

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

July 23, 2012

**PERMIT TO INSTALL  
108-12**

**ISSUED TO**  
Michigan Disposal Waste Treatment Plant

**LOCATED AT**  
49350 North I-94 Service Drive  
Belleville, Michigan

**IN THE COUNTY OF**  
Wayne

**STATE REGISTRATION NUMBER**  
M4782

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

**July 19, 2012**

DATE PERMIT TO INSTALL APPROVED:

**July 23, 2012**

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

**PERMIT TO INSTALL  
 Common Abbreviations / Acronyms**

<b>Common Acronyms</b>		<b>Pollutant / Measurement Abbreviations</b>	
AQD	Air Quality Division	BTU	British Thermal Unit
BACT	Best Available Control Technology	°C	Degrees Celsius
CAA	Clean Air Act	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
CO <sub>2e</sub>	Carbon Dioxide Equivalent	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H <sub>2</sub> S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
GHGs	Greenhouse Gases	kW	Kilowatt
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO <sub>x</sub>	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MSDS	Material Safety Data Sheet	PM10	PM less than 10 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	PM less than 2.5 microns diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute
PTI	Permit to Install	psig	Pounds per square inch gauge
RACT	Reasonably Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO <sub>2</sub>	Sulfur Dioxide
SCR	Selective Catalytic Reduction	THC	Total Hydrocarbons
SRN	State Registration Number	tpy	Tons per year
TAC	Toxic Air Contaminant	µg	Microgram
TEQ	Toxicity Equivalence Quotient	VOC	Volatile Organic Compound
VE	Visible Emissions	yr	Year

\* For High Volume Low Pressure (HVLP) applicators, the pressure measured at the HVLP gun air cap shall not exceed ten (10) pounds per square inch gauge (psig).

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
  
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
  
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

**SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Emission Unit ID</b>	<b>Emission Unit Description (Process Equipment &amp; Control Devices)</b>	<b>Installation Date / Modification Date</b>	<b>Flexible Group ID</b>
EUPUGMILL1	Pugmill 1, used to convey material to the east side waste treatment process, controlled by a baghouse dust collector, thermal oxidizer, and wet scrubber, in series.	7/1/91	FG_EAST FGTMTFACILITY
EUSLUDGETANK12	40,000 gallon sludge tank (Tank 12), located in the east side waste treatment building. Controlled by a baghouse dust collector, thermal oxidizer, and wet scrubber, in series.	7/1/91	FG_EAST FGTMTFACILITY
EUSTORAGETANK1	Waste storage and treatment tanks E, F, G, and H located in the east side waste treatment building. Controlled by a baghouse dust collector, thermal oxidizer, and wet scrubber, in series.	7/1/91-6/1/97	FG_EAST FGTMTFACILITY
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.			

**FLEXIBLE GROUP SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FG_EAST	East side waste treatment process consisting of pugmill1, sludge tank 12, and waste treatment tanks E, F, G, and H. Controlled by a baghouse dust collector, thermal oxidizer, and wet scrubber, in series.	EUPUGMILL1 EUSLUDGETANK12 EUSTORAGETANK1

**The following conditions apply to: FG EAST**

**DESCRIPTION:** East side waste treatment process consisting of pugmill1, sludge tank 12, and waste treatment tanks E, F, G and H.

**Emission Units:** EUPUGMILL1, EU SLUDGETANK12, EUSTORAGETANK1

**POLLUTION CONTROL EQUIPMENT:** Baghouse dust collector, thermal oxidizer and caustic wet scrubber, in series.

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC	22.85 lb/hr	Per SC V.1	FG_EAST	SC V.1, V.2, VI.1, VI.3, VI.6, VI.8	R 336.1225 R 336.1702(a)
2. VOC	47.52 tpy	12-month rolling time period*	FG_EAST	SC V.1, V.2, VI.1, VI.3, VI.6, VI.8	R 336.1702(a)
3. Methylene chloride	14.92 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
4. Benzene	0.71 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
5. 1,1,2,2-Tetrachloroethane	0.16 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
6. Carbon tetrachloride	0.28 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
7. Chloroform	3.02 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
8. Trichloroethene	4.52 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
9. Tetrachloroethene	12.7 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, V.2, VI.3, VI.5	R 336.1225
10. Hydrogen chloride	28.4 lb/hr <sup>1</sup>	Per SC V.1	FG_EAST	SC V.1, VI.1, VI.4	R 336.1225
11. PM	0.028 lb per 1,000 lbs of exhaust air	Per SC VI.7.a and Appendix 1.7	FG_EAST	SC VI.2, VI.9.a	R 336.1331(c)
12. PM-10	1.9 lb/hr <sup>1</sup>	Per SC VI.7.b	FG_EAST	SC VI.2, VI.9.b	R 336.1225
13. PM-10	4.0 tpy	12-month rolling time period*	FG_EAST	SC VI.2, VI.9.c	R 336.1205(3)

