Attention:

Sumner Landfill
Attn: Branham Lafferty
Route 250 Road 550E
Sumner, Illinois 62466

State of Illinois

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Source:

Sumner Landfill
Route 250 Road 550E
Summer, Illinois 62466

I.D. No.: 101802AAF
Permit No.: 99120071

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19506, SPRINGFIELD, ILLINOIS 62794-9506 - (217) 782-2113

PAT QUINN, GOVERNOR LISA BONNETT, DIRECTOR

CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

Type of Application:	Renewal
ID No.:	101802AAF
Permit No.:	99120071
Statement of Basis No.:	99120071-07-2014
Date Application Received:	May 9, 2006
Date Issued:	September 19, 2014
Expiration Date:	Five (5) Years from September 19, 2014
Renewal Submittal Date:	9 Months Prior to Expiration Date
Source Name:	Sumner Landfill
Address:	Route 250 Road 550E
City:	Sumner
County:	Lawrence
ZIP Code:	62466

This permit is hereby granted to the above-designated source authorizing operation in accordance with this CAAPP permit, pursuant to the above referenced application. This source is subject to the conditions contained herein.

If you have any questions concerning this permit, please contact Azael Ramirez at 217/785-1705.

Raymond E. Pilapil

Raymond E. Pilapil
Acting Manager, Permit Section
Division of Air Pollution Control

REP:MTR:AJR:jws

cc: IEPA, Permit Section
IEPA, FOS, Region 3
Lotus Notes Database

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Section 1 - Source

1. Addresses

Source

Sumner Landfill
Route 250 Road 550E
Sumner, Illinois 62466

Owner

Sumner Landfill
Route 250 Road 550E
Sumner, Illinois 62466

Operator

Sumner Landfill
Route 250 Road 550E
Sumner, Illinois 62466

Permittee

The Owner and Operator of the source as identified in this table.

2. Contacts

Certified Officials

The source shall submit an Administrative Permit Amendment for any change in the Certified Officials, pursuant to Section 39.5(13) of the Act.

	Name	*Title*
Responsible Official	Travis Simpson	Area President
Delegated Authority	No other individuals have been authorized by the IEPA.	N/A

Other Contacts, e.g., *Source, Technical, Correspondence, and Billing Contact.*

Name	*Phone No.*	*Email*
Branham Lafferty Environmental Manager	(618)936-9303	blafferty@republicservices.com

Section 2 - General Permit Requirements

1. Prohibitions

a. It shall be unlawful for any person to violate any terms or conditions of this permit issued under Section 39.5 of the Act, to operate the CAAPP source except in compliance with this permit issued by the IEPA under Section 39.5 of the Act or to violate any other applicable requirements. All terms and conditions of this permit issued under Section 39.5 of the Act are enforceable by USEPA and citizens under the Clean Air Act, except those, if any, that are specifically designated as not being federally enforceable in this permit pursuant to Section 39.5(7)(m) of the Act. [Section 39.5(6)(a) of the Act]

b. After the applicable CAAPP permit or renewal application submittal date, as specified in Section 39.5(5) of the Act, the source shall not operate this CAAPP source without a CAAPP permit unless the complete CAAPP permit or renewal application for such source has been timely submitted to the IEPA. [Section 39.5(6)(b) of the Act]

c. No Owner or Operator of the CAAPP source shall cause or threaten or allow the continued operation of an emission source during malfunction or breakdown of the emission source or related air pollution control equipment if such operation would cause a violation of the standards or limitations applicable to the source, unless this CAAPP permit granted to the source provides for such operation consistent with the Act and applicable Illinois Pollution Control Board regulations. [Section 39.5(6)(c) of the Act]

d. Pursuant to Section 39.5(7)(g) of the Act, emissions from the source are not allowed to exceed any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder, consistent with Section 39.5(17) of the Act and applicable requirements, if any.

2. Emergency Provisions

Pursuant to Section 39.5(7)(k) of the Act, the Permittee may provide an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations under this CAAPP permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

a. i. An emergency occurred and the source can identify the cause(s) of the emergency.

ii. The source was at the time being properly operated.

iii. The source submitted notice of the emergency to the IEPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

iv. During the period of the emergency the source took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or requirements in this permit.

b. For purposes of Section 39.5(7)(k) of the Act, "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, such as an act of God, that requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operation error.

c. In any enforcement proceeding, the source seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve

the source of any reporting obligations under existing federal or state laws or regulations.

3. General Provisions

a. Duty to Comply

The source must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. [Section 39.5(7)(o)(i) of the Act]

b. Need to Halt or Reduce Activity is not a Defense

It shall not be a defense for the source in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Section 39.5(7)(o)(ii) of the Act]

c. Duty to Maintain Equipment

The source shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements. [Section 39.5(7)(a) of the Act]

d. Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated there under. [Section 39.5(7)(a) of the Act]

e. Duty to Pay Fees

i. The source must pay fees to the IEPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto. [Section 39.5(7)(o)(vi) of the Act]

ii. The IEPA shall assess annual fees based on the allowable emissions of all regulated air pollutants, except for those regulated air pollutants excluded in Section 39.5(18)(f) of the Act and insignificant activities in Section 6, at the source during the term of this permit. The amount of such fee shall be based on the information supplied by the applicant in its complete CAAPP permit application. [Section 39.5(18)(a)(ii)(A) of the Act]

iii. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois EPA, P.O. Box 19276, Springfield, IL, 62794-9276. Include on the check: ID #, Permit #, and "CAAPP Operating Permit Fees". [Section 39.5(18)(e) of the Act]

f. Obligation to Allow IEPA Surveillance

Pursuant to Sections 4(a), 39.5(7)(a), and 39.5(7)(p)(ii) of the Act, inspection and entry requirements that necessitate that, upon presentation of credentials and other documents as may be required by law and in accordance with constitutional limitations, the source shall allow the IEPA, or an authorized representative to perform the following:

i. Enter upon the source's premises where the emission unit(s) are located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. Sample or monitor any substances or parameters at any location at reasonable times:

A. As authorized by the Clean Air Act or the Act, at reasonable times, for the purposes of assuring compliance with this CAAPP permit or applicable requirements; or

B. As otherwise authorized by the Act.

v. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

g. Effect of Permit

i. Pursuant to Section 39.5(7)(j)(iv) of the Act, nothing in this CAAPP permit shall alter or affect the following:

A. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section.

B. The liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

C. The applicable requirements of the acid rain program consistent with Section 408(a) of the Clean Air Act.

D. The ability of USEPA to obtain information from the source pursuant to Section 114 (inspections, monitoring, and entry) of the Clean Air Act.

ii. Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, pursuant to Sections 39.5(7)(j) and (p) of the Act, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements. [35 IAC 201.122 and Section 39.5(7)(a) of the Act]

h. Severability Clause

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, other portions of this permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and the rights and obligations of the source shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force. [Section 39.5(7)(i) of the Act]

4. Testing

a. Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the IEPA

shall be submitted as specified in Condition 7.1 of this permit. [35 IAC Part 201 Subpart J and Section 39.5(7)(a) of the Act]

b. Pursuant to Section 4(b) of the Act and 35 IAC 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:

i. Testing by Owner or Operator: The IEPA may require the Owner or Operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the IEPA, at such reasonable times as may be specified by the IEPA and at the expense of the Owner or Operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The IEPA shall have the right to observe all aspects of such tests.

ii. Testing by the IEPA: The IEPA shall have the right to conduct such tests at any time at its own expense. Upon request of the IEPA, the Owner or Operator of the emission source or air pollution control equipment shall provide, without charge to the IEPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.

5. Recordkeeping

a. Control Equipment Maintenance Records

Pursuant to Section 39.5(7)(b) of the Act, a maintenance record shall be kept on the premises for each item of air pollution control equipment. At a minimum, this record shall show the dates maintenance was performed and the nature of preventative and corrective maintenance activities.

b. Retention of Records

i. Records of all monitoring data and support information shall be retained 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, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [Section 39.5(7)(e)(ii) of the Act]

ii. Pursuant to Section 39.5(7)(a) of the Act, other records required by this permit including any logs, plans, procedures, or instructions required to be kept by this permit shall be retained for a period of at least 5 years from the date of entry unless a different period is specified by a particular permit provision.

c. Availability of Records

i. Pursuant to Section 39.5(7)(a) of the Act, the Permittee shall retrieve and provide paper copies, or as electronic media, any records retained in an electronic format (e.g., computer) in response to an IEPA or USEPA request during the course of a source inspection.

ii. Pursuant to Section 39.5(7)(a) of the Act, upon written request by the IEPA for copies of records or reports required to be kept by this permit, the Permittee shall promptly submit a copy of such material to the IEPA. For this purpose, material shall be submitted to the IEPA within 30 days unless additional time is provided by the IEPA or the Permittee believes that the volume and nature of requested material would make this overly burdensome, in which case, the Permittee

shall respond within 30 days with the explanation and a schedule for submittal of the requested material. (See also Condition 2.9(d))

6. Certification

a. **Compliance Certification**

i. Pursuant to Section 39.5(7)(p)(v)(A) and (C) of the Act, the source shall submit annual compliance certifications by May 1 or more frequently as specified in an applicable requirement. The annual compliance certifications shall include the following:

A. The identification of each term or condition of this permit that is the basis of the certification.

B. The compliance status, i.e., compliant, non-compliant, or intermittent.

C. The method(s) used for determining the compliance status of the source.

ii. Pursuant to Section 39.5(7)(p)(v)(D) of the Act, all compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the IEPA Compliance Section. Addresses are included in Attachment 2.

iii. Pursuant to Section 39.5(7)(p)(i) of the Act, all compliance reports shall include a certification in accordance with Condition 2.6(b).

b. **Certification by a Responsible Official**

Any document (including reports) required to be submitted by this permit shall contain a certification by the responsible official of the source that meets the requirements of Section 39.5(5) of the Act and applicable regulations. [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included in Attachment 3 of this permit.

