordkeeping requirements in 40 C.F.R. 60.7(f) are applicable to all NSPS affected facilities. (Satisfied by Condition 49)

Condition 11 - Good air pollution control practices in 40 C.F.R. 60.11 are applicable to all NSPS affected facilities subject to Subpart A EU IDs 1 and 4. Condition 12 - states that any credible evidence may be used to demonstrate compliance or establishing violations of relevant NSPS standards for EU IDs 1 and 4. Condition 13 - Concealment of emissions prohibitions in 40 C.F. R. 60.12 are applicable to EU IDs 1 and 4.

**Factual Basis:** Subpart A contains the general requirements applicable to all affected facilities (sources) subject to NSPS. In general, the intent of NSPS is to provide technology-based emission control standards for new, modified and reconstructed affected facilities.

#### **Conditions 14 - 19, Municipal Solid Waste Landfill Requirements**

**Legal Basis:** The provisions of this subpart apply to each municipal solid waste (MSW) landfill that commenced construction, reconstruction or modification after May 30, 1991. The installation of the collection and control system is considered a modification or reconstruction and would subject the landfill as an affected facility to the requirements of 40 C.F.R. 60 Subpart WWW. State and Federal regulations 18 AAC 50.052 and 40 C.F.R. 62 Subpart GGG apply to the Permittee of a MSW landfill with a design capacity greater than or equal to 2.5 million megagrams and 2.5 million cubic meters on the effective date of EPA approval of the State's program under section 111(d) of the Act. The requirements listed in the permit paraphrase NSPS Subpart WWW. Whenever there is a discrepancy or inconsistency between the permit and the rule, the rule language shall take precedent.

**Factual Basis:** The facility was required to implement a collection and control system in 2004. The system became operational September 2006.

Condition 14 provides operational standards for the collection and control system.

Condition 15 outlines the measures to be taken when the collection and control system operational standards are exceeded.

Condition 16 describes the requirements for monitoring and recording operational parameters of the system to ensure compliance with NSPS WWW requirements.

Condition 17 describes the records of the control system design parameters that must be kept by the Permittee.

Condition 18 outlines the required reporting procedures for exceedences.

Condition 19 describes reporting requirements.

#### **Conditions 20 - 24, NESHAPS Subpart A Requirements**

**Legal Basis:** Source ID 2 is subject to 40 C.F.R. 61, NESHAP Subparts A and M. Subpart A contains the general requirements applicable to all affected facilities (sources) subject to NESHAP. In general, the intent of NESHAP is to regulate specific categories of stationary sources that emit, or have the potential to emit, one or more hazardous air pollutants. The Department has incorporated by reference the NESHAP effective July 25, 2008, for specific industrial activities, as listed in 18 AAC 50.040.

**Factual Basis:** Condition 20 prohibits the Permittee from construction or modification without approval, operation in violation with federal standards, failing to comply with federal standards after 90 days of standard effective date, and failing to submit report information required by any standard. Condition 21 requires the Permittee to report information on

sources, requires the Permittee to request a waiver for operation outside of compliance with applicable federal standards, and requires the reporting of any change in the original information reported as required in applicable federal standards. Condition 22 requires the Permittee to comply with federal standards and maintenance requirements. Condition 23 requires the Permittee to determine if operation of a source constitutes a modification and hence requires the Permittee to comply with appropriate federal standards. Condition 24 prohibits the Permittee from concealing of emissions from any source regulated by a federal standard.

#### **Conditions 25 - 26, NESHAPs Subpart M –Asbestos**

**Legal Basis:** Each Permittee of an active waste disposal site that receives asbestos-containing waste material from asbestos mills or manufacturing, fabricating, and removal. Any new source which has an initial startup date preceding the effective date of this revision, shall provide the information in these conditions to the Department postmarked or delivered within 90 days of the effective date. In the case of a new source that does not have an initial startup date preceding the effective date, the information shall be provided, postmarked or delivered, within 90 days of the initial startup date.

**Factual Basis:** Condition 25 outlines procedures that are required for the safe disposal of asbestos at active landfill sites. If visible emissions are possible from the asbestos disposal site, the site must be covered with compacted non-asbestos containing material or be covered in a dust suppression agent at the end of each operating day. Furthermore, for all asbestos disposal sites, a barrier and adequate warning signs must be installed and maintained according to federal standards. Alternative emission control and waste treatment methods may be used if approved by the Department. All asbestos containing waste received and disposed of at the facility, must be recorded adequately and maintained at the facility. If excavating or disturbing asbestos-containing waste, the Department must be notified and procedures must be used to control emissions. Condition 26 requires the Permittee to report information on Active and Inactive waste disposal sites.