\* Tons per year (tpy) shall be based upon a 12-month rolling time period as determined at the end of each calendar month.

**II. MATERIAL LIMITS**

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. VOC in waste	Maximum of 2% by weight for hazardous waste	Daily average for waste accepted for treatment	FG_EAST	SC VI.6	R 336.1225 R 336.1702(a)

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
2. VOC in waste	Maximum of 20% by weight for nonhazardous waste	Daily average for waste accepted for treatment	FG_EAST	SC VI.6	R 336.1225 R 336.1702(a)

**III. PROCESS/OPERATIONAL RESTRICTIONS**

- The permittee shall maintain the air flow through FG\_EAST within the range specified in the following table during normal operation. **(R 336.1201(1)(a), R 336.1213(2), R 336.1225, R 336.1331, R 336.1702(a), 40 CFR Part 63 Subparts A and DD)**

Parameter	Limit (cfm)
minimum air flow rate	19,500
maximum air flow rate	26,400

For purposes of this condition, normal operation is defined as:

- material in any waste treatment/storage tank is uncovered or has been covered less than two hours;***
  - the pug mill is operating or has been operating in the last two hours;***
  - any period when material is being placed in or removed from EUSLUDGETANK12;***
  - any period when waste is being placed in or removed from a waste treatment/storage tank, or has been within the last two hours.***
- The permittee shall operate the baghouse, thermal oxidizer and caustic scrubber and maintain negative static pressure in the waste treatment building (pugmill and waste treatment/holding tanks) during normal operation, as defined above in special condition III.1. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD)**
  - The permittee shall not operate FG\_EAST, unless the baghouse, thermal oxidizer and caustic scrubber are installed and operated properly. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD)**
  - The permittee shall not operate FG\_EAST unless the treatment building baghouse pressure drop is maintained between 1.5 and 8 inches of water column. **(R 336.1205(3), R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**
  - The permittee shall not operate FG\_EAST unless the thermal oxidizer maintains a minimum temperature of 1,500°F, except during AQD approved emission testing, in which case the permittee shall not operate FG\_EAST unless the thermal oxidizer maintains a minimum temperature of 1,400°F. **(R 336.1213, R 336.1225, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD)**
  - The permittee shall maintain a VOC capture efficiency of 100 percent, as determined in accordance with S.C. V.2, in the FG\_EAST exhaust system. **(R 336.1225, R 336.1702(a), 40 CFR Part 63 Subparts A and DD)**
  - The permittee shall not process waste with a VOC concentration greater than 500 ppm in FG\_EAST unless the destruction efficiency of the thermal oxidizer is a minimum of 95%. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD)**
  - The permittee shall not operate FG\_EAST unless the caustic scrubber maintains a minimum pH of 7.3. **(R 336.1225, R 336.1910)**

