



RICK SNYDER  
GOVERNOR

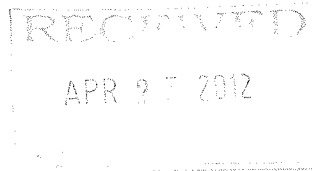
STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LANSING



DAN WYANT  
DIRECTOR

April 11, 2012

Mr. Adam Westerdale, COO  
Aevitas Specialty Services Corp.  
663 Lycaste  
Detroit, Michigan 48214



Dear Mr. Westerdale:

This letter is in reference to your Permit to Install application for a facility to receive, process, and recycle wastewater and used industrial oils that are not hazardous waste (State Registration Number N7359) located at 663 Lycaste, Detroit, Michigan. This application, identified as No. 10-12, has been evaluated and approved by the Air Quality Division (AQD), pursuant to the delegation of authority from the Michigan Department of Environmental Quality (DEQ).

This approval is based upon and subject to compliance with all administrative rules promulgated pursuant to Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), and conditions stipulated in the attached supplement. Please review these conditions thoroughly so that you may take the actions necessary to ensure compliance with all of these conditions.

You should be aware that failure to obtain a permit prior to commencing construction is a violation of Section 5505 of Act 451, and rules promulgated thereunder.

To help us improve the service we provide our customers, we encourage you to complete a *Permit to Install Customer Service Survey* on the following Web page:

[http://www.michigan.gov/documents/deq/DEQEval\\_29-pti-customerservice\\_287285\\_7.html](http://www.michigan.gov/documents/deq/DEQEval_29-pti-customerservice_287285_7.html)

Please contact me if you have any questions regarding this permit.

Sincerely,

Paul L. Schleusener, Senior Engineer Specialist  
General Manufacturing/Chemical Process Unit  
Permit Section, Air Quality Division  
517-335-6828  
schleusenerp@michigan.gov

Attachment

cc/att: Ms. Wilhemina McLemore, DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

April 3, 2012

PERMIT TO INSTALL  
10-12

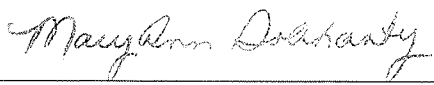
ISSUED TO  
Aevitas Specialty Services Corp.

LOCATED AT  
663 Lycaste  
Detroit, Michigan

IN THE COUNTY OF  
Wayne

STATE REGISTRATION NUMBER  
N7359

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: <b>February 14, 2012</b>	
DATE PERMIT TO INSTALL APPROVED: <b>April 3, 2012</b>	SIGNATURE: 
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

## PERMIT TO INSTALL

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**Common Abbreviations / Acronyms**

Common Acronyms		Pollutant / Measurement Abbreviations	
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>2</sub> e	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	Malfuction 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>Flexible Group ID</b>
EU-Tank11	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank12	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank13	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank14	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank15	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank16	Fixed-roof heated storage tank that receives oily liquid industrial waste, working capacity 19,500 gallons. Located outdoors.	FG1
EU-Tank21	Fixed-roof heated storage tank used to treat oily waste, working capacity 16,000 gallons. Located outdoors. Exhausts to scrubber.	FG2, FG-ProcessTanks
EU-Tank22	Fixed-roof heated storage tank used to treat oily waste, working capacity 16,000 gallons. Located outdoors. Exhausts to scrubber.	FG2, FG-ProcessTanks
EU-Tank31	Fixed-roof heated storage tank; used to dry wet oil product and sludge, working capacity 19,500 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank32	Fixed-roof heated storage tank used to dry wet oil product and sludge, working capacity 19,500 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank33	Fixed-roof heated storage tank used to dry wet oil product and sludge, working capacity 6,000 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank34	Fixed-roof heated storage tank used to dry wet oil product and sludge, working capacity 6,000 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank35	Fixed-roof heated storage tank used to dry wet oil product and sludge, working capacity 19,500 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank36	Fixed-roof heated storage tank used to dry wet oil product and sludge, working capacity 19,500 gallons. Located outdoors. Exhausts to scrubber.	FG3, FG-ProcessTanks
EU-Tank41	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---
EU-Tank42	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---
EU-Tank43	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---
EU-Tank44	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---
EU-Tank45	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---
EU-Tank46	Fixed-roof heated storage tank for petroleum product, working capacity 19,500 gallons. Located outdoors.	---