#### **Conditions 27 - 28 NESHAPs Subpart AAAA – Municipal Solid Waste Landfills**

**Legal Basis:** 40 C.F.R. 63 Subpart AAAA requires affected sources to follow the requirements of 40 C.F.R. Subpart WWW for MSW Landfills and to meet the startup, shutdown, and malfunction (SSM) requirements of this subpart.

**Factual Basis:** Condition 27 requires that the Permittee comply with Conditions 14 - 19 that meet the requirements of 40 C.F.R. 60 Subpart WWW. To meet the semi-annual reporting requirement, Condition 19 requires semi-annual reporting of the annual report described in 40 C.F.R. 60.757(f). Condition 28 requires that the Permittee maintain the SSM on-site as required by 40 C.F.R. 63.1960.

#### **Conditions 29 - 31, Standard Terms and Conditions**

**Legal Basis:** These are standard conditions required under 18 AAC 50.345(a) and (e)-(g) for all operating permits. This provision is incorporated in the federally approved Alaska operating permit program of November 30, 2001, as updated effective November 9, 2008.

**Factual Basis:** These are standard conditions that apply to all permits.

---

### Conditions 32, Administration Fees

**Legal basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.400-405 as derived from AS 46.14.130. This condition requires the Permittee, owner, or operator to pay administration fees as set out in regulation. Paying administration fees is required as part of obtaining and holding a permit with the Department or as a fee for a Department action.

**Factual Basis:** The Permittee of a stationary source who is required to apply for a permit under AS 46.14.130 shall pay to the Department all assessed permit administration fees. The regulations in 18 AAC 50.400-405 specify the amount, payment period, and the frequency of fees applicable to a permit action.

### Conditions 33 - 34, Emission Fees

**Legal Basis:** These conditions ensure compliance with the applicable requirement in 18 AAC 50.410-420. The regulations require all permits to include due dates for the payment of fees and any method the Permittee may use to re-compute assessable emissions.

**Factual Basis:** These emission fee conditions are standard condition I under 18 AAC 50.346(b) adopted pursuant to AS 46.14.010(d). The Department determined that these standard conditions adequately meet the requirements of AS 46.14.250. No emission unit or stationary source operational or compliance factors indicate that unit-specific or stationary-source specific conditions would better meet these requirements. Therefore, the Department concluded that the standard conditions meet the requirements of AS 46.14.250.

The Department modified the standard condition to correct Condition 34.2 such that it referenced "submitted" (i.e. postmarked) rather than "received" in accordance with the timeframe of Condition 34.1.

These standard conditions require the Permittee to pay fees in accordance with the Department's billing regulations. The billing regulations set the due dates for payment of fees based on the billing date.

The default assessable emissions are generally potential emissions of each air pollutant in excess of 10 tons per year authorized by the permit (AS 46.14.250(h)(1)(A)).

The conditions allow the Permittee to calculate **actual** annual assessable emissions based on previous actual annual emissions. According to AS 46.14.250(h)(1)(B), assessable emissions are based on each air pollutant. Therefore, fees based on actual emissions shall be paid on any pollutant emitted whether or not the permit contains any limitation of that pollutant.

This standard condition specifies that, unless otherwise approved by the Department, calculations of assessable emission based on actual emissions use the most recent previous calendar year's emissions. Since each current year's assessable emission are based on the previous year, the Department will not give refunds or make additional billings at the end of the current year if the estimated emissions and current year actual emissions do not match.

The Department modified the standard condition to correct Condition 34.2 such that it referenced "submitted" (i.e., postmarked) rather than "received" in accordance with the timeframe of Condition 34.1.

---

### Condition 35, Dilution

**Legal Basis:** This condition prohibits the Permittee from using dilution as an emission control strategy as set out in 18 AAC 50.045(a). This state regulation applies to the Permittee because the Permittee is subject to emission standards in 18 AAC 50.

**Factual Basis:** The condition prohibits the Permittee from diluting emissions as a means of compliance with any standard in 18 AAC 50.

### Condition 36, Air Pollution Prohibited

**Legal Basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.110. The condition prohibits the Permittee from causing any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property. Air Pollution Prohibited requirements apply to the stationary source because the stationary source will have emissions.

**Factual Basis:** While the other permit conditions and emissions limitation should ensure compliance with this condition, unforeseen emission impacts can cause violations of this standard. These violations would go undetected except for complaints from affected persons. Therefore, to monitor compliance, the Permittee must monitor and respond to complaints.

ADEC adopted this standard condition into 18 AAC 50.346(a) pursuant to AS 46.14.010(d). The Department determined that this condition adequately meet the requirements of 40 C.F.R. 71.6(a)(3). No emission unit or stationary source operational or compliance factors indicate that unit-specific or stationary-source specific conditions would better meet these requirements. Therefore, the Department concluded that the standard condition meets the requirements of 40 C.F.R. 71.6(a)(3).