9. The permittee shall not operate FG\_EAST unless the liquid flow rate of the caustic scrubber is maintained between 225 and 350 gallons per minute. **(R 336.1225, R 336.1910)**
10. The permittee shall not have more than one waste treatment process building overhead door open at a time. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the air flow from FG\_EAST on a continuous basis and record five minute block averages of the monitored air flow. **(R 336.1213(3))**
2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the pressure drop of the treatment building baghouse on a continuous basis and record five minute block averages of the monitored pressure drop. **(R 336.1225, R 336.1331, R 336.1910, R 336.1205(3), 40 CFR §64.6(b)(1), 40 CFR §64.7(b))**
3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the combustion chamber temperature of the thermal oxidizer on a continuous basis and record five minute block averages of the monitored temperature. **(R 336.1213(3), 40CFR §64.6(b)(1), 40 CFR §64.7(b))**
4. The thermal oxidizer shall be designed to maintain a minimum retention time of 0.4 seconds. **(R 336.1225, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD)**
5. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the pH of the caustic scrubber on a continuous basis and record five minute block averages of the monitored pH. **(R 336.1225, R 336.1702(a), R 336.1910)**
6. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor the liquid flow rate of the caustic scrubber on a continuous basis and record five minute block averages of the monitored liquid flow rate. **(R 336.1225, R 336.1702(a), R 336.1910)**
7. The permittee shall install, maintain and operate limit switches in all overhead doors, so as to restrict the maximum opening heights to 20 feet except as needed for vehicle or equipment ingress and egress. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**
8. Sludge feed and storage tank No. 12 (EUSLUDGETANK12) shall be vented into the FG\_EAST waste treatment process building. **(R 336.1225, R 336.1702(a), 40 CFR Part 63 Subparts A and DD)**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Verification of pollutant emission rates from FG\_EAST specified in SC I.1 through I.10 and the destruction efficiency of the thermal oxidizer by testing, at owner's expense, in accordance with Department requirements, will be required for operating approval. Verification of emission rates and efficiencies includes the submittal of a complete report of the test results. Stack testing procedures, operational parameters, and the location of stack testing ports must have prior approval by the AQD District Supervisor. Permittee shall conduct the verification tests at least once every five years, beginning in 2007, for the pollutant emission rates specified in SC I.1 through I.10. **(R 336.1225, R 336.1702(a), R336.2001, R336.2003, 40 CFR Part 63 Subparts A and DD)**
2. Verification of the VOC capture efficiency of the exhaust system by testing, at owner's expense, in accordance with Department requirements, will be required for operating approval. The VOC capture efficiency of the exhaust system shall be determined in accordance with Procedure T, found in 40 CFR §52.741 Appendix B, or an alternative method as approved by the AQD, and by visual observation of the air movement and direction. Alternative testing procedures for VOC capture efficiency and associated

operational parameters must have prior approval by the AQD District Supervisor. Permittee shall conduct the verification tests at least once every year and shall notify the department prior to conducting the tests. **(R 336.1225, R 336.1702(a), R336.2001, R336.2003, 40 CFR Part 63 Subparts A and DD)**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor the air flow from FG\_EAST on a continuous basis and record five minute block averages of the monitored air flow. **(R 336.1213(3))**
2. The permittee shall monitor the pressure drop of the FG\_EAST baghouse on a continuous basis and shall record five minute block averages of the monitored pressure drop. The permittee shall record any pressure drop excursions from the range specified in special condition III.4. **(R 336.1213(3), 40 CFR §64.6(c)(1))**
3. The permittee shall monitor the temperature of the thermal oxidizer in a representative area of the combustion chamber on a continuous basis and shall record five minute block averages of the monitored temperature in a manner and with instrumentation acceptable to the AQD District Supervisor. The permittee shall record any temperature excursions below the minimum temperature specified in special condition III.5. **(R 336.1225, R 336.1702(a), R 336.1910, 40 CFR Part 63 Subparts A and DD, 40 CFR §64.6(c)(1))**
4. The permittee shall monitor the pH and flow rate of the FG\_EAST caustic scrubber on a continuous basis and shall record five minute block averages of the monitored parameters. **(R 336.1213(3))**
5. The permittee shall maintain a written log for activities related to the scrubber and air handling equipment conducted pursuant to the "Preventive Maintenance and Malfunction Abatement Program, Air Pollution Control Systems." The written log shall indicate the following: **(R 336.1213(3), R 336.1910)**
  - a. Date, time and duration of equipment downtime.
  - b. Date and description of maintenance performed.
  - c. Date and description of repairs performed.
7. The permittee shall maintain the following records for FG\_EAST: **(R 336.1213(3), R 336.1225, R 336.1702(a), 40 CFR 63 Subparts A and DD)**
  - a. The volume of each waste stream treated; monthly record.
  - b. VOC content in percent by weight present in each waste stream prior to treatment, based on generator information; daily record.
  - c. Average daily VOC content (% by weight) of waste streams; daily record.
  - d. Monthly and 12-month rolling total VOC emissions according to the method outlined in Appendix 1.7A; monthly record.
8. The permittee shall prepare a monthly report summarizing the amount and the VOC content (in percent by weight) of waste treated and the total VOC input in order to monitor the cumulative VOC emissions for the preceding 12 months. **(R 336.1225, R 336.1702(a), 40 CFR 63 Subparts A and DD)**
9. On a monthly basis, the permittee shall maintain the following records for FG\_EAST: **(R 336.1225, R 336.1331, R 336.1205(3))**
  - a. PM concentration in pounds per thousand pounds of exhaust gas according to the method outlined in Appendix 1.7B.
  - b. Hourly PM-10 emission rate according to the method outlined in Appendix 1.7B.<sup>1</sup>
  - c. Monthly and 12-month rolling total PM-10 emissions according to the method outlined in Appendix 1.7B.
10. The permittee shall calculate and limit the VOC and PM and PM-10 emissions from FG\_EAST according to the methods outlined in Appendix 1.7 unless a replacement method acceptable to the AQD has been submitted and approved. **(R 336.1205(3), R 336.1225, R 336.1331, R 336.1702(a))**

