



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Utility Optimization Group LLC
6917 Stennis Boulevard
Moss Point, MS
Jackson County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: FEB 11 2016

Expires: JAN 31 2021

Permit No. 1280-00049

Agency Interest # 6244

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| 40 CFR Part 63, Subpart A | |
| 40 CFR Part 63, Subpart XXXXXX | |

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Utility Optimization Group LLC

Subject Item Inventory

Permit Number: 1280-00049

Activity ID No.: PER20150001

Subject Item Inventory:

| ID | Designation | Description |
|--------|-------------|---|
| AI6244 | | Manufacturer of high pressure vessel tanks, pipes, and other related products. |
| AREA1 | AA-001 | Facility Wide Surface Coating Operation |
| AREA2 | AA-002 | Facility Wide Abrasive Blasting Operations |
| AREA3 | AA-003 | Facility Wide Metal Fabrication Operations |
| AREA5 | AA-005 | Facility Wide Miscellaneous Manufacturing Operations including but not limited to: Cutting, Grinding, Blasting, Welding, Miscellaneous Fabrication, and Repair. |
| EQPT2 | AA-006 | One (1) 1,000 Gallon Diesel Tank. |
| EQPT4 | AA-008 | One (1) 250 Gallon Propane Tank |
| EQPT5 | AA-009 | Space Heaters (Total Capacity: 5 MMBTU/hr) |

Receiving Stream Relationships:

| Subject Item | Relationship | Receiving Stream |
|--|-----------------|------------------|
| AI 6244 Manufacturer of high pressure vessel tanks, pipes, and other related products. | Discharges Into | Bangs Lake |