The Permittee is required to report any complaints and injurious emissions. The Permittee must keep records of the date, time, and nature of all complaints received and summary of the investigation and corrective actions undertaken for these complaints, and to submit copies of these records upon request of the Department.

### Condition 37, Technology-Based Emission Standard

**Legal Basis:** The Permittee is required to take reasonable steps to minimize emissions if certain activity causes an exceedance of any technology-based emission standard in this permit. This condition ensures compliance with the applicable requirement in 18 AAC 50.235. Technology Based Emission Standard requirements apply to the stationary source because the source is subject to NSPS 40 C.F.R. 60.750, Subpart WWW, Standards of Performance Municipal Solid Waste Landfill and NESHAP 40 C.F.R. 61.140, Subpart M, National Emission Standard for Asbestos.

**Factual Basis:** The conditions of this permit list applicable technology-based emission standards and require excess emission reporting for each standard in accordance with Condition 53. Excess emission reporting under Condition 53 requires information on the steps taken to minimize emissions. Monitoring of compliance for this condition consists of the report required under Condition 53.

---

### Condition 38, Asbestos NESHAP

**Legal Basis:** The condition requires the Permittee to comply with asbestos demolition or renovation requirements in 40 C.F.R. 61, Subpart M. This condition ensures compliance with the applicable requirement in 18 AAC 50.040(b)(1) and (2)(F). The asbestos demolition and renovation requirements apply if the Permittee engages in asbestos demolition or renovation.

**Factual Basis:** Because these regulations include adequate monitoring and reporting requirements and because the Permittee is not currently engaged in such activity, simply citing the regulatory requirements is sufficient to ensure compliance with these federal regulations.

### Condition 39, Refrigerant Recycling and Disposal

**Legal Basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.040(d) and applies if the Permittee engages in the recycling or disposal of certain refrigerants. The condition requires the Permittee to comply with the standards for recycling and emission reduction of refrigerants set forth in 40 C.F.R. 82, Subpart F, that will apply if the Permittee uses certain refrigerants.

**Factual Basis:** Because these regulations include adequate monitoring and reporting requirements and because the Permittee is not currently engaged in such activity, simply citing the regulatory requirements is sufficient to ensure compliance with this federal regulation.

### Condition 40, Open Burning

**Legal Basis:** The condition requires the Permittee to comply with the regulatory requirements when conducting open burning at the stationary source. This condition ensures compliance with the applicable requirement in 18 AAC 50.065. The open burning state regulation in 18 AAC 50.065 applies to the Permittee if the Permittee conducts open burning at the stationary source.

**Factual Basis:** No specific monitoring is required for this condition. Condition 40 requires the Permittee to keep "sufficient records" to demonstrate compliance with the standards for conducting open burning, but does not specify what these records should contain.

More extensive monitoring and recordkeeping is not warranted because the Permittee does not conduct open burning as a routine part of their business. Also, most of the requirements are prohibitions, which are not easily monitored. Additional monitoring is achieved through Condition 36, which requires a record of complaints.

### Condition 41, Requested Source Tests

**Legal Basis:** The Permittee is required to conduct source tests as requested by the Department. The Department adopted this condition under 18 AAC 50.345(k) as part of its operating permit program approved by EPA November 30, 2001.

**Factual Basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.220(a) and applies because this is a standard condition to be included in all operating permits. Monitoring consists of conducting the requested source test.

---

### **Conditions 42 - 44, Operating Conditions, Reference Test Methods, Excess Air Requirements**

**Legal Basis:** These conditions ensure compliance with the applicable requirement in 18 AAC 50.220(b) and apply because the Permittee is required to conduct source tests by this permit. The Permittee is required to conduct source test as set out in Conditions 42 through 44.

**Factual Basis:** The Permittee is required to conduct source test as set out in Conditions 42 through 44. These conditions supplement the specific monitoring requirements stated elsewhere in this permit. Compliance monitoring with Conditions 42 through 44 consist of the test reports required by Condition 48.

### **Conditions 45 - 48, Test Deadline Extension, Test Plans, Notifications and Reports**

**Legal Basis:** These conditions ensure compliance with the applicable requirement in 18 AAC 50.345(l)-(o) and apply because the Permittee is required to conduct source test by this permit.

**Factual Basis:** Standard conditions 18 AAC 50.345(l) - (o) are incorporated through these conditions. These standard conditions supplement specific monitoring requirements stated elsewhere in this permit. The source test itself monitors compliance with this condition.

### **Condition 49, Recordkeeping Requirements**

**Legal Basis:** Applies because the Permittee is required by the permit to keep records.

**Factual Basis:** The condition restates the regulatory requirements for recordkeeping, and supplements the recordkeeping defined for specific conditions in the permit. The records being kept provide an evidence of compliance with this requirement.