7. Permit Shield

a. Pursuant to Section 39.5(7)(j) of the Act, except as provided in Condition 2.7(b) below, the source has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the IEPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit. This permit shield does not extend to applicable requirements which are promulgated after 7/31/2014 (date USEPA notice started), unless this permit has been modified to reflect such new requirements.

b. Pursuant to Section 39.5(7)(j) of the Act, this permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

c. Pursuant to Section 39.5(7)(a) of the Act, the issuance of this permit by the IEPA does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any currently pending or future legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the IEPA or the USEPA may have against the applicant including, but not limited to, any enforcement action authorized pursuant to the provision of applicable federal and state law.

8. Title I Conditions

Pursuant to Sections 39(a), 39(f), and 39.5(7)(a) of the Act, as generally identified below, this CAAPP permit may contain certain conditions that relate to requirements arising from the construction or modification of emission units at this source. These requirements derive from permitting programs authorized under Title I of the Clean Air Act (CAA) and regulations thereunder, and Title X of the Illinois Environmental Protection Act (Act) and regulations implementing the same. Such requirements, including the New Source Review programs for both major (i.e., PSD and nonattainment areas) and minor sources, are implemented by the IEPA.

a. This permit may contain conditions that reflect requirements originally established in construction permits previously issued for this source. These conditions include requirements from preconstruction permits issued pursuant to regulations approved or promulgated by USEPA under Title I of the CAA, as well as requirements contained within construction permits issued pursuant to state law authority under Title X of the Act. Accordingly, all such conditions are incorporated into this CAAPP permit by virtue of being either an "applicable Clean Air Act requirement" or an "applicable requirement" in accordance with Section 39.5 of the Act. These conditions are identifiable herein by a designation to their origin of authority.

b. This permit may contain conditions that reflect necessary revisions to requirements established for this source in preconstruction permits previously issued under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIR."

   i. Revisions to original Title I permit conditions are incorporated into this permit through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Revised Title I permit conditions shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

c. This permit may contain conditions that reflect new requirements for this source that would ordinarily derive from a preconstruction permit established under the authority of Title I of the CAA. These conditions are specifically designated herein as "TIN."

   i. The incorporation of new Title I requirements into this CAAPP permit is authorized through the combined legal authority of Title I of the CAA and Title X of the Act. Public participation requirements and appeal rights shall be governed by Section 39.5 of the Act.

   ii. Any Title I conditions that are newly incorporated shall remain in effect through this CAAPP permit, and are therefore enforceable under the same, so long as such conditions do not expire as a result of a failure to timely submit a complete renewal application or are not removed at the applicant's request.

9. Reopening and Revising Permit

a. Permit Actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the source for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [Section 39.5(7)(o)(iii) of the Act]

b. Reopening and Revision

Pursuant to Section 39.5(15)(a) of the Act, this permit must be reopened and revised if any of the following occur:

i. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;

ii. Additional requirements become applicable to the source for acid deposition under the acid rain program;

iii. The IEPA or USEPA determines that this permit contains a material mistake or that an inaccurate statement was made in establishing the emission standards or limitations, or other terms or conditions of this permit; or

iv. The IEPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

c. **Inaccurate Application**

Pursuant to Sections 39.5(5)(e) and (i) of the Act, the IEPA has issued this permit based upon the information submitted by the source in the permit application referenced on page 1 of this permit. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation or reopening of this CAAPP under Section 39.5(15) of the Act.

d. **Duty to Provide Information**

The source shall furnish to the IEPA, within a reasonable time specified by the IEPA any information that the IEPA 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 request, the source shall also furnish to the IEPA copies of records required to be kept by this permit. [Section 39.5(7)(o)(v) of the Act]

10. Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement. [Section 39.5(7)(o)(vii) of the Act]

11. Permit Renewal

a. Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of the most recent issued CAAPP permit will remain in effect until the issuance of a renewal permit. [Sections 39.5(5)(l) and (o) of the Act]

b. For purposes of permit renewal, a timely application is one that is submitted no less than 9 months prior to the date of permit expiration. [Section 39.5(5)(n) of the Act]

12. Permanent Shutdown

Pursuant to Section 39.5(7)(a) of the Act, this permit only covers emission units and control equipment while physically present at the source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

13. Startup, Shutdown, and Malfunction

Pursuant to Section 39.5(7)(a) of the Act, in the event of an action to enforce the terms or conditions of this permit, this permit does not prohibit a Permittee from invoking any affirmative defense that is provided by the applicable law or rule.

Section 3 - Source Requirements

1. Applicable Requirements

Pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act, the Permittee shall comply with the following applicable requirements. These requirements are applicable to all emission units (including insignificant activities unless specified otherwise in this Section) at the source.

a. **Fugitive Particulate Matter**

i. **Applicable Requirement(s)**

A. Pursuant to 35 IAC 212.301, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source, unless the exception for wind speed greater than 25 mph is demonstrated in accordance with 35 IAC 212.314.

ii. **Compliance Method**

Testing

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, upon request by the Illinois EPA, the Permittee shall conduct observations at the property line of the source for visible emissions of fugitive particulate matter from the landfill activities with an observation period of at least one (1) minute. For this purpose, daily observations shall be conducted for at least seven calendar days for particular area(s) of concern at the source, as specified in the request, observations shall begin either within one day or three days of receipt of a written request from the Illinois EPA, depending, respectively, upon whether observations will be conducted by employees of the Permittee or a third-party observer hired by the Permittee to conduct observations on its behalf. The Permittee shall keep records for these observations in accordance with Condition 3.1(a)(ii)(B)(II).

Recordkeeping

B. I. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain a record identifying any control measures or standard operating procedures that the Permittee elects to use to comply with Condition 3.1(a)(i)(A). These shall include the following information:

1. A map or diagram showing the location of all fugitive particulate matter emissions generating activities and/or where control measures are typically applied on a regular basis, including the location, identification, length, and width of roadways, and volume and nature of expected traffic or other activity;

2. Description of the primary control measure utilized and estimated frequency of application, if not continuous;

3. Description of any secondary control measures that would be used based on circumstances (freezing temperatures, recent rain, dry weather, etc.) with identification of the circumstances in which they would be used and whether they would take the place of or supplement the primary control measures;

4. Description of corrective actions that will be implemented in the event of visible emissions across the property line and/or observation of areas affected by wind erosion and/or re-entrainment. Such corrective action may include but is not limited to the application of a protective cover on landfill surfaces, the spraying of surfactant solution or water on a regular basis, or other equivalent treatment methods;

5. The maximum daily (lbs/day) and annual (tons/year) emissions of fugitive particulate matter (PM) from landfill activities other than the passive flares, based on engineering calculations with supporting documentation;

6. Assumptions and/or observations regarding the quantity and nature of vehicle traffic at the source as related to source operations.

II. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall maintain the following records for each inspection and/or observation.

1. Date and time of the inspection and/or observations were performed;

2. Name(s) of observing personnel and their affiliation;

3. Identification of type of inspection and/or observations, i.e., general compliance inspections and/or observations request by the Illinois EPA pursuant to Condition 3.1(a)(ii)(A);

4. Identification of the activity and/or property line which was observed;

5. The total elapsed time for each observation, i.e., the observation period;

6. If a demonstration for exception from 35 IAC 212.301 is being made, wind speed data as required by 35 IAC 212.314, with an indication as to where the data was obtained;

7. The findings of the observer including whether an inspection of activities was necessary as a result of observed fugitive particulate matter emissions; and

8. A description of any corrective action taken.

b. **Asbestos Demolition and Renovation**

i. Asbestos Fees. Pursuant to Section 9.13(a) of the Act, for any site for which the Permittee must file an original 10-day notice of intent to renovate or demolish pursuant to Condition 3.1(b)(ii) below and 40 CFR 61.145(b), the Permittee shall pay to the IEPA with the filing of each 10-day notice a fee of $150.

ii. Pursuant to 40 CFR 61 Subpart M, Standard of Asbestos, prior to any demolition or renovation at this facility, the Permittee shall fulfill notification requirements of 40 CFR 61.145(b).

iii. Pursuant to 40 CFR 61.145(c), during demolition or renovation, the Permittee shall comply with the procedures for asbestos emission control established by 40 CFR 61.145(c).

c. **Ozone Depleting Substances**

Pursuant to 40 CFR 82.150(b), the Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

i. Pursuant to 40 CFR 82.156, persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices.

ii. Pursuant to 40 CFR 82.158, equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment.

iii. Pursuant to 40 CFR 82.161, persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program.

iv. Pursuant to 40 CFR 82 Subpart B, any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner shall comply with 40 CFR 82 Subpart B, Servicing of Motor Vehicle Air Conditioners.

v. Pursuant to 40 CFR 82.166, all persons shall comply with the reporting and recordkeeping requirements of 40 CFR 82.166.

d. **Future Emission Standards**

Pursuant to Section 39.5(15)(a) of the Act, this source shall comply with any new or revised applicable future standards of 40 CFR 60, 61, 62, or 63; or 35 IAC Subtitle B after the date issued of this permit. The Permittee shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by Condition 2.6(a). This permit may also have to be revised or reopened to address such new regulations in accordance to Condition 2.9.