11. The permittee shall develop a written operating procedure to assure that the requirements of S.C. III.1 are met before the air flow through FG\_EAST is reduced below the minimum air flow specified in S.C. III.1, or before the permittee no longer maintains negative static pressure as specified in S.C. III.2. The permittee shall maintain records, including the time, date and duration of air flow reduction and/or non-negative static pressure, to assure the operating procedures are being met as specified in the startup, shutdown and malfunction plan. **(R 336.1213(2), R 336.1225, R 336.1331, R 336.1702(a), 40 CFR Part 63 Subparts A and DD)**
12. Upon detecting an excursion or exceedance through the parametric monitoring of pressure drop or RTO combustion temperature, the permittee shall restore operation of FG\_EAST to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. **(R 336.1213(3), 40 CFR 64.7(d))**

**See Appendix 1.7 of MI-ROP-M4782-2010**

**VII. REPORTING**

1. The permittee shall submit, on a semi-annual basis, the monthly reports specified above in S.C. VI.6 in order to monitor the cumulative VOC emissions for the preceding 12 months. **(R 336.1225, R 336.1702(a))**
2. Results of performance tests shall be submitted to the department in the format prescribed by the applicable reference test method within 60 days after the last date of the test. **(R336.2001(4))**
3. Each semiannual report of monitoring deviations shall include summary information on the number, duration and cause of excursions and/or exceedances and the corrective actions taken. If there were no excursions and/or exceedances in the reporting period, then this report shall include a statement that there were no excursions and/or exceedances. **(40 CFR §64.9(a)(2)(i))**
4. Each semiannual report of monitoring deviations shall include summary information on monitor downtime. If there were no periods of monitor downtime in the reporting period, then this report shall include a statement that there were no periods of monitor downtime. **(40 CFR §64.9(a)(2)(ii))**

**See Appendix 1.8 of MI-ROP-M4782-2010**

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Diameter/Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SVTHERMAL	54 <sup>1</sup>	75 <sup>1</sup>	R 336.1225

**IX. OTHER REQUIREMENTS**

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Benzene Waste Operations as specified in 40 CFR Part 61 Subparts A and FF. **(40 CFR Part 61 Subparts A & FF)**
2. The emissions of asbestos, the filter fabric, the operation of the fabric filter baghouse dust collectors and the process and disposal of all asbestos containing waste shall comply with the specifications found in the NESHAP (National Emission Standards for Hazardous Air Pollutants) for Asbestos in 40 CFR Part 61 Subpart M. **(40 CFR Part 61 Subpart M)**

3. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants From Off-Site Waste and Recovery Operations as specified in 40 CFR Part 63 Subparts A and DD. **(40 CFR Part 63 Subparts A & DD)**
4. The permittee shall implement the "Preventive Maintenance and Malfunction Abatement Program, Air Pollution Control Systems." This plan shall be made available to the Department upon request. **(R 336.1225, R 336.1331, R 336.1702(a), R 336.1910)**
5. The permittee shall notify the appropriate District Office of the AQD for the need to modify the CAM plan if the approved monitoring is found to be inadequate and shall submit a proposed modification to the plan if appropriate. **(R 336.1213(3), 40 CFR §64.7(e))**
6. The permittee shall comply with all requirements of 40 CFR Part 64, Compliance Assurance Monitoring. **(R 336.1213(3), 40 CFR Part 64)**
7. This permit shall be terminated on and after August 25, 2012, or the last date of testing conducted under an AQD approved test plan, whichever date occurs first. **(Act 451 324.5503(c))**

**Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).