### **Condition 50, Certification**

**Legal Basis:** This condition requires the Permittee to comply with the certification requirement in 18 AAC 50.205 and applies to all Permittees under EPA's approved operating permit program of November 30, 2001.

**Factual Basis:** This standard condition is required in all operating permits under 18 AAC 50.345(j).

This condition requires the Permittee to certify any permit application, report, affirmation, or compliance certification submitted to the Department. To ease the certification burden on the Permittee, the condition allows the excess emission reports to be **certified** with the stationary source report, even though it must still be **submitted** more frequently than the stationary source operating report. This condition supplements the reporting requirements of this permit.

### **Condition 51, Submittals**

**Legal Basis:** This condition requires the permittee to comply with standardized reporting requirement in 18 AAC 50.326(j) and applies because the Permittee is required to send reports to the Department.

**Factual Basis:** This condition lists the Department's appropriate address for reports and written notices. Receipt of the submittal at the correct Department office is sufficient

monitoring for this condition. This condition supplements the standard reporting and notification requirements of this permit.

#### **Condition 52, Information Requests**

**Legal Basis:** This condition requires the Permittee to submit requested information to the Department. This is a standard condition from 18 AAC 50.345(i) of the state approved operating permit program effective November 30, 2001.

**Factual Basis:** This condition requires the Permittee to submit information requested by the Department. Monitoring consists of receipt of the requested information.

#### **Condition 53, Excess Emission and Permit Deviation Reports**

**Legal Basis:** This condition requires the Permittee to comply with the applicable requirement in 18 AAC 50.235(a)(2) and 18 AAC 50.240. Also, the Permittee is required to notify the Department when emissions or operations deviate from the requirements of the permit.

**Factual Basis:** This condition satisfies two state regulations related to excess emissions - the technology-based emission standard regulation and the excess emission regulation. Although there are some differences between the regulations, the condition satisfies the requirements of each regulation.

The Department adopted this condition as Standard Operating Permit Condition III under 18 AAC 50.346(c) pursuant to AS 46.14.010(d). The Department determined that this standard condition adequately meet the requirements of 40 C.F.R. 71.6(a)(3). No emission unit or stationary source operational or compliance factors indicate that unit-specific or stationary-source specific conditions would better meet these requirements. Therefore, the Department concluded that the standard conditions meet the requirements of 40 C.F.R. 71.6(a)(3). The Department made a correction to the Standard Operating Permit Condition III to allow identical reporting methodology for both Excess Emissions and Permit Deviations reports which use identical forms and should have identical submission methods.

##### *Section 11, Notification Form*

The Department modified the notification form contained in Standard Permit Condition IV in a revised rulemaking dated August 20, 2008 to more adequately meet the requirements of Chapter 50, Air Quality Control. The modification consisted of correcting typos and moving failure to monitor/report and recordkeeping to the permit deviations Section 2.

#### **Condition 54, Operating Reports**

**Legal Basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.346(b)(6) and applies to all permits.

**Factual Basis:** The condition restates the requirements for reports listed in regulation. The condition supplements the specific reporting requirements elsewhere in the permit. The reports themselves provide monitoring for compliance with this condition.

The Department used the Standard Permit Condition VII as adopted into regulation on August 20, 2008. For reporting, MR&R conditions are Standard Permit Condition VII adopted into regulation pursuant to AS 46.14.010(d). The Department determined that these standard conditions adequately meet the requirements of 40 C.F.R. 71.6(a)(3)(iii)(A). No

emission unit or stationary source operational or compliance factors indicate that unit-specific or stationary-source specific conditions would better meet these requirements. Therefore, the Department concluded that the standard conditions meet the requirements of 40 C.F.R. 71.6(a)(3).

### **Condition 55, Annual Compliance Certification**

**Legal Basis:** This condition ensures compliance with the applicable requirement in 18 AAC 50.040(j)(4) and applies to all Permittees.

**Factual Basis:** This condition specifies the periodic compliance certification requirements, and specifies a due date for the annual compliance certification. Each annual certification provides monitoring records for compliance with this condition.

Condition 55.2 provides clarification of transition periods between an expiring permit and a renewal permit to ensure that the Permittee certifies compliance with the permit terms and conditions of the permit that was in effect during those partial date periods involved in the transition. No format is specified: the Permittee may provide one report certifying compliance with each permit term or condition and the effective permit at that time, or may chose to provide two reports – one certifying compliance with permit terms and conditions from January 1 until the date of expiration of the old permit, and a second report certifying compliance with terms and conditions in effect from the effective date of the renewal permit until December 31.

The Permittee may submit one of the required copies electronically at their discretion. This change more adequately meets the requirements of 18 AAC 50 and agency needs, as the Department can more efficiently distribute the electronic copy to staff in other locations.