*Debris*

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Flexible Group ID
EU-Tank51	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-Tank52	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-Tank53	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-Tank54	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-Tank55	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-Tank56	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-TankD1	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-TankD2	Fixed-roof storage tank for wastewater, working capacity 11,000 gallons. Located indoors.	---
EU-TankC1	Fixed-roof storage tank for treatment chemicals (sodium hydroxide), working capacity 11,000 gallons. Located indoors.	---
EU-TankC2	Fixed-roof storage tank for treatment chemicals (sodium hydroxide), working capacity 11,000 gallons. Located indoors.	---
EU-TankA1	Fixed-roof storage tank for treatment chemicals (sulfonic acid and sulfuric acid), working capacity 3,500 gallons. Located indoors.	---
EU-Boiler	Natural gas-fired boiler that supplies steam to the heating coils of the tanks. Nominal heat input rating is 5 MMBTU/hr.	---

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.

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FG1	Storage tanks for incoming oily liquid industrial waste.	EU-Tank11, EU-Tank12, EU-Tank13, EU-Tank14, EU-Tank15, EU-Tank16
FG2	Processing tanks for oily liquid industrial waste.	EU-Tank21, EU-Tank22
FG3	Processing tanks used to dry wet oil product (supplementary fuel).	EU-Tank31, EU-Tank32, EU-Tank33, EU-Tank34, EU-Tank35, EU-Tank36
FG-ProcessTanks	Processing tanks for oily liquid industrial waste and wet oil product. All tanks exhaust to the scrubber.	EU-Tank21, EU-Tank22, EU-Tank31, EU-Tank32, EU-Tank33, EU-Tank34, EU-Tank35, EU-Tank36
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	---



The following conditions apply to: FG-ProcessTanks

**DESCRIPTION:** Processing tanks for oily liquid industrial waste and wet oil product.

**Emission Units:** EU-Tank21, EU-Tank22, EU-Tank31, EU-Tank32, EU-Tank33, EU-Tank34, EU-Tank35, EU-Tank36

**POLLUTION CONTROL EQUIPMENT:** Packed bed scrubber

**I. EMISSION LIMITS**

NA

**II. MATERIAL LIMITS**

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. All materials with oil content $\geq$ 10% received for treatment <sup>a</sup> in FG-ProcessTanks	20,000,000 gallons per year	12-month rolling time period as determined at the end of each calendar month	FG-ProcessTanks	SC VI.1	R 336.1702(a)
2. All materials with oil content > 90% received for treatment <sup>a</sup> in FG-ProcessTanks	4,000,000 gallons per year	12-month rolling time period as determined at the end of each calendar month	FG-ProcessTanks	SC VI.1	R 336.1702(a)

<sup>a</sup> Material is "received for treatment in FG-ProcessTanks" at the time the permittee transfers it to equipment on site, and the permittee plans to treat the material in FG-ProcessTanks.

3. The permittee shall limit the amount of material dried in FG-ProcessTanks as listed below. This condition does not restrict the drying of material containing less than 100 ppmw organic halides. For purposes of this condition, "organic halides" shall be those identified by EPA Test Method 8021B or an alternate method approved by the AQD District Supervisor.<sup>1</sup> (R 336.1225(2))
  - a. 30 batches per calendar day of material containing organic halides with a concentration of 100 ppmw or greater.
  - b. 100 batches per calendar month of material containing organic halides with a concentration of 100 ppmw or greater.

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not transfer material to any tank in FG-ProcessTanks or conduct any treatment operations in any tank in FG-ProcessTanks unless a malfunction abatement plan (MAP) as described in Rule 911(2), for the scrubber and all process operations exhausted to the scrubber, has been submitted within 30 days of permit issuance, and is implemented and maintained. If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. Until a MAP

has been approved, permittee shall operate the scrubber in compliance with the parameters listed below. **(R 336.1901, R 336.1910, R 336.1911)**

- a. The scrubber solution pH shall be 9 or higher.
- b. The oxidation-reduction (redox) potential of the scrubber solution shall be 30 millivolts or higher.
- c. Scrubber solution shall be recirculated to the packing at a rate not less than 125 gallons per minute.

