



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: PERRY COUNTY ASSOCIATES, LLC

FACILITY NAME: ARROWHEAD LANDFILL

FACILITY/PERMIT NO.: 107-0003

LOCATION: UNIONTOWN, PERRY COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: DRAFT

Effective Date: DRAFT

Expiration Date: DRAFT

Alabama Department of Environmental Management

TABLE OF CONTENTS

GENERAL PERMIT PROVISOS	4
1. <i>Transfer</i>	4
2. <i>Renewals</i>	4
3. <i>Severability Clause</i>	4
4. <i>Compliance</i>	4
5. <i>Termination for Cause</i>	4
6. <i>Property Rights</i>	5
7. <i>Submission of Information</i>	5
8. <i>Economic Incentives, Marketable Permits, and Emissions Trading</i>	5
9. <i>Certification of Truth, Accuracy, and Completeness</i>	5
10. <i>Inspection and Entry</i>	5
11. <i>Compliance Provisions</i>	6
12. <i>Compliance Certification</i>	6
13. <i>Reopening for Cause</i>	7
14. <i>Additional Rules and Regulations</i>	7
15. <i>Equipment Maintenance or Breakdown</i>	7
16. <i>Operation of Capture and Control Devices</i>	8
17. <i>Obnoxious Odors</i>	8
18. <i>Fugitive Dust</i>	9
19. <i>Additions and Revisions</i>	9
20. <i>Recordkeeping Requirements</i>	9
21. <i>Reporting Requirements</i>	9
22. <i>Emission Testing Requirements</i>	10
23. <i>Payment of Emission Fees</i>	11
24. <i>Other Reporting and Testing Requirements</i>	11
25. <i>Title VI Requirements (Refrigerants)</i>	11
26. <i>Chemical Accidental Prevention Provisions</i>	11
27. <i>Display of Permit</i>	12
28. <i>Circumvention</i>	12
29. <i>Visible Emissions</i>	12
30. <i>Fuel-Burning Equipment</i>	12
31. <i>Process Industries – General</i>	13
32. <i>Averaging Time for Emission Limits</i>	13
33. <i>Open Burning</i>	13
SPECIFIC PROVISOS: ARROWHEAD LANDFILL	14
Summary Page	14
Unit Specific Provisos	15
1. Applicability	15
2. Emission Standards	15
3. Compliance and Performance Test Methods and Procedures	17
4. Emission Monitoring	17
5. Recordkeeping and Reporting Requirements	18

SPECIFIC PROVISOS: ARROWHEAD LANDFILL ASBESTOS NESHAP..... 20

<i>Summary Page</i>	<i>20</i>
<i>Unit Specific Provisos.....</i>	<i>21</i>
1. Applicability	21
2. Emission Standards	21
3. Recordkeeping and Reporting Requirements.....	21

SPECIFIC PROVISOS: ARROWHEAD FACILITY-WIDE FUGITIVE DUST PLAN..... 23

<i>Summary Page</i>	<i>23</i>
<i>Unit Specific Provisos.....</i>	<i>24</i>
1. Applicability	24
2. Emission Standards	24
3. Compliance and Performance Test Methods and Procedures.....	24
4. Emission Monitoring.....	25
5. Recordkeeping and Reporting Requirements.....	25

General Permit Provisos

Federally Enforceable Provisos	Regulations
1. <u>Transfer</u> This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5. 2. <u>Renewals</u> An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit. The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph. 3. <u>Severability Clause</u> The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered. 4. <u>Compliance</u> (a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee. (b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity. 5. <u>Termination for Cause</u> This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit	Rule 335-3-16-.02(6) Rule 335-3-16-.12(2) Rule 335-3-16-.05(e) Rule 335-3-16-.05(f) Rule 335-3-16-.05(g) Rule 335-3-16-.05(h)

General Permit Provisos

Federally Enforceable Provisos	Regulations
modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.	
6. <u>Property Rights</u>	
The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	Rule 335-3-16-.05(i)
7. <u>Submission of Information</u>	
The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.	Rule 335-3-16-.05(j)
8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u>	
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 this permit.	Rule 335-3-16-.05(k)
9. <u>Certification of Truth, Accuracy, and Completeness:</u>	
Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.	Rule 335-3-16-.07(a)
10. <u>Inspection and Entry</u>	
Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following: (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;	Rule 335-3-16-.07(b)