### **Condition 56, NSPS and NESHAP Reports**

**Legal Basis:** The Permittee is required to provide the federal administrator and Department a copy of each emission unit report for units subject to NSPS or NESHAP federal regulations under 18 AAC 50.326(j)(4). 40 C.F.R. 70 Appendix A documents that EPA fully approved the Alaska operating permit program effective November 30, 2001.

**Factual Basis:** The condition supplements the specific reporting requirements in 40 C.F.R. 60, 40 C.F.R. 61, and 40 C.F.R. 63. The reports themselves provide monitoring for compliance with this condition.

### **Conditions 57, Permit Applications and Submittals**

**Legal Basis:** The Permittee may need to submit permit applications and related correspondence.

**Factual Basis:** Standard Condition XIV directs the applicant to send copies of all application materials required to be submitted to the Department directly to the EPA, in electronic format if practicable. This condition shifts the burden of compliance from the Department to ensure that copies of application materials are submitted to EPA by transferring that responsibility to the Permittee.

### **Conditions 58 - 60, Permit changes and revisions requirements**

**Legal Basis:** The Permittee is obligated to notify the Department of certain off-permit source changes and operational changes under 18 AAC 50.326(j)(4). 40 C.F.R. 71.6(a)(10),

(12), and (13) incorporated by reference under 18 AAC 50.040(j) require these provisions within this permit. 40 C.F.R. 70 Appendix A documents that EPA fully approved the Alaska operating permit program effective November 30, 2001.

**Factual Basis:** These are conditions required in 40 C.F.R. 71.6 for all operating permits to allow changes within a permitted stationary source without requiring a permit revision.

The Permittee did not request trading of emission increases and decreases as described in 71.6(a)(13)(iii).

### **Condition 61, Permit Renewal**

**Legal Basis:** The Permittee must submit a timely and complete operating permit renewal application if the Permittee intends to continue source operations in accord with the operating permit program under 18 AAC 50.326(j)(3). The obligations for a timely and complete operating permit application are set out in 40 C.F.R. 71.5 incorporated by reference in 18 AAC 50.040(j)(3). 40 C.F.R. 70 Appendix A documents that EPA fully approved the Alaska operating permit program effective November 30, 2001.

**Factual Basis:** In accordance with AS 46.14.230(a), this operating permit is issued for a fixed term of five years after the date of issuance, unless a shorter term is requested by the permit applicant. The Permittee is required to submit an application for permit renewal by the specific dates applicable to Anchorage Regional Landfill as listed in this condition. As stated in 40 C.F.R. 71.5(a)(1)(iii), submission for a permit renewal application is considered timely if it is submitted at least six months but no more than eighteen months prior to expiration of the operating permit. According to 71.5(a)(2), a complete renewal application is one that provides all information required pursuant to 40 C.F.R. 71.5(c) and must remit payment of fees owed under the fee schedule established pursuant to 18 AAC 50.400. 40 C.F.R. 71.7(b) states that if a source submits a timely and complete application for permit issuance (including renewal), the source's failure to have a permit is not a violation until the permitting authority takes final action on the permit application.

Therefore, for as long as an application has been submitted within the timeframe allowed under 40 C.F.R. 71.5(a)(1)(iii), and is complete before the expiration date of the existing permit, then the expiration of the existing permit is extended and the Permittee has the right to operate under that permit until the effective date of the new permit. However, this protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit by the deadline specified in writing by the Department any additional information needed to process the application. Monitoring, recordkeeping, and reporting for this condition consist of the application submittal.

### **Condition 62 - 63 , Permit Applications**

**Legal Basis:** These conditions set out the protocol the Permittee must follow to submit amendment, modification and renewal applications to the Department under 18 AAC 50.326(j)(3) and to the Federal Administrator under 40 C.F.R. 71.5, 71.7 and 71.10.

**Factual Basis:** These conditions direct the Permittee to submit application materials to the Department's Anchorage office. The current address at time of permit issuance is provided in a footnote because it may change during the life of this permit. The current address can be obtained by contacting the Department, checking the website, or by other reasonable means. The Permittee may submit copies of application materials in electronic formats compatible

---

with ADEC software as the Department can more efficiently distribute the electronic copy to staff in other locations. Condition 63 directs the applicant to send copies of all application materials directly to the EPA, in electronic format if practicable.

**Conditions 64 - 68, General Compliance Requirements and Schedule**

**Legal Basis:** These conditions ensure compliance with the applicable requirement in 18 AAC 50.326(j)(3). The Permittee is required to comply with these standard conditions set out in 18 AAC 50.345 included in all operating permits. 40 C.F.R. 70 Appendix A documents that EPA fully approved the Alaska operating permit program effective November 30, 2001.