2. Plans, Programs or Other Requirements

This Section is reserved for source-wide requirements not specified in Sections 3 or 4. As of the date of issuance of this permit, there are no other source-wide requirements that need to be separately addressed in this Section.

3. Title I Requirements

As of the date of issuance of this permit, there are no source-wide Title I requirements that need to be included in this Condition.

4. Synthetic Minor Limits

As of the date of issuance of this permit, there are no source-wide synthetic minor limits that need to be included in this Condition.

5. Source-wide Non-Applicability Determinations

a. Pursuant to 35 IAC 212.302(a) and (b), the operations at this source are not subject to 35 IAC 212.304 through 212.310 and 212.312 because, respectively, the operations at the source are not designated as being applicable based upon the sources SIC code and because it is not located in the geographical areas defined in 35 IAC 212.324(a)(1).

b. Pursuant to 35 IAC 212.314, Condition 3.1(a)(i)(A) and 35 IAC 212.301 shall not apply when the wind speed is greater than 40.2 km/hr (25 mph).

c. Pursuant to 35 IAC 212.700, the source is not subject to 35 IAC Part 212 Subpart U because the source is not located in the areas designated in and subject to 35 IAC 212.324(a)(1) or 212.423(a).

d. Pursuant to 35 IAC 35 244.142, the source is not subject to the requirement for an episode action plan, pursuant to 35 IAC 35 IAC 244.141, because the source is not a facility of a type set forth in 35 IAC 35 244.142.

e. Pursuant to 40 CFR 68.10, the source is not subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68 because the source does not meet the listed applicability requirements.

f. i. A. The compression ignition (CI) internal combustion engines (ICE) at the source are not subject to the requirements of 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines based upon the engines not meeting the applicability criteria in 40 CFR 60.4200 and the definition of a *Stationary internal combustion engine* in 40 CFR 60.4219, i.e., all engines at the source are mobile and meet the definition of a non-road engine as defined in 40 CFR 1068.30.

B. The spark ignition (SI) internal combustion engines (ICE) at the source are not subject to the requirements of 40 CFR Part 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines based upon the engines not meeting the applicability criteria in 40 CFR 60.4230 and the definition of a *Stationary internal combustion engine* in 40 CFR 60.4248, i.e., all engines at the source are mobile and meet the definition of a non-road engine as defined in 40 CFR 1068.30.

C. The internal combustion engines at the source are not subject to the requirements of 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines based upon the engines not meeting the applicability criteria in 40 CFR 63.6585(a) and the definition of a *Stationary reciprocating internal combustion engine (RICE)* in 40 CFR 63.6675, i.e., all engines at the source are mobile and meet the definition of a non-road engine as defined in 40 CFR 1068.30.

ii. The Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), (b), (d), and (e) of the Act.

A. The Permittee shall not have nonroad engines onsite/in one location for more than 12 consecutive months. A location is any single site at a building, structure, facility, or installation. Any engine, or engines, that replaces an engine at a location and that is intended to perform the same or similar function as the engine it replaced will be included in calculating the consecutive time period.

B. Pursuant to 35 IAC 201.142, the Permittee shall obtain a construction permit prior to a change in an existing engines status, i.e., mobile to stationary, or the installation of any new "stationary reciprocating internal combustion engine (RICE)" at the source.

C. Pursuant to 35 IAC 270.302(b), the Permittee shall submit an application for modification of the CAAPP permit, pursuant to Section 39.5(14) of the Act, within 12 months of a change in an existing engines status, i.e., portable to stationary, or the installation of any new "stationary reciprocating internal combustion engine (RICE)" at the source.

D. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall verify that the engines at the source meet the definition of a mobile and non-road engines, as defined at 40 CFR 1068.30, by collecting and maintaining the following:

I. An annual inventory or list of all engines at the source, with sufficient description to identify each engine (make, model, horsepower, serial number, fuel used, etc.); and

II. Semi-annual record or log of the location of each engine at the source which documents whether the engine is operating at a single location during the past 12 months.

While on site, each engine shall be labeled in such way that it can be determined whether it is a nonroad engine or a stationary engine subject to 40 CFR 63 Subpart ZZZZ.

6. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 2.

a. Prompt Reporting

i. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements.

ii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

iii. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.6(b).

b. Semiannual Reporting

i. Pursuant to Section 39.5(7)(f)(i) of the Act, the Permittee shall submit Semiannual Monitoring Reports to the IEPA, Air Compliance Section, summarizing required monitoring as part of the Compliance Methods in this Permit submitted every six months as follows, unless more frequent reporting is required in other parts of this permit.

Monitoring Period	Report Due Date
January through June	July 31
July through December	January 31

ii. The Semiannual Monitoring Report must be certified by a Responsible Official consistent with Condition 2.6(b).

c. Annual Emissions Reporting

Pursuant to 35 IAC Part 254, the Source shall submit an Annual Emission Report to the Air Quality Planning Section, due by May 1 of the year following the calendar year in which the emissions took place. All records and calculations upon which the verified and reported data are based must be retained by the source.

Section 4 - Emission Unit Requirements

4.1 MSW Landfill

1. Emission Units and Operations

Emission Units	*Pollutants Being Regulated*	*Original Construction Date*	*Modification/ Reconstruction Date*	*Air Pollution Control Devices or Measures*	*Monitoring Devices*
MSW landfill	NMOC and Asbestos	April, 1998	N/A	Passive Flares (Odor/LFG Migration) See Section 5.1	None

2. Applicable Requirements

a. i. **Nonmethane Organic Compounds Requirements (NMOC)**

A. Pursuant to 40 CFR 60.752(b), the Permittee shall calculate an NMOC emission rate for the landfill using the procedures specified in Condition 4.1.2(a)(ii)(A) and 40 CFR 60.754. The NMOC emission rate shall be recalculated annually, except as provided in Condition 4.1.5(b)(i)(A)(II) and 40 CFR 60.757(b)(1)(ii).

I. Pursuant to 40 CFR 60.752(b)(1), if the calculated NMOC emission rate is less than 50 megagrams per year, the Permittee shall:

1. Pursuant to 40 CFR 60.752(b)(1)(i), submit an annual emission report to the Illinois EPA Compliance Section, except as provided for in Condition 4.1.5(b)(i)(A)(II) and 40 CFR 60.757(b)(1)(ii); and

2. Pursuant to 40 CFR 60.752(b)(1)(ii), recalculate the NMOC emission rate annually using the procedures specified in Condition 4.1.2(a)(ii)(A)(I) and 40 CFR 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.

(a) If the NMOC emission rate is equal to or greater than 50 megagrams per year, the Permittee shall install a collection and control system in compliance with Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.752(b)(2).

(b) If the landfill is permanently closed, a closure notification shall be submitted to the Illinois EPA BOA Compliance Section as provided for in Condition 4.1.5(b)(i)(E) and 40 CFR 60.757(d).

II. Pursuant to 40 CFR 60.752(b)(2), if the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the Permittee shall:

1. Pursuant to 40 CFR 60.752(b)(2)(i), submit a collection and control system design plan prepared by a professional engineer to the Illinois EPA BOA Permit Section within 1 year:

   (a) Pursuant to 40 CFR 60.752(b)(2)(i)(A), the collection and control system as described in the plan shall meet the design requirements in Condition 4.1.2(a)(i)(A)(II)(2) and 40 CFR 60.752 b)(2)(ii).

   (b) Pursuant to 40 CFR 60.752(b)(2)(i)(B), the collection and control system design plan shall include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of 40 CFR 60.753 through 60.758 proposed by the Permittee.

   (c) Pursuant to 40 CFR 60.752(b)(2)(i)(C), the collection and control system design plan shall either conform with specifications for active collection systems in 40 CFR 60.759 or include a demonstration to the Illinois EPA satisfaction of the sufficiency of the alternative provisions to 40 CFR 60.759.

   (d) Pursuant to 40 CFR 60.752(b)(2)(i)(D), the Illinois EPA shall review the information submitted under Condition 4.1.2(a)(i)(A)(II)(1)(a), (b) and (c) and 40 CFR 60.752(b)(2)(i) (A),(B) and (C) of this section and either approve it, disapprove it, or request that additional information be submitted. Because of the many site-specific factors involved with landfill gas system design, alternative systems may be necessary. A wide variety of system designs are possible, such as vertical wells, combination horizontal and vertical collection systems, or horizontal trenches only, leachate collection components, and passive systems.

   (e) Pursuant to 40 CFR 60.8(b) and 60.13(i), the Permittee shall obtain approval for any alternatives to monitoring and operational requirements and/or alternative test methods that are part of the design plan, from USEPA Region 5 and USEPA's Office of Air Quality Planning and Standards (OAQPS), respectively, prior to inclusion in the collection and control system design plan and submittal to the Illinois EPA for review. Alternatives approved by USEPA and published in the Federal Register need not be submitted to USEPA for prior approval. The Permittee shall include any documentation, i.e., relevant federal register notices and/or correspondence, approving proposed alternatives under this section.

2. Pursuant to 40 CFR 60.752(b)(2)(ii), install a collection and control system that captures the gas generated within the landfill as required by Condition 4.1.2(a)(i)(A)(II)(2)(a) or (b) below in this section and Condition 4.1.2(a)(i)(A)(II)(3) and 40 CFR 60.752(b)(2)(ii)(A) or (B) and (b)(2)(iii) within 30 months after the first annual report in which the emission rate equals or exceeds 50 megagrams per year, unless Tier 2 or Tier 3 sampling demonstrates that the emission rate is less

than 50 megagrams per year, as specified in Condition 4.1.5(b)(i)(D)(I) or (II) and 40 CFR 60.757(c)(1) or (2).