General Permit Provisos

Federally Enforceable Provisos	Regulations
(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.	
11. <u>Compliance Provisions</u> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.	Rule 335-3-16-.07(c)
12. <u>Compliance Certification</u> A compliance certification shall be submitted annually within 60 days of the anniversary date of issuance of this permit, or within an alternative timeline approved by the Director. (a) The compliance certification shall include the following: (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); (4) Whether compliance has been continuous or intermittent; (5) Such other facts as the Department may require to determine the compliance status of the source; (b) The compliance certification shall be submitted to the Air and EPCRA Enforcement Branch at EPA, Region IV through the Compliance and Emissions Data Reporting Interface (CEDRI)	Rule 335-3-16-.07(e)

General Permit Provisos

Federally Enforceable Provisos	Regulations
located on EPA's Central Data Exchange (CDX), and should also be mailed to the Alabama Department of Environmental Management's Air Division at P.O. Box 301463, Montgomery, AL 36130-1463.	
13. <u>Reopening for Cause</u> Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit: (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire. (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit. (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.	Rule 335-3-16-.13(5)
14. <u>Additional Rules and Regulations</u> This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.	§22-28-16(d), Code of Alabama 1975, as amended
15. <u>Equipment Maintenance or Breakdown</u> (a) In the case of shutdown for more than one (1) hour of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to	Rule 335-3-1-.07(1), (2)

General Permit Provisos

Federally Enforceable Provisos	Regulations
the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following: (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. (b) In the event that there is a breakdown of equipment or upset of process for a period exceeding one (1) hour in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.	
16. <u>Operation of Capture and Control Devices</u> All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.	§22-28-16(d), Code of Alabama 1975, as amended
17. <u>Obnoxious Odors</u> This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental	Rule 335-3-1-.08

General Permit Provisos

Federally Enforceable Provisos	Regulations
Management that these measures are technically and economically feasible.	
18. <u>Fugitive Dust</u> Reasonable precautions to prevent fugitive dust shall be taken so that provisions of the Department's rules and regulations shall not be violated.	Rule 335-3-4-.02
19. <u>Additions and Revisions</u> Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.	Rule 335-3-16-.13 and .14
20. <u>Recordkeeping Requirements</u> (a) Records of required monitoring information of the source shall include the following: (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. (b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.	Rule 335-3-16-.05(c)2
21. <u>Reporting Requirements</u> (a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said	Rule 335-3-16-.05(c)3

General Permit Provisos

Federally Enforceable Provisos	Regulations
reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	
22. <u>Emission Testing Requirements</u> Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised. As allowed in MACT and other regulations, flexibility is provided to use alternative test methods, as approved by EPA, ADEM or permit condition. The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations. To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter: (1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning). (3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity. (4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.	Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1) Rule 335-3-1-.04

General Permit Provisos

Federally Enforceable Provisos	Regulations
A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis. All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division or an alternative time is specified by an applicable regulation.	Rule 335-3-1-.04
23. <u>Payment of Emission Fees</u> Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.	Rule 335-1-7-.04
24. <u>Other Reporting and Testing Requirements</u> Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.	Rule 335-3-1-.04(1)
25. <u>Title VI Requirements (Refrigerants)</u> Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F. No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F. The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.	40 CFR Part 82
26. <u>Chemical Accidental Prevention Provisions</u> If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:	40 CFR Part 68

General Permit Provisos

Federally Enforceable Provisos	Regulations
(a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.	
27. <u>Display of Permit</u> This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.	Rule 335-3-14-.01(1)(d)
28. <u>Circumvention</u> No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.	Rule 335-3-1-.10
29. <u>Visible Emissions</u> Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.	Rule 335-3-4-.01(1)
30. <u>Fuel-Burning Equipment</u> (a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03. (b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide	Rule 335-3-4-.03

General Permit Provisos

Federally Enforceable Provisos	Regulations
emissions in excess of the emissions specified in Part 335-3-5-.01.	
31. <u>Process Industries – General</u>	
Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.	Rule 335-3-5-.01
32. <u>Averaging Time for Emission Limits</u>	
Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	Rule 335-3-4-.04
33. Permit Shield	
A permit shield exists under this operating permit in accordance with ADEM Administrative Code R. 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in the application for this permit. Under this shield, it has been determined that requirements listed as non-applicable in such section are not applicable to this source.	Rule 335-3-1-.05

Summary Page for Arrowhead Landfill

Permitted Operating

Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
001	Municipal Solid Waste Landfill	NMOC	N/A	40 CFR 60.760