**Factual Basis:** These are standard conditions for compliance required for all operating permits.



**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**AIR QUALITY OPERATING PERMIT**

**RESPONSE TO COMMENTS**

**Owner Name: Municipality of Anchorage**

**Public Comment Closing Date: September 7, 2009**

**Source Name: Anchorage Regional Landfill**

**Application No.: AQ0624TVP02**

**Permit No. AQ0624TVP02**

The public comment period for Municipality of Anchorage, Anchorage Regional Landfill operating permit, closed on September 7, 2009. Comments were only received from Municipality of Anchorage, and appear exactly as submitted by the applicant. This paper provides ADEC's responses to the comments.

- 
1. **Comment.** The permittee's responsible official should be updated to Mark Madden, Director Solid Waste Services as Robert L. Hall is no longer in this position. Mr. Madden will continue to be the fee contact but his title has changed as noted, and will be the Permit Contact in place of Steven Cooper.

*Response from ADEC: The permit has been revised as requested.*

- 
2. **Comment.** The stationary source and building contact should be updated to **Shane Christiansen** and e-mail contact to *ChristiansenSB@Muni.org* as Steve Cooper is no longer in this position.

*Response from ADEC: The permit has been revised as requested.*

- 
3. **Condition 1 – Dust Control Plan (EU ID 3):** The last sentence of Condition 1.1 should read, "The street sweeper shall also be used at other times of the year, as needed, when dirt is tracked onto the paved road surfaces from unpaved areas."

*Response from ADEC: The condition has been revised to "as needed to prevent fugitive dust created."*

- 
4. **Condition 1 – Dust Control Plan (EU ID 3):** Conditions 1.4, 1.5(a), and 1.5(b) require daily visual determinations of dust levels in the stationary sources. We request these be changed to weekly visual determinations based on our historical compliance. We also request that this provision be applied seasonally with the months November through March exempt from this requirement. At this time roads are snow covered and ice bound. Particulate emissions associated mining and application of cover are also extremely limited due to the frozen nature of the materials.

*Response from ADEC: This condition has been revised as requested.*

- 
5. **Condition 2 – Owner Requested Limit (ORL) to Avoid Classification as a Major Facility for Hazardous Air Pollutants (HAPs) (EU IDs 1 and 4).** Condition 2.1 should read, "**Monitoring: The Permittee shall perform calculations to determine total HAPs emissions from Source ID(s) 1 and 4 for the annual period from July 1 through June 30 using the current year's emission estimates for landfill gas production, AP-42 emission factors, alternative emission factors approved by the Department, or source test data and the maximum landfill gas flow rate of the flare. Calculate the emission estimates in accordance with the most recent EPA methods and guidance.**" This will allow site-specific or more applicable factor instead of regulatory defaults

*Response from ADEC: The condition has been revised as requested. The Statement of Basis has been edited to incorporate the rationale for this change in Condition 2.*

- 
6. **Condition 2 – Owner Requested Limit (ORL) to Avoid Classification as a Major Facility for Hazardous Air Pollutants (HAPs) (EU IDs 1 and 4).** Condition 2.3 states the

Permittee shall submit the calculated HAPs emissions with each Facility Operating Report, which are semi-annually. This statement contradicts Condition 2.1 where it states, "*The Permittee shall perform calculations to determine total HAPs emissions from Source ID(s) 1 and 4 for the annual period from July 1 through June 30.*" We are requesting to maintain annual HAPs emissions submittals with the 2<sup>nd</sup> half Facility Operating Reports as has been done historically.

*Response from ADEC: The requested text has been changed to include the emissions submittals with the 2<sup>nd</sup> half semi-annual operating report.*

---

7. **Section 4. Federal Requirements.** We don't see a need for full detail on NSPS general provisions as many provisions are not applicable to a landfill. We request either a single reference to all applicable sections of NSPS general provisions or revisions to this section of the permit to list only those items specifically applicable to landfills be listed.

*Response from ADEC: This request is not incorporated into this permit. Conditions 7 - 13 are specific applicable portions of Subpart A for those affected facilities subject to a Federal NSPS standard, therefore they have been kept in the permit. Subpart A is applicable to all sources with NSPS-affected facilities regardless of if initial reporting requirements have been accomplished. On May 20, 1999 EPA responded to a letter from STAPPA/ALAPCO from Mr. Robert Hodanbosi and Mr. Charles Lagges of December 11, 1998 regarding Title V permitting issues. In their response B-4 "Level of Detail Needed to Incorporate MACT Standards into Permits", EPA responded that "the permit needs to cite to whatever level of detail is necessary to identify the applicable requirements that apply to each emissions unit or group of emissions units .... and to identify how those units will comply with the requirements." (edited for brevity). EPA went on to remark that they could not agree that a reference to the Subpart level was acceptable for a permit. For this reason ADEC includes the general provisions of the top level subpart, with a paragraph-level citation to the individual regulation or standard. ADEC acknowledges that some provisions of NSPS Subpart A may have previously been satisfied, however they remain as applicable standards that apply to the stationary source, and thus have been included in the permit.*