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KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-1 | | For the Entire Facility, the permittee is subject to 40 CFR 63, Subpart A - General Provisions and Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, specifically 40 CFR 63.11514(a)(3) - Fabricated Plate Work (Boiler Shops), and shall achieve achieve compliance with the applicable provisions by July 25, 2011. [40 CFR 63.11514(a)(3), 40 CFR 63.11515(a)] |
| L-2 | | The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.8.B.] |
| L-3 | | The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [11 Miss. admin. Code Pt. 2, R. 1.3.D(1)(a).] |
| L-4 | | The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).] |
| L-5 | | Facility-Wide Emission Limitations The permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).] |
| L-6 | | Facility-Wide Emission Limitations The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.90 tons/year (TPY) of any single HAP and no more than 24.90 TPY of total combined HAPs as determined for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).] |
| L-7 | | Facility-Wide Emission Limitations The permittee shall limit total particulate matter (PM/PM10/PM2.5) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).] |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| L-8 | | <p>40 CFR 63 Subpart XXXXXX Applicability:</p> <p>For Emission Points AA-002, AA-003, and AA-005, the permittee is subject to the Metal Finishing Hazardous Air Pollutant (MFHAP) Provisions as described in 40 CFR 63.11514(b)(1), (2), (3), and (5), for the Dry Abrasive Blasting Operations, Machining Operations, Grinding Operations, and Welding Operations. (i.e. A MFHAP is any material that contains cadmium, chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), and contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing MFHAP. [40 CFR 63.11514(b)(1,2,3,5), 40 CFR 63.11522]</p> |
| L-9 | | <p>40 CFR 63 Subpart XXXXXX - Abrasive Blasting Limitations:</p> <p>For Emission Points AA-002 and AA-005, the permittee shall comply with the following, as applicable, for each dry abrasive blasting operation that uses materials that contain MFHAP or has the potential to emit MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.</p> <p>(1)The permittee shall implement management practices as specified in paragraphs (1)(i) and (ii) for dry abrasive blasting of objects performed in totally enclosed and unvented blast chambers for minimizing emissions of MFHAP.</p> <p>(i) The permittee shall minimize dust generation during emptying of abrasive blasting enclosures; and</p> <p>(ii) The permittee shall operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions. [40 CFR 63.11516(a)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| L-10 | | <p>40 CFR 63 Subpart XXXXXX - Abrasive Blasting Limitations Continued:</p> <p>For Emission Points AA-002 and AA-005, the permittee shall comply with the requirements in paragraphs (1) and (2) for dry abrasive blasting affected sources which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in condition L-11 of this permit.</p> <p>(1)The permittee shall capture emissions and vent them to a filtration control device. The permittee shall operate the filtration control device according to manufacturer's instructions, and the permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in paragraph 4 of condition R-3 of this permit. (40 CFR 63.11519(c)(4))</p> <p>(2) The permittee shall implement the management practices to minimize emissions of MFHAP as specified in paragraphs (2) (i) through (iii) of this condition.</p> <p>(i) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and</p> <p>(ii) The permittee shall enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and</p> <p>(iii) The permittee shall operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions. [40 CFR 63.11516(a)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-11 | | <p>40 CFR 63 Subpart XXXXXX - Abrasive Blasting Limitations Continued:</p> <p>For Emission Point AA-002 and AA-005, if the permittee performs dry abrasive blasting on objects greater than 8 feet, the permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraph (1) of this condition instead of the practices required by paragraph (2) of condition L-10 of this permit. The permittee shall demonstrate that management practices are being implemented by complying with the requirements in paragraphs (1) through (4) of this condition.</p> <p>(1) Management practices for dry abrasive blasting of objects greater than 8 feet are specified in paragraphs (1)(i) through (v).</p> <p>(i) The permittee shall take measures necessary to minimize excess dust in the surrounding areas;</p> <p>(ii) The permittee shall enclose abrasive material storage areas, holding bins, seal chutes and conveyors, etc; and</p> <p>(iii) The permittee shall operate all dry abrasive blasting equipment according to manufacturer's instructions; and</p> <p>(iv) The permittee shall not re-use dry abrasive blasting media unless contaminants have been removed by filtration or screening, and the abrasive material conforms to its original size; and</p> <p>(v) Where practicable, the permittee shall switch from high particulate matter (PM)-emitting blast media to low PM-emitting blast media where PM is a surrogate for MFHAP.</p> <p>(2) The permittee shall perform visual determinations of fugitive emissions, as specified in condition M-4 of this permit (40 CFR 63.11517(b)), according to paragraphs (2)(i) or (ii) of this condition, as applicable.</p> <p>(i) For abrasive blasting of objects greater than 8 feet that is performed outdoors, the permittee shall perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.</p> <p>(ii) For abrasive blasting of objects greater than 8 feet that is performed indoors, the permittee shall perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations. [40 CFR 63.11516(a)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-12 | | <p>Condition L-11 Continued:</p> <p>(3) The permittee shall keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in paragraph 2 of condition R-3 of this permit (40 CFR 63.11519(c)(2)).</p> <p>(4) If visible fugitive emissions are detected, the permittee shall perform corrective actions until the visible fugitive emissions are eliminated, at which time the permittee shall comply with the requirements in paragraphs (4)(i) and (ii).</p> <p>(i) The permittee shall perform a follow-up inspection for visible fugitive emissions in accordance with condition M-3 of this permit (40 CFR 63.11517(a)).</p> <p>(ii) The permittee shall report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, with the annual certification and compliance report as required by paragraph 5 of condition S-5 of this permit (40 CFR 63.11519(b)(5)). [40 CFR 63.11516(a)]</p> |
| L-13 | | <p>40 CFR 63 Subpart XXXXXX - Machining Limitations:</p> <p>For Emission Point AA-005, the permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraphs (1) and (2) of this condition for each machining operation that uses materials that contain MFHAP or has the potential to emit MFHAP. These requirements do not apply when machining operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.</p> <p>(1) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and</p> <p>(2) The permittee shall operate all equipment associated with machining according to manufacturer's instructions. [40 CFR 63.11516(b)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-14 | | <p>40 CFR 63 Subpart XXXXXX - Dry Grinding and Polishing Limitations:</p> <p>For Emission Point AA-003 and AA-005, the permittee shall comply with the requirements of paragraphs (1) and (2) of this condition for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP or has the potential to emit MFHAP. These requirements do not apply when dry grinding and dry polishing operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.</p> <p>(1) The permittee shall capture emissions and vent them to a filtration control device. The permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in paragraph 4 of condition R-3 of this permit (40 CFR 63.11519(c)(4)).</p> <p>(2) The permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraphs (2)(i) and (ii) of this condition.</p> <p>(i) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;</p> <p>(ii) The permittee shall operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to manufacturer's instructions. [40 CFR 63.11516(c)]</p> |
| L-15 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations:</p> <p>For Emission Point AA-003 and AA-005, the permittee shall comply with the following for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP. This requirement does not apply when the welding operation does not use any materials containing MFHAP or does not have the potential to emit MFHAP.</p> <p>(1) The permittee shall operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. The permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in paragraph 4 of condition R-3 of this permit (40 CFR 63.11519(c)(4)). [40 CFR 63.11516(f)(1)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| L-16 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Point AA-003 and AA-005, the permittee shall comply with the following for each welding operation that uses materials that contain MFHAP or has the potential to emit MFHAP and shall implement one or more of the management practices specified in paragraphs (1) through (5) of this condition to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment. This requirement does not apply when the welding operation does not use any materials containing MFHAP or does not have the potential to emit MFHAP.</p> <p>(1) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)-also called metal inert gas welding (MIG));</p> <p>(2) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;</p> <p>(3) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;</p> <p>(4) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and</p> <p>(5) Use a welding fume capture and control system, operated according to the manufacturer's specifications. [40 CFR 63.11516(f)(2)]</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-17 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Point AA-003 and AA-005, the permittee shall perform visual determinations of welding fugitive emissions as specified in condition M-4 of this permit (40 CFR 63.11517(b)), at the primary vent, stack, exit, or opening from the building containing the welding operations. The permittee shall keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in paragraph 2 of condition R-3 of this permit (40 CFR 63.11519(c)(2)). If visible fugitive emissions are detected, the permittee shall comply with the requirements in paragraphs (1) and (2) of this condition.</p> <p>(1) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with condition L-16 of this permit. After completing such corrective actions, the permittee shall perform a follow-up inspection for visible fugitive emissions in accordance with condition M-3 of this permit (40 CFR 63.11517(a)), at the primary vent, stack, exit, or opening from the building containing the welding operations.</p> <p>(2) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, and submit with the annual certification and compliance report as required by paragraph 5 of condition R-3 of this permit (40 CFR 63.11519(b)(5)). [40 CFR 63.11516(f)(3 and 4)]</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-18 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Point AA-003 and AA-005, if visible fugitive emissions are detected more than once during any consecutive 12 month period (notwithstanding the results of any follow-up inspections), the permittee shall comply with paragraphs (1) through (4) of this condition.</p> <p>(1) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, the permittee shall conduct a visual determination of emissions opacity, as specified in condition M-5 of this permit (40 CFR 63.11517(c)), at the primary vent, stack, exit, or opening from the building containing the welding operations.</p> <p>(2) In lieu of the requirement of condition L-17 to perform visual determinations of fugitive emissions with EPA Method 22, the permittee shall perform visual determinations of emissions opacity in accordance with condition M-6 of this permit (40 CFR 63.11517(d)), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.</p> <p>(3) The permittee shall keep a record of each visual determination of emissions opacity performed in accordance with paragraphs (1) or (2) of this condition, along with any subsequent corrective action taken, in accordance with the requirements in paragraph 3 of condition R-3 of this permit (40 CFF 63.11519(c)(3)).</p> <p>(4) The permittee shall report the results of all visual determinations of emissions opacity performed in accordance with paragraphs (1) or (2) of this condition, along with any subsequent corrective action taken, and submit with the annual certification and compliance report as required by paragraph 6 of condition S-5 of this permit (40 CFR 63.11519(b)(6)). [40 CFR 63.11516(f)(5)]</p> |
| L-19 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Points AA-003 and AA-005, the permittee shall submit requirements for opacities less than or equal to 20 percent but greater than zero. For each visual determination of emissions opacity performed in accordance with condition L-18 of this permit for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, the permittee shall perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with condition L-16 of this permit. [40 CFR 63.11516(f)(6)]</p> |