Provisos for Arrowhead Landfill

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This source is subject to New Source Performance Standards 40 CFR 60 Subpart XXX-Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction After July 17, 2014.	ADEM Admin. Rule R. 335-3-10-.02(76)
<i>Section 2--Emission Standards</i>	
1. The owner or operator must calculate a Tier 1 NMOC mass according to 40 CFR 60.764(a)(1). a. If the NMOC emission rate is less than 34 Mg/yr, the owner or operator must submit an NMOC emission rate report and must recalculate the NMOC mass emission rate annually as required by 40 CFR 60.762(b). b. If the NMOC emission rate is equal to or greater than 34 Mg/yr, the owner or operator must do one of the following: i. Submit a gas collection system design plan within 1 year as specified in 40 CFR 60.767(c) and install and operate a gas collection and control system within 30 months according to 40 CFR 60.762(b)(2)(ii) and (iii); ii. Determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the Tier 2 procedures provided in 40 CFR 60.764(a)(3); iii. Determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using Tier 3 procedures provided in 40 CFR 60.764(a)(4).	ADEM Admin. Rule R. 335-3-10-.02(76)
2. If the owner or operator determines a site-specific NMOC concentration using Tier 2 procedures, the following applies: a. If the NMOC emission rate is less than 34 Mg/yr, the owner or operator must submit a periodic emission report in accordance with 40 CFR 40 CFR 60.767(b)(1) and retest the site specific NMOC concentration every five years using methods specified in 40 CFR 60 Appendix A. b. If the NMOC emission rate is equal to or greater than 34 Mg/yr, the owner or operator must do one of the following: i. Submit a gas collection system design plan within 1 year as specified in 40 CFR 60.767(c) and install and operate a gas collection and control system within 30 months according to 40 CFR 60.762(b)(ii) and (iii);	ADEM Admin. Rule R. 335-3-10-.02(76)

Federally Enforceable Provisos	Regulations
b. The most recent NMOC emission rate report in which the NMOC emission rate equals or exceeds 34 Mg/yr based on Tier 2, if the Tier 4 surface emissions monitoring shows a surface methane concentration of 500 parts per million methane or greater as specified in 40 CFR 60.767(c)(4)(iii). c. The first annual report in which the NMOC emission rate equals or exceeds 50 Mg/yr unless Tier 2 or Tier 3 sampling demonstrates the emission rate is less than 50 Mg/yr as specified in 40 CFR 63.1959(b).	
<i>Section 3--Compliance and Performance Test Methods and Procedures</i>	
1. The source with a required collection system shall demonstrate compliance use the procedures specified in 40 CFR 60.765. Once the owner or operator begins to comply with 63.1960, the owner or operator must continue to operate the collection and control device according to those provisions and cannot return to 40 CFR 60.765.	ADEM Admin. Rule R. 335-3-10-.02(76)
2. An initial performance test of the collection and control system shall be completed no later than 180 days after initial startup of the system in accordance with the test methods specified in 40 CFR 60.764(d).	ADEM Admin. Rule R. 335-3-10-.02(76)
3. The owner or operator shall conduct an initial performance test of the collection system and flare in accordance with the requirements of 40 CFR 60.8.	ADEM Admin. Rule R. 335-3-10-.02(76)
4. The visible emissions shall be determined using reference Method 22 of 40 CFR 60 Appendix A.	ADEM Admin. Rule R. 335-3-10-.02(76)
<i>Section 4--Emission Monitoring</i>	
1. The owner or operator shall submit an emission report initially and annually thereafter in accordance with 40 CFR 60.767(b)(1) and shall recalculate the NMOC rate using the formula and procedures provided in 60.764(a) or (b) as applicable.	ADEM Admin. Rule R. 335-3-10-.02(76)
2. If the owner or operator submits a 5-year NMOC emission report in accordance with 40 CFR 60.767(b)(1), the annual MSW acceptance rate shall be documented to determine if it exceeds the rate used in the 5-year NMOC calculations. If the acceptance rate exceeds the rate used in the report, a revised NMOC report shall be submitted based on the known acceptance rates.	ADEM Admin. Rule R. 335-3-10-.02(76)
3. Monitoring of a required collection and control system shall comply with the provisions of 40 CFR 60.766.	ADEM Admin. Rule R. 335-3-10-.02(76)

Federally Enforceable Provisos**Regulations***Section 5--Recordkeeping and Reporting Requirements*