(a) Pursuant to 40 CFR 60.752(b)(2)(ii)(A), an active collection system shall:

(i) Be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

(ii) Collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of:

(I) 5 years or more if active; or

(II) 2 years or more if closed or at final grade.

(iii) Collect gas at a sufficient extraction rate;

(iv) Be designed to minimize off-site migration of subsurface gas.

(b) Pursuant to 40 CFR 60.752(b)(2)(ii)(B), a passive collection system shall:

(i) Comply with the provisions specified in 40 CFR 60.752(b)(2)(ii)(A)(1), (2), and (2)(ii)(A)(4).

(ii) Be installed with liners on the bottom and all sides in all areas in which gas is to be collected. The liners shall be installed as required under 40 CFR 258.40.

3. Pursuant to 40 CFR 60.752(b)(2)(iii), route all the collected gas to a control system that complies with either of the following requirements listed below and in 40 CFR 60.752(b)(2)(iii)(A), (B) or (C).

(a) Pursuant to 40 CFR 60.752(b)(2)(iii)(A), an open flare designed and operated in accordance with 40 CFR 60.18 except as noted in 40 CFR 60.754(e);

(b) Pursuant to 40 CFR 60.752(b)(2)(iii)(B), a control system designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test to be completed no later than 180 days after the initial startup of the approved control system using the test methods specified in 40 CFR 60.754(d).

(i) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.

(ii) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR 60.756;

(c) Pursuant to 40 CFR 60.752(b)(2)(iii)(C), route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of Condition 4.1.2(a)(i)(A)(II)(3)(a) or (b) and 40 CFR 60.752(b)(2)(iii)(A) or (B).

4. Pursuant to 40 CFR 60.752(b)(2)(iv), the Permittee shall operate the collection and control device installed in accordance with the provisions of 40 CFR 60.753, 60.755 and 60.756.

B. Pursuant to 40 CFR 60.1(a), the Permittee must comply with the applicable General Provisions in 40 CFR 60.1 through 60.19 (See Condition 7.2(a)).

ii. **Compliance Method (NMOC Requirements)**

Testing

A. I. Pursuant to 40 CFR 60.754(a)(1), the Permittee shall calculate the NMOC emission rate using either the equation provided in 40 CFR 60.754(a)(1)(i) or the equation provided in 40 CFR 60.754(a)(1)(ii). Both equations may be used if the actual year-to-year solid waste acceptance rate is known, as specified in 40 CFR 60.754(a)(1)(i), for part of the life of the landfill and the actual year-to-year solid waste acceptance rate is unknown, as specified in 40 CFR 60.754(a)(1)(ii), for part of the life of the landfill. The values to be used in both equations are 0.05 per year for k and 170 cubic meters per megagram for L_o.

II. Pursuant to 40 CFR 60.754(a)(3), the Permittee shall determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the following sampling procedure. The Permittee shall install at least two sample probes per hectare of landfill surface that has retained waste for at least 2 years. If the landfill is larger than 25 hectares in area, only 50 samples are required. The sample probes should be located to avoid known areas of nondegradable solid waste. The Permittee shall collect and analyze one sample of landfill gas from each probe to determine the NMOC concentration using RM 25 or 25C of Appendix A of 40 CFR Part 60. RM 18 of Appendix A of 40 CFR Part 60 may be used to analyze the samples collected by the RM 25 or 25C sampling procedure. Taking composite samples from different probes into a single cylinder is allowed; however, equal sample volumes must be taken from each probe. For each composite, the sampling rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal. Composite sample volumes should not be less than one liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where

measurement accuracy diminishes. If using RM 18, the Permittee must identify all compounds in the sample and, as a minimum, test for those compounds published in the most recent Compilation of Air Pollutant Emission Factors (AP-42), minus carbon monoxide, hydrogen sulfide, and mercury. As a minimum, the instrument must be calibrated for each of the compounds on the list. Convert the concentration of each Method 18 compound to CNMOC as hexane by multiplying by the ratio of its carbon atoms divided by six. If more than the required number of samples are taken, all samples must be used in the analysis. The Permittee must divide the NMOC concentration from RM 25 or 25C of Appendix A of 40 CFR Part 60 by six to convert from CNMOC as carbon to CNMOC as hexane. If the landfill has an active or passive gas removal system in place, RM 25 or 25C samples may be collected from these systems instead of surface probes provided the removal system can be shown to provide sampling as representative as the two sampling probe per hectare requirement. For active collection systems, samples may be collected from the common header pipe before the gas moving or condensate removal equipment. For these systems, a minimum of three samples must be collected from the header pipe.

1. Pursuant to 40 CFR 60.754(a)(3)(i), the Permittee shall recalculate the NMOC mass emission rate using the equations provided in 40 CFR 60.754(a)(1)(i) or (a)(1)(ii) and using the average NMOC concentration from the collected samples instead of the default value in the equation provided in 40 CFR 60.754(a)(1).

2. Pursuant to 40 CFR 60.754(a)(3)(ii), if the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the Permittee shall either comply with Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.752(b)(2), or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the procedure specified in Condition 4.1.2(a)(ii)(A)(III) and 40 CFR 60.754(a)(4).

3. Pursuant to 40 CFR 60.754(a)(3)(iii), if the resulting NMOC mass emission rate is less than 50 megagrams per year, the Permittee shall submit a periodic estimate of the emission rate report as provided in Condition 4.1.5(b)(i)(A) and 40 60.757(b)(1) and retest the site-specific NMOC concentration every 5 years using the methods specified in this section.

III. Pursuant to 40 CFR 60.754(a)(4), the site-specific methane generation rate constant shall be determined using the procedures provided in Method 2E of Appendix A of 40 CFR 60. The Permittee shall estimate the NMOC mass emission rate using equations in 40 CFR 60.754(a)(1)(i) or (a)(1)(ii) and using a site-specific methane generation rate constant k, and the site-specific NMOC concentration as determined in Condition 4.1.2(a)(ii)(A)(II) and 40 CFR 60.754(a)(3) instead of the default values provided in 40 CFR 60.754(a)(1). The Permittee shall compare the resulting NMOC mass emission rate to the standard of 50 megagrams per year.

1. Pursuant to 40 CFR 60.754(a)(4)(i), if the NMOC mass emission rate as calculated using the site-specific methane generation rate and concentration of NMOC is equal to or greater than 50 megagrams per year, the Permittee shall

comply with Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.752(b)(2).

2. Pursuant to 40 CFR 60.754(a)(4)(ii), if the NMOC mass emission rate is less than 50 megagrams per year, then the Permittee shall submit a periodic emission rate report as provided in Condition 4.1.5(b)(i)(A) and 40 60.757(b)(1) and shall recalculate the NMOC mass emission rate annually, as provided in Condition 4.1.5(b)(i)(A) and 40 60.757(b)(1) using the equations in 40 CFR 60.754(a)(1) and using the site-specific methane generation rate constant and NMOC concentration obtained in with Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.754(a)(3) of this section. The calculation of the methane generation rate constant is performed only once, and the value obtained from this test shall be used in all subsequent annual NMOC emission rate calculations.

Recordkeeping

General Records

B. I. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep readily accessible, on-site records of the items listed below. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

1. Sampling and analysis activity, including measured data, documentation for the sampling and analysis activities, and supporting documentation and calculations used to determine the site-specific NMOC emission rate(s) and/or methane generation rate constant(s) (k) pursuant Condition 4.1.2(a)(ii)(A) and 40 CFR 60.754(a)(3), (4), and/or (5).

2. Copies of all reports required in Condition 4.1.5(b)(i)(A)(II) and 40 CFR 60.757(b)(1)(ii).

3. Copies of USEPA and/or Illinois EPA correspondence approving alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of 40 CFR 60.753 through 60.758 allowed under Condition 4.1.2(a)(i)(A)(II)(1)(b) and (d) and 40 CFR 60.752(b)(2)(i)(B).

4. Waste Acceptance

Copies of all waste acceptance records required to be maintained under 35 IAC Subtitle G (i.e., daily, monthly, and/or quarterly solid waste records and summaries). At a minimum these records shall include:

(a) Monthly records of the amount of waste accepted;

(b) The year-by-year waste acceptance rate;

(c) The total amount of waste in-place; and

5. An inspection maintenance and repair log, for the affected landfill, listing each activity performed with date. This requirement includes any landfill cover integrity inspections and/or repair.

NSPS Records

II. Pursuant to 40 CFR 60.758(a), the Permittee shall keep up-to-date, readily accessible, on-site records of the design capacity report which triggered Condition 4.1.2(a)(i)(A) and 40 CFR 60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

b. i. Asbestos

A. I. Pursuant to 40 CFR 61.151, the Permittee shall operate any inactive waste disposal site, as defined in 40 CFR 61.141, that has received deposits of asbestos-containing waste material (ACWM) as follows:

1. Comply with one of the following:

(a) Pursuant to 40 CFR 61.151(a)(1), either discharge no visible emissions to the outside air from an inactive waste disposal site subject to 40 CFR 61.151; or

(b) Pursuant to 40 CFR 61.151(a)(2), cover the ACWM with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, and grow and maintain a cover of vegetation on the area adequate to prevent exposure of the ACWM; or

(c) Pursuant to 40 CFR 61.151(a)(3), cover the asbestos-containing waste material with at least 60 centimeters (2 feet) of compacted nonasbestos-containing material, and maintain it to prevent exposure of the asbestos-containing waste; or

(d) Pursuant to 40 CFR 61.151(a)(4), for inactive waste disposal sites for asbestos tailings, a resinous or petroleum-based dust suppression agent that effectively binds dust to control surface air emissions may be used instead of the methods listed above and in 40 CFR 61.151(a) (1), (2), and (3). Use the agent in the manner and frequency recommended for the particular asbestos tailings by the manufacturer of the dust suppression agent to achieve and maintain dust control. Obtain prior written approval of the Illinois EPA Compliance Section or USEPA to use other equally effective dust suppression agents. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

2. Pursuant to 40 CFR 61.151(b), unless a natural barrier adequately deters access by the general public, install and maintain warning signs and fencing as required in 40 CFR 61.151(b), or comply with 40 CFR 61.151(a)(2) or (a)(3).