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

1. The permittee shall equip and maintain the scrubber with devices to continuously monitor the parameters listed below. **(R 336.1224, R 336.1225, R 336.1901, R 336.1910)**
  - a. The redox potential of the scrubber solution.
  - b. The liquid flow rate of scrubber solution being circulated to the scrubber packing.
2. The permittee shall equip and maintain each tank in FG-ProcessTanks with a device to monitor the maximum temperature of the tank's contents. **(R 336.1901, R 336.1910)**
3. The permittee shall not transfer material to any tank in FG-ProcessTanks unless the tank is exhausted to the scrubber and the scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the scrubber includes maintaining the flow rate, pH, and redox potential of the scrubber solution in the ranges described in the approved malfunction abatement plan as constituting satisfactory operation. **(R 336.1901, R 336.1910)**
4. The permittee shall not conduct any treatment operations in any tank in FG-ProcessTanks unless the tank is exhausted to the scrubber and the scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the scrubber includes maintaining the flow rate, pH, and redox potential of the scrubber solution in the ranges described in the approved malfunction abatement plan as constituting satisfactory operation. **(R 336.1901, R 336.1910)**

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

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

NA

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

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

1. The permittee shall monitor and record, in a satisfactory manner, the monthly and rolling 12-month time period amounts of material received for treatment in FG-ProcessTanks, as listed below. Material is "received for treatment in FG-ProcessTanks" at the time the permittee transfers it to equipment on site, and the permittee plans to treat the material in FG-ProcessTanks. **(R 336.1702(a))**
  - a. Amount of material with oil content  $\geq 10\%$  received for treatment in FG-ProcessTanks each calendar month and in the 12-month rolling time period ending that month.
  - b. Amount of material with oil content  $> 90\%$  received for treatment in FG-ProcessTanks each calendar month and in the 12-month rolling time period ending that month.
2. The permittee shall monitor and record, in a satisfactory manner, the number of batches of material dried in FG-ProcessTanks, on a calendar day and calendar month basis, as listed below. For purposes of this condition, "organic halides" shall be those identified by EPA Test Method 8021B or an alternate method approved by the AQD District Supervisor.<sup>1</sup> **(R 336.1225(2))**
  - a. Number of batches of material containing organic halides with a concentration of 100 ppmw or greater dried each calendar day.
  - b. Number of batches of material containing organic halides with a concentration of 100 ppmw or greater dried each calendar month.

3. The permittee shall monitor and record, in a satisfactory manner, the parameters listed below for the scrubber, once each shift that the scrubber operates. **(R 336.1910)**
  - a. The pH of the scrubber solution.
  - b. The redox potential of the scrubber solution.
  - c. The liquid flow rate of scrubber solution being circulated to the scrubber packing.
4. The permittee shall monitor and record, in a satisfactory manner, the maximum temperature of the contents of each tank during treatment, on a batch basis. **(R 336.1901, R 336.1910)**
5. For each calendar month, the permittee shall monitor and record, in a satisfactory manner, the following information for all material received for treatment in FG-ProcessTanks. Material is "received for treatment in FG-ProcessTanks" at the time the permittee transfers it to equipment on site, and the permittee plans to treat the material in FG-ProcessTanks. **(R 336.1702(a), R 336.1901)**
  - a. The identification of the waste generator
  - b. The amount of material received for treatment in FG-ProcessTanks from each generator
6. The permittee shall monitor and record, in a satisfactory manner, the following information for each batch of material treated in FG-ProcessTanks on a batch basis. **(R 336.1702(a), R 336.1901)**
  - a. The amount of material processed in the batch
  - b. The tank in which processing occurs
  - c. The amount and type of chemicals used in processing the batch
  - d. The time period over which processing occurs

**VII. REPORTING**

NA

**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. SV-Scrubber	16	70	R 336.1225, R 336.1901, R 336.2803, R 336.2804