---

8. **Condition 7 - NSPS Subpart A Notification.** Condition 7.4 should read, "*the date of a continuous monitoring system performance demonstration, if required, postmarked not less than 30 days prior to such date;*"

*Response from ADEC: This condition has been revised as requested.*

---

9. **Comment 9.** We request the following statement be added before Condition 14. "The requirements listed herein derived from NSPS Subpart WWW have been paraphrased for brevity. Whenever there is a discrepancy or inconsistency between the permit and the rule, the rule language *shall take precedent.*"

---

*Response from ADEC: All Federal rules are incorporated by reference in Title V permits for brevity since many individual portions are not specifically applicable. The citation will cite the actual rule and is the guiding determination. The commenter's requested statement is better suited to and has been added to the Statement of Basis for Condition 14. The phrase "the Permittee must comply with the requirements of NSPS Subpart WWW" has been added to the permit before Condition 14 for clarity.*

---

**10. Condition 15 – Exceedences.** Condition 15.1 should read, *"If the pressure and temperature parameters cannot be corrected without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded, or other corrective action implemented, to correct the exceedence within 120 days of the initial exceedence. An alternative timeline for correcting the exceedence may be submitted to the Administrator for approval."*

*Response from ADEC: This request is approved and incorporated at Condition 15(1)(b) since it is consistent with the requirements of 40 CFR 60.755.*

---

**11. Condition 16 – Operational Monitoring and Recordkeeping Requirements.** Condition 16.1(a) should read. *"gauge pressure in the gas collection wellhead at each individual well;"*

*Response from ADEC: This condition has been revised as requested.*

---

**12. Condition 16 – Operational Monitoring and Recordkeeping Requirements.** Condition 16.2 should read, *"Monitor surface concentrations of methane quarterly along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or a site-specific established spacing) according to the parameters described in 40 C.F.R. 60.753(d)." This correction is consistent with current operating practice and permit requirements.*

*Response from ADEC: This condition has been revised as requested.*

---

**13. Condition 16 – Operational Monitoring and Recordkeeping Requirements.** Condition 16.3(c) should read, *"visually inspect the seal or closure mechanism on the bypass line valve at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line if present. Record the date and findings of this inspection."*

*Response from ADEC: This condition has been revised as requested.*

---

**14. Condition 18 – Exceedence Recordkeeping.** Condition 18.1 should read, “*All 3-hour periods of operation during which the average combustion temperature of the flare was more than 28 °C (50 °F) below the average combustion temperature during the most recent performance test demonstrating compliance;*”

*Response from ADEC: This condition has been revised as requested.*

---

**15. Condition 19 – Routine Reporting.** Condition 19.3 should read, “*Semi-Annual Administrative Report. When using an active collection system to comply with 40 C.F.R. 60.752(b)(2), submit to the Administrator semi-annual reports of the information below. For enclosed combustion devices and flares, reportable exceedances are defined under 40 C.F.R. 60.758(c)*”.

*Response from ADEC: The condition was changed as requested. However, the Permittee should be aware that NESHAPS AAAA requirement to submit the NSPS Subpart WWW report (40 CFR 60.757(f)) to the Administrator (in this case, EPA) semi-annually is different from the requirement to submit a semi-annual Operating Report to the Alaska Department of Environmental Conservation. Condition 56 requires the permittee to attach a copy to the semi-annual operating report required by Condition 54.*

---

**16. Condition 20 – 26 Emission Units/Stationary Sources Subject to NESHAPs.** Conditions 20 through 26. These general provisions are mostly superfluous. We don’t see a need for full detail on NESHAPs general provisions. We recommend deleting all provisions and replace with a single reference to all applicable sections of NESHAPs general provisions.

*Response from ADEC: This request is denied for the same rationale as described in paragraph 7 (Comment on Section 4, Federal Requirements). Conditions 20 - 26 are language used to incorporate the NESHAPS general provisions as conditions for those affected facilities subject to a NESHAPs standard, therefore they have been kept in the permit and cited to the paragraph-level of detail needed to incorporate sufficient detail to ensure that all applicable requirements are incorporated into the permit. For this reason ADEC includes the NESHAPS General Provisions of the top level subpart, with a paragraph-level citation to the individual regulation or standard.*

---

**17. Condition 26 - Reporting.** Condition 26 is missing landfill NESHAPs reporting requirements; we recommend these be added.