3. Pursuant to 40 CFR 61.151(c), the Permittee may use an alternative control method that has received prior approval of the Illinois EPA or USEPA rather than comply with the requirements of 40 CFR 61.151(a) or (b).

4. Pursuant to 40 CFR 61.151(e), within 60 days of a site becoming inactive, record, in accordance with State law, a notation on the deed to the facility property and on any other instrument that would normally be examined during a title search; this notation will in perpetuity notify any potential purchaser of the property that:

   (a) The land has been used for the disposal of asbestos-containing waste material;

   (b) The survey plot and record of the location and quantity of asbestos-containing waste disposed of within the disposal site required in 40 CFR 40 CFR 61.154(f) have been filed with the Administrator; and

   (c) The site is subject to 40 CFR Part 61, Subpart M.

II. Pursuant to 40 CFR 61.154, the Permittee shall operate any active waste disposal site that receives ACWM as follows:

1. Pursuant to 40 CFR 61.154(a), either there must be no visible emissions to the outside air from any active waste disposal site where ACWM has been deposited, or the requirements of 40 CFR 61.154(c) or (d) must be met.

2. Pursuant to 40 CFR 61.154(b), unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as shown in 40 CFR 61.154(b), or the requirements of 40 CFR 61.154(c)(1) must be met.

3. Pursuant to 40 CFR 61.154(c), rather than meet the no visible emission requirement of 40 CFR 61.154(a), 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) Pursuant to 40 CFR 61.154(c)(1), be covered with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, or

   (b) Pursuant to 40 CFR 61.154(c)(2), 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 Illinois EPA or USEPA. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

4. Pursuant to 40 CFR 61.154(d), rather than meet the no visible emission requirement of 40 CFR 61.154(a), use an alternative emissions control method that has received prior written approval by the Illinois EPA or USEPA according to the procedures described in 40 CFR 61.149(c)(2).

5. Pursuant to 40 CFR 61.154(g), upon closure of the active waste disposal site, the Permittee shall comply with all the provisions of 40 CFR 61.151.

ii. Compliance Method (Asbestos Requirements)

Monitoring

A. Pursuant to Sections 39.5(7)(b) and (d) of the Act, the Permittee shall perform a monthly inspection on all inactive and active ACWM disposal sites at the source to demonstrate compliance with the visible emissions and/or cover requirements of Condition 4.1.2(b)(i)(A) and 40 CFR 61.151(a) and 61.154(c). If the cover at the site is not in compliance with the ACWM cover requirements, pursuant to Condition 4.1.2(b)(i)(A) and 40 CFR 61.151(a) and 61.154(c), or if ACWM is exposed, the Permittee shall either monitor for visible emissions using USEPA RM 22 or take corrective action within 4 hours of the observation of exposed ACWM, in accordance with the cover and or control requirements Condition 4.1.2(b)(i)(A) and 40 CFR 61.151(a) and 61.154(c), as applicable. All inspections and/or corrective actions and data as per RM 22 must be documented.

Recordkeeping

B. I. Pursuant to 40 CFR 61.154(e), for all asbestos-containing waste material received, the Permittee shall:

1. Pursuant to 40 CFR 61.154(e)(1), maintain waste shipment records, using a form similar to that shown in Figure 4 of 40 CFR 61 Subpart M, and include the following information:

(a) The name, address, and telephone number of the waste generator.

(b) The name, address, and telephone number of the transporter(s).

(c) The quantity of the ACWM in cubic meters (cubic yards).

(d) 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 Illinois EPA Compliance Section, 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.

(e) The date of the receipt.

2. Pursuant to 40 CFR 61.154(e)(2), 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.

3. Pursuant to 40 CFR 61.154(e)(3), 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 Illinois EPA Compliance Section. Describe

the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

II. Pursuant to 40 CFR 61.154(f), 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.

III. Pursuant to Sections 39.5(7)(b) and (e) of the Act, the Permittee shall collect and maintain the records of the inspections and/or corrective actions and data as per RM 22 required pursuant to Condition 4.1.2(b)(ii)(A).

3. Non-Applicability Determinations

a. The MSW landfill is not subject to 35 IAC 220, "Nonmethane Organic Compounds", because, pursuant to 35 IAC 220.200(b), any MSW landfill that commenced construction, reconstruction, or modification on or after May 30, 1991, is subject to the requirements of 40 CFR 60, Subpart WWW, in lieu of the requirements of 35 IAC 220.

b. The MSW landfill and fugitive PM operations are not subject to 35 IAC 212.321 or 212.322. Due to the unique nature of the unit(s), a process weight rate cannot be set so that such rules cannot reasonably be applied, pursuant to 35 IAC 212.323.

c. The MSW landfill is not subject to 40 CFR Part 64, "Compliance Assurance Monitoring (CAM) for Major Stationary Sources", because the MSW landfill does not use an add-on control device to achieve compliance with an emission limitation or standard.

d. The MSW landfill is not subject to 40 CFR Part 63, Subpart AAAA, "National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills", because the MSW landfill does not meet the applicability criteria in 40 CFR 63.1935, i.e., the MSW landfill is not a major source of emissions nor is it collocated with a major source as defined in 40 CFR 63.2 of Subpart A, respectively, and estimated uncontrolled emissions of NMOC are less than 50 megagrams per year (Mg/yr) as calculated according in Condition 4.1.2(a)(ii)(A) and 40 CFR 60.754(a).

4. Other Requirements

As of the date of issuance of this permit, there are no other requirements that need to be included in this Condition.

5. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 2.

a. <u>Prompt Reporting</u>

i. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement.

ii. The deviation reports shall contain at a minimum the following information:

A. Date and time of the deviation.

B. Emission unit(s) and/or operation involved.

C. The duration of the event.

D. Probable cause of the deviation.

E. Corrective actions or preventative measures taken.

iii. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.6(b).

b. Federal Reporting

i. Pursuant to 40 CFR 60.757(b), the Permittee shall submit an NMOC emission rate report to the Illinois EPA BOA Compliance Section annually thereafter, except as provided for in Condition 4.1.5(b)(i)(A)(II) and 40 CFR 60.757(b)(1)(ii) of this section. The Illinois EPA may request such additional information as may be necessary to verify the reported NMOC emission rate.

A. Pursuant to 40 CFR 60.757(b)(1), the NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in Condition 4.1.2(a)(ii)(A) and 40 CFR 60.754(a), as applicable.

I. Pursuant to 40 CFR 60.757(b)(1)(i), an NMOC emission rate report shall be submitted annually, except as provided for in Condition 4.1.5(b)(i)(A)(II) and 40 CFR 60.757(b)(1)(ii) of this section.

II. Pursuant to 40 CFR 60.757(b)(1)(ii), if the estimated NMOC emission rate as reported in the annual report to the Illinois EPA BOA Compliance Section is less than 50 megagrams per year in each of the next 5 consecutive years, the Permittee 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 shall 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 shall be provided to the Illinois EPA BOA Compliance Section. This estimate shall 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 shall be submitted to the Illinois EPA BOA Compliance Section. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

B. Pursuant to 40 CFR 60.757(b)(2), the NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.

C. Pursuant to 40 CFR 60.757(b)(3), the Permittee is exempted from the requirements of Condition 4.1.5(b)(i)(A) and (B) and 40 CFR 60.757(b)(1) and (2) of this section, after the installation of a collection and control system in compliance with Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR 60.753 and 60.755.

D. Pursuant to 40 CFR 60.757(c), upon becoming subject to the provisions of Condition 4.1.2(a)(i)(A)(II) and 40 CFR 60.752(b)(2)(i) the Permittee shall submit a collection and control system design plan to the Illinois EPA BOA Permit Section within 1 year of the first report required under Condition 4.1.5(b)(i) and 40 CFR 60.757(b) of this section in which the emission rate equals or exceeds 50 megagrams per year, except as follows:

I. Pursuant to 40 CFR 60.757(c)(1), if the Permittee elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and

analysis as provided in Condition 4.1.2(a)(ii)(A)(II) and 40 60.754(a)(3) and the resulting rate is less than 50 megagrams per year, annual periodic reporting shall be resumed, using the Tier 2 determined site-specific NMOC concentration, until the calculated emission rate is equal to or greater than 50 megagrams per year or the landfill is closed. The revised NMOC emission rate report, with the recalculated emission rate based on NMOC sampling and analysis, shall be submitted within 180 days of the first calculated exceedance of 50 megagrams per year.

II. Pursuant to 40 CFR 60.757(c)(2), if the Permittee elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in Condition 4.1.2(a)(ii)(A)(III) and 40 CFR 60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emissions rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of Condition 4.1.2(a)(ii)(A)(III) and 40 CFR 60.754(a)(4) and the resulting site-specific methane generation rate constant (k) shall be submitted to the Illinois EPA BOA Compliance Section within 1 year of the first calculated emission rate exceeding 50 megagrams per year.