**IX. OTHER REQUIREMENTS**

NA

**Footnotes:**

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

**The following conditions apply Source-Wide to: FGFACILITY**

**POLLUTION CONTROL EQUIPMENT:**

**I. EMISSION LIMITS**

1. Visible emissions from traffic areas in FGFACILITY shall not exceed five percent opacity. **(R 336.1371)**

**II. MATERIAL LIMITS**

Material	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Maximum organic halide <sup>a</sup> concentration in used oil received for treatment	1,000 ppm by weight <sup>1</sup>	Each load received	FGFACILITY	SC VI.1	R 336.1225(2)
<sup>a</sup> For purposes of this condition, "organic halides" shall be those identified by EPA Test Method 8021B or an alternate method approved by the AQD District Supervisor.					

2. The permittee shall not accept any material listed below for processing in FGFACILITY.<sup>1</sup> **(R 336.1224, R 336.1225)**
  - a. Material regulated as hazardous waste under Michigan or federal law or regulations.
  - b. Material containing polychlorinated biphenyls (PCBs) at a concentration greater than or equal to 50 parts per million by weight.

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not operate FGFACILITY unless an odor management plan (OMP) for all process operations has been submitted within 30 days of permit issuance, and is implemented and maintained. The permittee shall amend the OMP as needed to prevent objectionable odors offsite. The permittee shall also amend the OMP within 45 days, upon request from the District Supervisor. The permittee shall submit the OMP and any amendments to the OMP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the OMP or amended OMP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to prevent objectionable odors offsite. The OMP shall address the items listed below, along with any others needed to prevent objectionable odors offsite.<sup>1</sup> **(R 336.1901)**
  - a. How the permittee will identify received materials with strong odor potential.
  - b. Procedures to ensure that received materials with strong odor potential are either transferred to tanks in FG2 or FG3 upon receipt, rather than to tanks in FG1, or otherwise handled so as to prevent objectionable odors offsite.
  - c. A list of process operations and situations that may produce objectionable odors. Examples include, but are not limited to, processing temperatures and the handling and processing of solid and sludge residuals.
  - d. Procedures to prevent the occurrence of objectionable odors offsite from process operations and situations that may produce objectionable odors.
2. The permittee shall not operate FGFACILITY unless a fugitive dust control plan for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been submitted within 30 days of permit issuance, and is implemented and maintained. The permittee shall amend the fugitive dust control plan as needed. The permittee shall also amend the fugitive dust control plan within 45 days, upon request from the District Supervisor. The permittee shall submit the fugitive dust control plan and any amendments

to the plan to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the fugitive dust control plan or amended fugitive dust control plan shall be considered approved. Until the initial approval of a fugitive dust control plan, the permittee shall implement the following actions. (R 336.1371, R 336.1372, Act 451 324.5524)

- a. Weekly assessment of the site, including facility lots, onsite roadways, and trackout from the site onto public roadways. The permittee shall record the findings from each assessment, along with the date and a summary of relevant weather conditions.
- b. Application of dust suppressant or water, as needed. The permittee shall record the date of each such application, with a description of the material applied.
- c. Limit vehicle speed on the site.
- d. Removal of dust accumulation on onsite roadways and lots, as needed. The permittee shall record the date of such removal actions with a brief description of the action taken.

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

NA

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

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

NA

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

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

1. The permittee shall monitor and record, in a satisfactory manner, the total organic halides concentration in each shipment of used oil received for treatment, on a monthly basis. For purposes of this condition, "organic halides" shall be those identified by EPA Test Method 8021B or an alternate method approved by the AQD District Supervisor.<sup>1</sup> (R 336.1225(2))

#### **VII. REPORTING**

NA

#### **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:

NA

#### **IX. OTHER REQUIREMENTS**

NA

#### **Footnotes:**

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



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY - AIR QUALITY DIVISION

PERMIT TO INSTALL APPLICATION

For authority to install, construct, reconstruct, relocate, or modify process, fuel-burning or refuse burning equipment and/or control equipment. Permits to install are required by administrative rules pursuant to Section 5505 of 1994 PA 451, as amended.