---

**Response from ADEC:** *Anchorage Regional Landfill does not have a bioreactor. Other applicable requirements for the GCCS required by NESHAPs - 40 CFR Part 63 Subpart AAAA are contained in 40 CFR Part 60 Subpart WWW. The requirements of 40 CFR Part 60 NSPS WWW were previously addressed in Conditions 14 - 19. Condition 27 has been added to require the Permittee to comply with Conditions 14 - 19. To meet the semi-annual reporting requirement of 40 CFR 63.1980(a), Condition 19 3 requires semi-annual reporting of the annual report described in 40 C.F.R. 60.757(f). Condition 28 requires that the Permittee maintain the SSM on-site as required by 40 C.F.R. 63.1960.*

---

18. **Comment.** All Part 71 Title V references should be change to **Part 70** as Part 71 is for Title V permits for federal lands. See references for Conditions 38.2, 58.3, and 60.

**Response from ADEC:** *This request is denied. ADEC, while being a State operating permit program that operates as a Part 70 approved program (40 CFR 70 Appendix A), adopted by reference many of the Part 71 rules in ADEC regulations at 18 AAC 50.040(j). An Alaska operating permit must contain the permit content elements of 40 C.F.R. Part 71, as adopted by reference in 18 AAC 50.040.*

---

19. **Condition 58 – Operational Flexibility.** Condition 58.3 should read, “*The permit shield described in 40 C.F.R. 70.6(f) shall not apply to any change made pursuant to Condition 58*”.

**Response from ADEC:** *The requested change has been made.*

---

20. **Section 10 – Visible Emissions Form.** The Section 10 Visible Emissions Form has an entry location for the “Certified Observer”. Does this form need to be completed by an EPA Method 9 certified observer? If not, please provide what type of certification is required to perform these observations.

**Response from ADEC:** *An EPA Method 9 Certified Observer is required.*

---

21. **Comment: Statement of Basis, Emissions Unit Inventory and Description.** The word “emitted” in the second sentence of the second paragraph under the Emission Unit Inventory and Description section should be replaced with **generated**.

**Response from ADEC:** *Permit was revised as requested.*

---

22. **Comment.** We were unable to determine the genesis of the PTE HAP’s number of 16.48 listed in Table B –Emissions Summary, in Tons Per Year (TPY). The Permit Renewal application states 7.09 TPY. Please provide backup calculations of these numbers.

---

**Response from ADEC:** *The PTE to emit uncontrolled LFG to the flare is 9.62 tpy before being controlled by the flare. This was used instead of the 0.192 tpy after flare control. The permit has been revised to 7.09 tpy PTE HAPs to reflect emissions after the flare.*

---

**23. Comment.** It appears the VOC figure of 80.64 listed in Table B – Emissions Summary, in Tons Per Year (TPY) includes both VOC and NMOC emissions. These need to be separated as they are separately regulated pollutants under the Clean Air Act.

**Response from ADEC:** *The breakdown has been included in the footnote. It is not necessary to list them separately for assessable emission purposes.*

---

**24. Comment.** The Permit Renewal application calculations show a PTE of 186.2 TPY and Assessable Emissions of 164.5 TPY. We cannot determine the genesis of the 195.62 and 174.41 TPY values listed for these in the Table B – Emissions Summary, in Tons Per Year (TPY). Please provide backup calculations of these numbers.

**Response from ADEC:** *The permit has been revised so that the total PTE of 179.14 reflects the total of all pollutants except fugitive emissions and HAPs. Fugitive emissions do not count towards PTE; the 7.09 tons of HAPs are excluded from the permit total because they are included in the 80.64 tons of VOCs. The assessable PTE of 174.41 is the full amount of all regulated pollutants for which emissions are greater than 10 tpy.*

---

**25. SOB - Condition 1.** The value of 104.5 tons listed as the actual fugitive dust emissions under Condition 1 Dust Control Plan on Page 5 of 17 is inconsistent with the value of 140.5 tons listed in the third paragraph of Page 3 of 17. We believe this is a typo and should be corrected to **140.5** tons.

**Response from ADEC:** *The permit has been revised as requested.*

---

**26. SOB - Condition 9 and 10.** The legal basis for Conditions 9 and 10 on Page 6 of 17 states that surface methane concentrations are monitored monthly. This should be changed to read that surface methane concentrations are monitored **quarterly**.

**Response from ADEC:** *The permit has been revised as requested.*

---

**27. Comment SOB:** The Statement of Basis is missing landfill NESHAPs. A site does not need to be a HAPs major site for these conditions to apply, and as an NSPS landfill; the site is also subject to the landfill NESHAPs.

**Response from ADEC:** *Applicable NESHAP requirements are included in the Statement of Basis for Permit Conditions 20 through 28.*

---

**28. Comment SOB.** Pages 14 and 15 of 17 cite regulations under Part 71 of 40 C.F.R. Part 71 is for Title V permitting on federal lands. These should all be updated to reflect Part 70 references.

**Response from ADEC:** *This request is denied. See the response to comment number 18.*

---

**29. Comment.** What is the relevance of Attachment A to the Statement of Basis?

**Response from ADEC:** *Attachment A has been removed.*