E. Pursuant to 40 CFR 60.757(d), each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under §60.7(a)(4).

ii. A. Pursuant to 40 CFR 61.151(d) and 61.154(j), the Permittee shall notify the Illinois EPA Compliance Section 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 covered as per the requirements Condition 4.1.2(b) and 40 CFR 61.151 or 61.154, and follow the procedures specified in the notification. 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 Illinois EPA Compliance Section 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 the 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 Administrator may require changes in the emission control procedures to be used.

IV. Location of any temporary storage site and the final disposal site.

B. Pursuant to 40 CFR 61.154(e)(1)(iv), the Permittee shall report in writing to the Illinois EPA Compliance Section, 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, required in Condition 4.1.2(b)(ii)(B) and 40 CFR 61.154(e), along with the report.

C. Pursuant to 40 CFR 61.154(e)(3), if the discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received is not resolved within 15 days after receiving the waste, as per Condition 4.1.2(b)(ii)(B)(I)(3) and 40 CFR 61.154(e)(3), the Permittee shall immediately report in writing to the Illinois EPA Compliance Section. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record, required in Condition 4.1.2(b)(ii)(B) and 40 CFR 61.154(e), along with the report.

D. Pursuant to 40 CFR 61.154(h), the Permittee shall submit to the Illinois EPA Compliance Section, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities, required in Condition 4.1.2(b)(ii)(B) and 40 CFR 61.154(f).

Section 5 - Additional Title I Requirements

1. Construction Permits

a. Construction Permit #13110005 [T1]

i. Emission Units and Operations

Section	*Emission Units*	*Pollutants Being Regulated*
4.1	MSW Landfill - Passive Flares	Opacity, PM/PM_{10}, NO_x, CO, SO_2, and NMOC

ii. Applicable Requirements

In addition to the requirements in Section 4 of this permit for the emission units in Condition 5.1(a)(i) above, the Permittee shall comply with the following applicable requirements pursuant to Sections 39.5(7)(a), 39.5(7)(b), and 39.5(7)(d) of the Act.

A. I. Pursuant to Construction Permit #13110005, until Sumner Landfill is subject to the control requirements of the Landfill NSPS, each flare shall be operated in accordance with good air pollution control practices for effective control of LFG, including:[T1]

1. The flare shall be designed to be able to readily comply with applicable requirements of 40 CFR 60.18 and 60.754, when they become applicable and if the Permittee decides to use affected flare as an NSPS control device.

2. The flare shall be equipped and operated with device(s), which ensure the presence of the flame when LFG being vented to the flare. For this purpose, the flare may be equipped with a continuous sparking device in conjunction with the routine inspection of the flare by the Permittee to ensure proper functioning of this device.

3. The flare shall be designed for and operated with no visible emissions as determined by USEPA Method 22, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

4. The flare shall be operated and maintained in conformance with the manufacturer's design specifications.

II. Pursuant to Construction Permit #13110005, when Sumner Landfill becomes subject to the control requirements of the NSPS, 40 CFR 60 Subpart WWW, and if the Permittee decides to use affected flares as NSPS control devices:[T1]

1. Each flare shall be operated in accordance with 40 CFR 60.18 and 60.754, including:

(a). There shall not be visible emissions from the flare, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, pursuant to 40 CFR 60.18(c)(1).

(b). The flare shall be operated with a flame present at all times while landfill gases are being vented to it, as

determined by the methods specified in 40 CFR 60.18(f)(2).

(c). The flare shall be used only with the net heating value of the gas being combusted being 7.45 MJ/scm (200 Btu/scf) or greater. The net heating value of the gas being combusted shall be determined by the methods specified in 40 CFR 60.18(f)(3) and 60.754, or, by other methods approved by the USEPA pursuant to 40 CFR 60.8(b)(2) or (b)(3).

(d). The flare shall be designed and operated with an exit velocity less than the maximum allowable velocity, V_{max}, as determined by the method specified in 40 CFR 60.18(f)(6) and 60.754, or, by other methods approved by the USEPA pursuant to 40 CFR 60.8(b)(2) or (b)(3).

(e). The flare shall be operated at all times when LFG being vented to it.

(f). The Permittee shall install, maintain, and operate equipment for the flare to monitor flare pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame.

2. Pursuant to 40 CFR 60.756(c)(1), the Permittee shall install, calibrate, maintain, and operate a heat sensing device for each affected flare, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate the continuous presence of a flame, in accordance with the manufacturing specifications.

3. Pursuant to 40 CFR 60.756(c)(2), the Permittee shall either, install, calibrate, maintain, and operate a gas flow rate measuring device for each affected flare that records flow to the flare at least every 15 minutes or secure the bypass line valve for the flare in the closed position with a car-seal or lock-and-key configuration to ensure that the gas flow is not diverted through the bypass line, or, implement other alternative monitoring approved by the USEPA pursuant to 40 CFR 60.13(i).

III. Pursuant to Construction Permit #13110005, the Permittee shall, in accordance with the manufacturer's and/or vendor's recommendations, perform periodic maintenance on the flares such that the flares be kept in proper working condition and not cause a violation of the Environmental Protection Act or regulations promulgated therein. [T1]

IV. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, except as allowed by 35 IAC 212.123(b) and 212.124.

Compliance Method

V. 1. Pursuant to Construction Permit #13110005, the Permittee shall conduct observation for visible emissions from each flare to verify compliance with the requirement of Condition 5.1(a)(ii)(A)(I)(3) operation of each flare. These observations shall be conducted in accordance with USEPA Method 22, except that observation may be discontinued if visible emissions are not present for more than 30 seconds during the

first 15 minutes of observations. For each flare, the observation shall be conducted, at least, on an annual basis.[T1]

VI. 1. Pursuant to Construction Permit #13110005, within 180 days of the date when actual or reported annual nonmethane organic compounds (NMOC) emission rate equals or exceeds 50 Mg/year, the Permittee shall conduct testing for visible emissions in accordance with the NSPS to verify compliance with 40 CFR 60.18(c)(1). Thereafter, these observations shall be repeated, at least, on an annual basis.[T1]

2. Pursuant to Construction Permit #13110005, the Permittee shall conduct sampling for the composition of LFG collected from the source and burned in the flares. The samples shall be analyzed for sulfur and NMOC content (ppmv), and net heat content (Btu/cubic foot) of the LFG.[T1]

3. Pursuant to Construction Permit #13110005, sampling and analysis of the LFG shall be conducted for all parameters as part of the testing of the flares required by Condition 5.1(a)(ii)(A)(VI)(2). For this purpose, composite samples of LFG may be analyzed, unless analysis of individual sample(s) is requested by the Illinois EPA. The sampling and analysis shall be repeated, at least, on an annual basis.[T1]

4. Pursuant to Construction Permit #13110005, the Illinois EPA shall be notified prior to the observations in Condition 5.1(a)(ii)(A)(V) and (VI)(1) to enable the Illinois EPA to observe these measurements. Notification of the expected date of the measurements shall be submitted to a minimum of 15 days prior to the expected date. Notification of the actual date and expected time of measurement shall be submitted a minimum of 3 working days prior to the actual date of the measurement. The Illinois EPA may, at its discretion, accept notification with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe the measurements.[T1]

VII. 1. Pursuant to Construction Permit #13110005, the Permittee shall keep records of sampling and analysis activity required in Condition 5.1(a)(ii)(A)(VI)(2) and (3), including both collected data and documentation for the sampling and analysis activities.[T1]

2. Pursuant to Construction Permit #13110005, the Permittee shall keep the following records for the each flare:[T1]

(a) A file containing the design specifications for the affected flare including design capacity, scfm, and a demonstration that the flare is designed to readily comply or does comply with applicable operating requirements of 40 CFR 60.18 and 40 CFR 60.754(e) (i.e., gas exit velocity).

(b) An operating log which shall include the following:

(i) Status of the flare.

(ii) Adjustments of flare's operating parameters.

(iii) Identification of any period when the flare was to be in service but was out of service with a detailed explanation of the cause and an explanation of actions taken to prevent or reduce the likelihood of future occurrences.

(c) An inspection and maintenance log which shall include the following:

(i). Date of inspection and observed condition of the flare.

(ii). Date and description of maintenance performed.

3. Pursuant to 39.5(7)(b) and (e) of the Act, the Permittee shall collect and maintain the following records of the visible emissions observations required by Condition 5.1(a)(ii)(A)(V)(1). These records shall include the following copies of all field data sheets as per RM 22 which includes but is not limited to the following:

(a) Date and time the observations were performed;

(b) Name(s) of observing personnel and their affiliation;

(c) The total elapsed time for each observation, i.e., the observation period, pursuant to the method used;

(d) Identification of the equipment which was observed; and

(e) The findings of the observation including the presence of any visible emissions or the percentage of opacity;

B. I. Pursuant to Construction Permit #13110005, total emissions from the flares shall not exceed the following limits.[T1]

	Emissions	
Pollutant	(Lbs/Hour)	(Tons/Year)
NO_x	0.5	2.0
CO	1.7	7.5

II. 1. (a) Pursuant to Construction Permit #13110005, emission of volatile organic material (VOM) and other PSD pollutants other than greenhouse gases (GHG) from the source shall each not exceed 45 pounds per hour and 200 tons per year.