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| <p>1. The owner or operator shall maintain on-site records of the design capacity report in which design capacity was first shown to meet or exceed 2.5 million m³ by volume and 2.5 million Mg by mass, current waste in place and year by year acceptance rate.</p> <p>2. The owner or operator shall submit an NMOC emission rate report as provided for below. The administrator may request additional information as may be necessary to verify the reported NMOC emission rate.</p> <p>a. The NMOC emission rate report must contain an annual or 5-year estimate on the NMOC emission rate calculated using the formula and procedures provided in 40 CFR 60.764 as applicable.</p> <p>i. The NMOC emission rate reports must be submitted annually except if the NMOC emission rate is less than 34 Mg/yr in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate must include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based must be provided to the Administrator. This estimate must be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate must be submitted to the Administrator. The revised estimate must cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.</p> <p>b. The NMOC emission rate report must include all the data, calculations, sample reports, and measurements used to estimate the annual or 5-year emissions.</p> <p>c. Each owner or operator subject to the requirements of 40 CFR 60 Subpart XXX is exempted from the requirements to submit an NMOC emission rate report, after installing a collection and control system that complies with 40 CFR 60.762(b)(ii) and (iii), during such time as the collection and control system is in operation and in compliance 62.763 and 60.765.</p> <p>d. A copy of the NMOC emission rate report shall be kept on site.</p> | <p>ADEM Admin. Rule R. 335-3-10-.02(76)</p> <p>ADEM Admin. Rule R. 335-3-10-.02(76)</p> |
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Federally Enforceable Provisos	Regulations
3. Each owner or operator required to install and operate a gas collection and control system must submit a collection and control system design plan to the Administrator for approval. The collection and control system design plan must be prepared and approved by a professional engineer and meet the requirements in 40 CFR 60.767(c)(1)-(7).	ADEM Admin. Rule R. 335-3-10-.02(76)
4. An owner or operator intending to demonstrate site-specific surface methane emissions are below 500 parts per million(ppm) based on Tier 4 provisions must meet the following requirements: a. A notification of the date(s) upon which site-specific surface methane emissions are to be demonstrated to be below 500 ppm. The landfill must also include a description of the wind barrier to be used during the SEM in the notification. Notification must be postmarked no less than 30 days prior to such date. b. If there is a delay to the scheduled Tier 4 SEM date due to weather conditions, including not meeting the wind requirements in 40 CFR 60.764(a)(6)(iii)(A), the owner or operator shall notify the Administrator by e-mail or telephone no later than 48 hours before any delay or cancellation in the original test date, and arrange an updated date with the Administrator by mutual agreement.	ADEM Admin. Rule R. 335-3-10-.02(76)

Arrowhead Landfill

Permitted Operating

Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Fugitive	Municipal Solid Waste Landfill Gas collection System with Flare	Asbestos	N/A	ADEM Admin. Rule R. 335-3-11-.02(12)

Provisos for Landfill

Federally Enforceable Provisos	Regulations
<i>Section 1--Applicability</i>	
1. This source is subject to National Emission Standards for Hazardous Air Pollutants 40 CFR 61-Subpart M National Emission Standard for Asbestos.	ADEM Admin. Rule R. 335-3-11-.02(12)
<i>Section 2--Emission Standards</i>	
1. Either there shall be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or 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 6 inches of compacted non-asbestos-containing material. b. Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Other equally effective dust suppression agents may be used upon prior approval by the Director. c. Use an alternative emissions control method that has received prior written approval by the Director according to the procedures described in 40 CFR 61.149(c)(2).	ADEM Admin. Rule R. 335-3-11-.02(12)
<i>Section 3--Recordkeeping and Reporting Requirements</i>	
1. For all asbestos-containing waste material received, the owner or operator of the active waste disposal shall: a. Maintain waste shipment records which include the following information: i. Name, address, and telephone number of the waste generator. ii. Name, address, and telephone number of the transporter(s). iii. The quantity of the asbestos-containing waste material in cubic yards. iv. Presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material sealed in leak-tight containers. v. The date of the receipt.	ADEM Admin. Rule R. 335-3-11-.02(12)

Federally Enforceable Provisos**Regulations**

- b. Within 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 within 15 days. If the discrepancy is unresolved after 15 days, a written report shall be submitted to the local state or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator and for the disposal site.
- d. Retain a copy of all records and reports required by this proviso for at least 2 years.
- e. Maintain until closure, records of the location, depth and area, and quantity in cubic yards of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.
- f. Upon closure of the facility, submit to the Director a copy of records of asbestos waste disposal locations and quantities.
- g. Upon request, furnish and make available during normal business hours for inspection by the Director, all records required under 40 CFR 61.154.
- h. Notify the Director 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 Director 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:
 - i. Scheduled starting and completion dates.
 - ii. Reason for disturbing waste.
 - iii. 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 Director may require changes in the emissions control procedures to be used.
 - iv. Location of any temporary storage site and the final disposal site.