FOR DEQ USE ONLY

APPLICATION NUMBER  
10-12

Please type or print clearly. The "Application Instructions" and "Information Required for an Administratively Complete Permit to Install Application" are available on the Air Quality Division (AQD) Permit Web Page at http://www.deq.state.mi.us/aps. Please call the AQD at 517-373-7023 if you have not been contacted within 15 days of your application submittal.

RECEIVED

FEB 02 2012

AIR QUALITY DIV.

1. FACILITY CODES: State Registration Number (SRN) and North American Industry Classification System (NAICS)			
SRN	NAICS		
40359	562219		
2. APPLICANT NAME: (Business License Name of Corporation, Partnership, Individual Owner, Government Agency)			
Aevitas Specialty Services Corp			
3. APPLICANT ADDRESS: (Number and Street)		MAIL CODE:	
663 Lycaste			
CITY: (City, Village or Township)	STATE:	ZIP CODE:	COUNTY:
Detroit	MI	48214	Wayne
4. EQUIPMENT OR PROCESS LOCATION: (Number and Street - if different than Item 3)			
CITY: (City, Village or Township)		ZIP CODE:	COUNTY:
5. GENERAL NATURE OF BUSINESS:			
Recycle used industrial oils, wastewater treatment			
6. EQUIPMENT OR PROCESS DESCRIPTION: (A Description MUST Be Provided Here. Include Emission Unit IDs. Attach additional sheets if necessary; number and date each page of the submittal.)			
The Lycaste facility is used to receive, process, and recycle used industrial oils. The tanks are separated into 5 Flexible Groups: FG1 six used oil storage tanks. FG2 two process tanks for oil/water/sludge separation, FG3 sixed oil drying tanks, FG4 six Primary Product Oil Storage tanks and FG5 natural gas-fired boiler for steam production.			
FG1 - FG4 are connected to a packed-bed scrubber which vents through an up to 87 ft stack.			
Please see attached documents for a complete description of the used oil constituents, the recycling process and equipment.			
7. REASON FOR APPLICATION: (Check all that apply.)			
<input type="checkbox"/> INSTALLATION / CONSTRUCTION OF NEW EQUIPMENT OR PROCESS			
<input checked="" type="checkbox"/> RECONSTRUCTION / MODIFICATION / RELOCATION OF EXISTING EQUIPMENT OR PROCESS - DATE INSTALLED:			
<input type="checkbox"/> OTHER - DESCRIBE			
8. IF THE EQUIPMENT OR PROCESS THAT WILL BE COVERED BY THIS PERMIT TO INSTALL (PTI) IS CURRENTLY COVERED BY ANY ACTIVE PERMITS, LIST THE PTI NUMBER(S):			
9. DOES THIS FACILITY HAVE AN EXISTING RENEWABLE OPERATING PERMIT (ROP)? <input checked="" type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> PENDING APPLICATION <input type="checkbox"/> YES			
PENDING APPLICATION OR ROP NUMBER:			
10. AUTHORIZED EMPLOYEE:		TITLE:	PHONE NUMBER: (Include Area Code)
Adam Westerdale		COO	(734) 266 6500
SIGNATURE:		DATE:	E-MAIL ADDRESS:
		2/1/12	mpeterson@aevitas.us.c
11. CONTACT: (If different than Authorized Employee. The person to contact with questions regarding this application)			PHONE NUMBER: (Include Area Code)
Mary Peterson			(734) 266 6500
CONTACT AFFILIATION:		E-MAIL ADDRESS:	
Aevitas Specialty Services EHS Specialist		mpeterson@aevitas.us.com	
12. IS THE CONTACT PERSON AUTHORIZED TO NEGOTIATE THE TERMS AND CONDITIONS OF THE PERMIT TO INSTALL? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
FOR DEQ USE ONLY - DO NOT WRITE BELOW			
DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:			
DATE PERMIT TO INSTALL APPROVED:		SIGNATURE:	
4/3/12			
DATE APPLICATION / PTI VOIDED:		SIGNATURE:	
DATE APPLICATION DENIED:		SIGNATURE:	

A PERMIT CERTIFICATE WILL BE ISSUED UPON APPROVAL OF A PERMIT TO INSTALL