(b) Pursuant to Construction Permit #13110005, GHG emissions as CO_2e (excluding biogenic CO_2) from the flares shall not exceed 150 tons per year.[T1]

2. Pursuant to Construction Permit #13110005, emissions from the source of individual HAP and total HAPs shall not exceed 1.8 pounds/hour and 8 tons/year, and 4.5 pounds/hour and 20 tons/year, respectively.[T1]

III. Pursuant to 35 IAC 214.301, the Permittee shall not cause or allow the emission of sulfur dioxide into the atmosphere from the affected flares to exceed 2000 ppm.

Compliance Method

IV. Pursuant to Section 39.5(7)(b) of the Act, compliance with annual limits shall be determined on a monthly basis from a running total of 12 months of data (the sum of the data for the current month plus the preceding 11 months).

V. Pursuant to Sections 39.5(7)(b), (c) and (d) of the Act and Construction Permit #13110005, the Permittee shall demonstrate compliance with the limitations in Condition 5.1(a)(ii)(B)(III) based on the flare's maximum operating capacity and LFG Chemical and Physical Composition data required in Condition 5.1(a)(ii)(A)(VI)(2), and calculations of the maximum possible SO_2 concentration and mass (lb/hr and ton/yr) that can be emitted, assuming stoichiometric combustion, i.e., 0% excess air and 100% conversion of total reduced sulfur (TRS) to SO_2.

VI. Pursuant to Construction Permit #13110005, emissions shall be determined using appropriate emission factors which in order of preference shall be factors from on-site emission data, manufacturer's emission data, and emission factors from USEPA's Compilation of Air Pollutant Emission Factors. [T1]

VII. Pursuant to Construction Permit #13110005 and Sections 39.5(7)(b) and (e) of the Act, the Permittee shall keep the following records related to emissions of the flares and the source:

1. Hourly emission rates used for calculating emissions of each emission unit at the source, with supporting documentation.

2. Records of emissions of NO_x and CO from the flares (tons/month and tons/year), with supporting calculations.

3. Records of emissions of NO_x, CO, PM/PM_{10}, SO_2, VOM/NMOC, and HAPs from the source (tons/month and tons/year), compiled on a quarterly basis, with supporting emission calculations and documentation for the emission factors and the efficiency of the control measures being relied upon by the Permittee.

4. Log of sampling and analysis activity as required in Condition 5.1(a)(ii)(A)(VI)(2) and (3), including measured data, documentation for the sampling and analysis activities, and supporting documentation and calculations for the sulfur content and all other applicable parameters content of LFG on an hourly basis.

b. Reporting Requirements

The Permittee shall submit the following information pursuant to Section 39.5(7)(f) of the Act. Addresses are included in Attachment 2.

i. Prompt Reporting

A. I. Pursuant to Section 39.5(7)(f)(ii) of the Act, the Permittee shall promptly notify the IEPA, Air Compliance Section, within 30 days of deviations from applicable requirements as follows unless a different period is specified by a particular permit provision, i.e., NSPS or NESHAP requirement:

Requirements in Conditions 5.1(a)(ii)(A), and 5.1(a)(ii)(B).

II. All such deviations shall be summarized and reported as part of the Semiannual Monitoring Report required by Condition 3.6(b).

B. The Permittee shall notify the IEPA, Air Compliance Section, of all other deviations as part of the Semiannual Monitoring Reports required by Condition 3.6(b).

C. The deviation reports shall contain at a minimum the following information:

I. Date and time of the deviation.

II. Emission unit(s) and/or operation involved.

III. The duration of the event.

IV. Probable cause of the deviation.

V. Corrective actions or preventative measures taken.

Section 6 - Insignificant Activities Requirements

1. Insignificant Activities Subject to Specific Regulations

This condition is reserved for insignificant activities, as defined in 35 IAC 201.210 and 201.211, which are subject to specific standards promulgated pursuant Sections 111, 112, 165, or 173 of the Clean Air Act, see Sections 9.1(d) and 39.5(6)(a) of the Act. As of the date of issuance of this permit, there are no such insignificant activities present at the source.

2. Insignificant Activities in 35 IAC 201.210(a)

In addition to any insignificant activities identified in Condition 6.1, the following additional activities at the source constitute insignificant activities pursuant to 35 IAC 201.210 and 201.211:

Insignificant Activity	*Number of Units*	*Insignificant Activity Category*
1 - 54,000 gallon leachate storage tank	3	35 IAC 201.210(a)(1) and 201.211
Storage tanks < 10,000 gallon with annual throughput < 100,000 gallon (not storing gasoline or any material listed as a HAP). 1 - 2,500 gallon diesel tank 1 - 1,000 gallon diesel tank 1 - 500 gallon used oil tank	3	35 IAC 201.210(a)(10)
Storage tanks of virgin or rerefined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oil. 1 - 500 gallon motor oil tank 1 - 500 gallon hydraulic oil tank	2	35 IAC 201.210(a)(11)
Direct combustion units used for comfort heating and fuel combustion emission units as further detailed in 35 IAC 201.210(a)(4). 1 - 150,000 Btu/hr propane comfort heater 1 - 70,000 Btu/hr propane comfort heater	2	35 IAC 201.210(a)(4)
Coating operations (excluding powder, architectural, and industrial maintenance coating) with VOM usage < 15 lbs/day from all coating lines (including VOM from coating, dilutents, and cleaning materials). Spray Painting of Containers (No HAPs - Airless sprayer)	1	35 IAC 201.210(a)(13)

3. Insignificant Activities in 35 IAC 201.210(b)

Pursuant to 35 IAC 201.210, the source has identified insignificant activities as listed in 35 IAC 201.210(b)(1) through (28) as being present at the source. The source is not required to individually list the activities.

4. Applicable Requirements

Insignificant activities in Conditions 6.1 and 6.2 are subject to the following general regulatory limits notwithstanding status as insignificant activities. The Permittee shall comply with the following requirements, as applicable:

a. Pursuant to 35 IAC 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 IAC 212.122, except as provided in 35 IAC 212.123(b).

b. Pursuant to 35 IAC 215.301, no person shall cause or allow the discharge of more than 8 lbs/hr of organic material into the atmosphere from any emission source, except as provided in 35 IAC 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 IAC 215 Subpart K shall apply only to photochemically reactive material.

5. Compliance Method

Pursuant to Section 39.5(7)(b) of the Act, the source shall maintain records of the following items for the insignificant activities in Conditions 6.1 and 6.2:

a. List of all insignificant activities, including insignificant activities added as specified in Condition 6.6, the categories the insignificant activities fall under, and supporting calculations as needed for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

b. Potential to emit emission calculations before any air pollution control device for any insignificant activities listed in 35 IAC 201.210(a)(1) through (3).

6. Notification Requirements for Insignificant Activities

The source shall notify the IEPA accordingly to the addition of insignificant activities:

a. **Notification 7 Days in Advance**

i. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(1) and 201.211 and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 2. The notification shall include the following pursuant to 35 IAC 201.211(b):

A. A description of the emission unit including the function and expected operating schedule of the unit.

B. A description of any air pollution control equipment or control measures associated with the emission unit.

C. The emissions of regulated air pollutants in lb/hr and ton/yr.

D. The means by which emissions were determined or estimated.

E. The estimated number of such emission units at the source.

F. Other information upon which the applicant relies to support treatment of such emission unit as an insignificant activity.

ii. Pursuant to 35 IAC 201.212(b), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a)(2) through 201.210(a)(18) and is not currently identified in Conditions 6.1 or 6.2, a notification to the IEPA Permit Section 7 days in advance of the addition of the insignificant activity is required. Addresses are included in Attachment 2.

iii. Pursuant to Sections 39.5(12)(a)(i)(b) and 39.5(12)(b)(iii) of the Act, the permit shield described in Section 39.5(7)(j) of the Act (see Condition 2.7) shall not apply to any addition of an insignificant activity noted above.

b. **Notification Required at Renewal**

Pursuant to 35 IAC 201.212(a) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(a) and is currently identified in Conditions 6.1 or 6.2, a notification is not required until the renewal of this permit.

c. **Notification Not Required**

Pursuant to 35 IAC 201.212(c) and 35 IAC 201.146(kkk), for the addition of an insignificant activity that would be categorized under 35 IAC 201.210(b) as describe in Condition 6.3, a notification is not required.