Summary Page for Facility-Wide Fugitive Dust Plan

Permitted Operating Schedule: 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Fugitive	Fugitive Dust	PM	N/A	ADEM Admin. Code r. 335-3-4-.02

Provisos for Facility-Wide Fugitive Dust Control

Federally Enforceable Provisos

Regulations

Section 1--Applicability

1. This landfill is subject to the provisions of ADEM Admin. Code r. 335-3-16, "Major Source Operating Permits."

Rule 335-3-16

Section 2--Emission Standards

1. The permittee shall take reasonable precautions as directed in Section 3--Compliance and Performance Test Methods and Procedures below to prevent fugitive dust at the facility that travel beyond the facility property line and cause a nuisance.

Rule 335-3-4-.02

Section 3—Compliance and Performance Test Methods and Procedures

1. The permittee shall take reasonable precautions to prevent dust from any operation, process, handling, storage, or transportation activity, including from dust from paved and unpaved roads and landfill areas and grounds in the source permitted herein from becoming airborne. The permittee shall not cause or allow the discharge of visible emissions which travel beyond the property line or the landfill. Airborne fugitive dust emissions shall be prevented and addressed as needed and as appropriate to weather conditions using any or all of the following pre-approved control measures for the following sources of fugitive dust:
 - a. Plant roads: the application of water and/or paving;
 - b. Active landfill areas: the application of water and compaction
 - c. Closed landfill areas: maintenance of vegetation; and
 - d. Daily cover activities: minimization of drop heights and compaction.
2. Specific dust control measures approved to be used as necessary for this landfill include, but are not limited to:
 - a. Use vegetative cover to minimize fugitive dust from closed landfill cells.
 - b. Landfill roads may be paved to minimize fugitive dust.
 - c. Use wet suppression to minimize fugitive dust from roads, active landfill areas and any area or activity observed or expected to cause fugitive dust. Wet suppression shall not be required during natural wet conditions. Wet suppression means using water trucks or any other means of spraying or applying water. Mixing of water with material during handling also constitutes wet suppression.

Federally Enforceable Provisos	Regulations
i. The indicator that water application is required is the visual observation of fugitive dust from vehicle traffic and/or act of wind. ii. Wet suppression is effective when the application of water prevents visible fugitive dust from crossing property lines. iii. Inspect the water truck on each day of use prior to operation and initiate corrective action with 24 hours of the inspection if any condition observed prevents the water truck from being used to apply sufficient water to prevent fugitive dust. iv. On a daily log (which may be in the form of a checklist), record the results of the water truck inspection, the amount of water applied, and the areas to which the water was applied, or if the water truck was not used on a given day, the reason it was not used. v. For the semi-annual report, maintain a record of the days when the water truck was not able to be used effectively for wet suppression, including the reason it was not used. It is not necessary to list wet days in the report. d. Use compaction of daily cover materials and minimize material drop heights for active landfilling operations. i. Train employees who participate or supervise daily cover activities in work practices to minimize material drop heights and to attain and maintain adequate compaction to prevent fugitive dust. ii. Maintain records of training in fugitive dust management techniques. iii. For the semi-annual report, maintain a record of the date and a brief description of each time when a work practice was not properly performed and the corrective action(s) taken.	
<i>Section 4--Emission Monitoring</i>	
1. The permittee shall conduct weekly visual observations, considering factors such as naturally wet conditions, for fugitive dust in areas listed with the potential to generate fugitive dust, and if visible emissions traveling beyond the facility property line are observed, any necessary corrective actions shall be initiated within four (4) hours of observation.	Rule 335-3-16-.05
<i>Section 5--Recordkeeping and Reporting Requirements</i>	
1. The permittee shall maintain a record of all inspections, to include visible observations performed to satisfy the requirements of	Rule 335-3-16-.05

Federally Enforceable Provisos	Regulations
Proviso 1 of Section 4--Emission Monitoring above. This shall include problems observed and corrective actions taken. The records shall be retained for at least five (5) years from the date of generation and shall be available upon request. 2. The permittee shall submit a report at least every 6 months, which shall include the monitoring of fugitive dust control measures, including any days when a water truck was unable to be used effectively for wet suppression and the reason, or a statement that no such events occurred during the reporting period. The report shall be submitted within 30 days following the end of the six month period.	Rule 335-3-16-.05