Section 7 - Other Requirements

1. Testing

a. Pursuant to Section 39.5(7)(a) of the Act, a written test protocol shall be submitted at least sixty (60) days prior to the actual date of testing, unless it is required otherwise in applicable state or federal statutes. The IEPA may at the discretion of the Compliance Section Manager (or designee) accept protocol less than 60 days prior to testing provided it does not interfere with the IEPA's ability to review and comment on the protocol and does not deviate from the applicable state or federal statutes. The protocol shall be submitted to the IEPA, Compliance Section and IEPA, Stack Test Specialist for its review. Addresses are included in Attachment 2. This protocol shall describe the specific procedures for testing, including as a minimum:

i. The name and identification of the emission unit(s) being tested.

ii. Purpose of the test, i.e., permit condition requirement, IEPA or USEPA requesting test.

iii. The person(s) who will be performing sampling and analysis and their experience with similar tests.

iv. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the emission unit and any control equipment will be determined.

v. The specific determinations of emissions and operation which are intended to be made, including sampling and monitoring locations.

vi. The test method(s) that will be used, with the specific analysis method, if the method can be used with different analysis methods. Include if emission tests averaging of 35 IAC 283 will be used.

vii. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.

viii. Any proposed use of an alternative test method, with detailed justification. This shall be included as a waiver of the test procedures. If a waiver has already been obtained by the IEPA or USEPA, then the waiver shall be submitted.

ix. Sampling of materials, QA/QC procedures, inspections, etc.

b. The IEPA, Compliance Section shall be notified prior to these tests to enable the IEPA to observe these tests pursuant to Section 39.7(a) of the Act as follows:

i. Notification of the expected date of testing shall be submitted in writing a minimum of thirty (30) days prior to the expected test date, unless it is required otherwise in applicable state or federal statutes.

ii. Notification of the actual date and expected time of testing shall be submitted in writing a minimum of five (5) working days prior to the actual date of the test. The IEPA may at its discretion of the Compliance Section Manager (or designee) accept notifications with shorter advance notice provided such notifications will not interfere with the IEPA's ability to observe testing.

c. Copies of the Final Report(s) for these tests shall be submitted to the IEPA, Compliance Section within fourteen (14) days after the test results are compiled and finalized but no later than ninety (90) days after completion of the test, unless it is required otherwise in applicable state or federal statutes or the IEPA may at the discretion of

the Compliance Section Manager (or designee) an alternative date is agreed upon in advance pursuant to Section 39.7(a) of the Act. The Final Report shall include as a minimum:

i. General information including emission unit(s) tested.

ii. A summary of results.

iii. Discussion of conditions during each test run (malfunction/breakdown, startup/shutdown, abnormal processing, etc.).

iv. Description of test method(s), including description of sampling points, sampling train, analysis equipment, and test schedule.

v. Detailed description of test conditions, including:

A. Process information, i.e., mode(s) of operation, process rate, e.g. fuel or raw material consumption.

B. Control equipment information, i.e., equipment condition and operating parameters during testing.

C. A discussion of any preparatory actions taken, i.e., inspections, maintenance and repair.

vi. Data and calculations, including copies of all raw data sheets and records of laboratory analyses, sample calculations, and data on equipment calibration.

vii. An explanation of any discrepancies among individual tests or anomalous data.

viii. Results of the sampling of materials, QA/QC procedures, inspections, etc.

ix. Discussion of whether protocol was followed and description of any changes to the protocol if any occurred.

x. Demonstration of compliance showing whether test results are in compliance with applicable state or federal statutes.

d. Copies of all test reports and other test related documentation shall be kept on site as required by Condition 2.5(b) pursuant to Section 39.5(7)(e)(ii) of the Act.

2. 40 CFR 60 Subpart A Requirements (NSPS)

a. 40 CFR 60 Subpart A and Subpart WWW-Standards of Performance for Municipal Solid Waste Landfills

Pursuant to 40 CFR 60 Subpart A and Subpart WWW, the Permittee shall comply with the following applicable General Provisions as indicated:

General Provision Citation	*Subject of Citation*	*Explanation (if required)*
60.1	General Applicability of the General Provisions	
60.2	Definitions	
60.3	Units and Abbreviations	
60.4	Address	
60.5	Determination of Construction or Modification	
60.6	Review of Plans	
60.7	Notification and Recordkeeping	
60.8	Performance Tests	
60.9	Availability of Information	
60.10	State Authority	
60.11	Compliance with Standards and Maintenance Requirements	
60.12	Circumvention	
60.13	Monitoring Requirements	
60.14	Modification	
60.15	Reconstruction	
60.16	Priority List	
60.17	Incorporations by Reference	
60.18	General Control Device Requirements and Work Practice Requirements	
60.19	General Notification and Reporting Requirements	

Section 8 - State Only Requirements

1. Permitted Emissions for Fees

The annual emissions from the source for purposes of "Duties to Pay Fees" of Condition 2.3(e), not considering insignificant activities as addressed by Section 6, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. The Permittee shall maintain records with supporting calculations of how the annual emissions for fee purposes were calculated. This Condition is set for the purpose of establishing fees and is not federally enforceable. See Section 39.5(18) of the Act.

Pollutant		*Tons/Year*
Volatile Organic Material	(VOM)	17.92
Sulfur Dioxide	(SO_2)	0.74
Particulate Matter	(PM)	5.8
Nitrogen Oxides	(NO_x)	1.89
HAP, not included in VOM or PM	(HAP)	4.0
Total		30.35

Attachment 1 - Acronyms and Abbreviations

acfm	Actual cubic feet per minute
ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment trading unit
BACT	Best Available Control Technology
BAT	Best Available Technology
Btu	British Thermal Units
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CISWI	Commercial Industrial Solid Waste Incinerator
CO	Carbon monoxide
CO_2	Carbon dioxide
COMS	Continuous Opacity Monitoring System
CPMS	Continuous Parameter Monitoring System
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emissions Reduction Market System
$^{\circ}F$	Degrees Fahrenheit
GHG	Green house gas
GACT	Generally Acceptable Control Technology
gr	Grains
HAP	Hazardous air pollutant
Hg	Mercury
HMIWI	Hospital medical infectious waste incinerator
hp	Horsepower
hr	Hour
H_2S	Hydrogen sulfide
I.D. No.	Identification number of source, assigned by IEPA
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
IEPA	Illinois Environmental Protection Agency
kw	Kilowatts
LAER	Lowest Achievable Emission Rate
LFG	Landfill gas
lbs	Pound

m	Meter
MACT	Maximum Achievable Control Technology
M	Thousand
MM	Million
mos	Month
MSDS	Material Safety Data Sheet
MSSCAM	Major Stationary Sources Construction and Modification (Non-attainment New Source Review)
MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen oxides
NSPS	New Source Performance Standards
NSR	New Source Review
PB	Lead
PEMS	Predictive Emissions Monitoring System
PM	Particulate matter
PM_{10}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
$PM_{2.5}$	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration
PSEU	Pollutant-Specific Emission Unit
psia	Pounds per square inch absolute
PTE	Potential to emit
RACT	Reasonable Available Control Technology
RM	Reference Method
RMP	Risk Management Plan
scf	Standard cubic feet
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO_2	Sulfur dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile organic material

Attachment 2 - Contact and Reporting Addresses

IEPA Compliance Section	Illinois EPA, Bureau of Air Compliance & Enforcement Section (MC 40) 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 Phone No.: 217/782-5811
IEPA Stack Test Specialist	Illinois EPA, Bureau of Air Compliance Section Source Monitoring - Third Floor 9511 Harrison Street Des Plaines, IL 60016 Phone No.: 847/294-4000
IEPA Air Quality Planning Section	Illinois EPA, Bureau of Air Air Quality Planning Section (MC 39) 1021 North Grand Avenue East P.O. Box 19276 Springfield, IL 62794-9276 Phone No.: 217/524-4343
IEPA Air Regional Field Operations Regional Office #3	Illinois EPA, Bureau of Air Regional Office #3 2009 Mall Street Collinsville, IL 62234 Phone No.: 618/346-5120
IEPA Permit Section	Illinois EPA, Bureau of Air Permit Section (MC 11) 1021 North Grand Avenue East P.O. Box 19506 Springfield, IL 62794-9506 Phone No.: 217/785-1705
USEPA Region 5 - Air Branch	USEPA (AR - 17J) Air and Radiation Division 77 West Jackson Boulevard Chicago, IL 60604 Phone No.: 312/353-2000

Attachment 3 - Example Certification by a Responsible Official

SIGNATURE BLOCK
NOTE: THIS CERTIFICATION MUST BE SIGNED BY A RESPONSIBLE OFFICIAL. APPLICATIONS WITHOUT A SIGNED CERTIFICATION WILL BE DEEMED AS INCOMPLETE.
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION CONTAINED IN THIS APPLICATION ARE TRUE, ACCURATE AND COMPLETE. ANY PERSON WHO KNOWINGLY MAKES A FALSE, FICTITIOUS, OR FRAUDULENT MATERIAL STATEMENT, ORALLY OR IN WRITING, TO THE ILLINOIS EPA COMMITS A CLASS 4 FELONY. A SECOND OR SUBSEQUENT OFFENSE AFTER CONVICTION IS A CLASS 3 FELONY. (415 ILCS 5/44(H)) AUTHORIZED SIGNATURE: BY: _____ _____ AUTHORIZED SIGNATURE — TITLE OF SIGNATORY _____ _____/_____/_____ TYPED OR PRINTED NAME OF SIGNATORY — DATE

Determining whether a source is subject to certain PM regulations

Definitions
UTM = Universal Transverse Mercator
UTMn = UTM northing
UTMe = UTM easting
NAA = non-attainment area
(as defined by 40 CFR 81.314)

Directions: Enter the latitude/longitude data below. The UTM coordinates will then be calculated and displayed automatically. The UTM coordinates are used to determine if the source is in a PM-10 non-attainment area or the area described in 35 IAC 212.324. If a source is in the Section 212.324 area, you should check 35 IAC Part 212 to determine which regulations apply to the source.

* Notes for column regarding applicability of Subpart K (fugitive PM regulations, Sections 212.304 through 212.312):

Class A: if the township is listed in 35 IAC 212.302
Class B: if the township is listed in 35 IAC 212.302 and source is not subject to Subpart S
Class C: if the operation is in the vicinity of Granite City

Source Location Data												
Source Name	ID Number	SIC Code	Location	---Latitude--- (deg)	(min)	(sec)	---Longitude--- (deg)	(min)	(sec)	UTMe (m)	UTMn (m)	
Sumner Landfill	101802AAF	4953	Sumner	38	42	40.05	87	48	14.69	430089	4284821	

Calculated Data			
In PM_{10} NAA? (Yes/No)	In 212.324 Area? (Yes/No)	Distance from 212.324 Area (miles)	Subject to Subpart K? (see note above)
No	No	124.1	No