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Limitation Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| L-20 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Point AA-003 and AA-005, for each visual determination of emissions opacity performed in accordance with condition L-17 of this permit for which the average of the six-minute average opacities recorded exceeds 20 percent, the permittee shall comply with the requirements in paragraphs (1) through (5) of this condition.</p> <p>(1) The permittee shall submit a report of exceedence of 20 percent opacity, along with the annual certification and compliance report, as specified in paragraph 7 of condition S-5 of this permit (40 CFR 63.11519(b)(7)) and according to the requirements of paragraph 1 of condition S-5 of this permit (40 CFR 63.11519(b)(1)).</p> <p>(2) Within 30 days of the opacity exceedence, the permittee shall prepare and implement a Site-Specific Welding Emissions Management Plan. If the permittee has already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, the permittee shall prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.</p> <p>(3) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, the permittee shall continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in condition M-** of this permit (40 CFR 63.11517(d)), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.</p> <p>(4) The permittee shall maintain records of daily visual determinations of emissions opacity performed in accordance with paragraph (3) of this condition, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in paragraph 8 of condition S-5 of this permit (40 CFR 63.11519(b)(8)).</p> <p>(5) The permittee shall include these records in the annual certification and compliance report, according to the requirements of paragraph 1 of condition S-5 of this permit (40 CFR 63.11519(b)(1)). [40 CFR 63.11516(f)(7)]</p> |

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Limitation Requirements:

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|---------------|-----------|--|
| L-21 | | <p>40 CFR 63 Subpart XXXXXX - Welding Limitations Continued:</p> <p>For Emission Point AA-003 and AA-005, the Site-Specific Welding Emissions Management Plan shall comply with the requirements in paragraphs (1) through (3) of this condition.</p> <p>(1) Site-Specific Welding Emissions Management Plan shall contain the information in paragraphs (1)(i) through (vi) of this condition.</p> <p>(i) Company name and address;</p> <p>(ii) A list and description of all welding operations which currently comprise the welding affected source;</p> <p>(iii) A description of all management practices and/or fume control methods in place at the time of the opacity exceedence;</p> <p>(iv) A list and description of all management practices and/or fume control methods currently employed for the welding affected source;</p> <p>(v) A description of additional management practices and/or fume control methods to be implemented pursuant to paragraph 2 of condition L-16 of this permit, and the projected date of implementation; and</p> <p>(vi) Any revisions to a Site-Specific Welding Emissions Management Plan shall contain copies of all previous plan entries, pursuant to paragraphs (1)(iv) and (v) of this condition.</p> <p>(2) The Site-Specific Welding Emissions Management Plan shall be updated annually to contain current information, as required by paragraphs (ii) through (iii) of this condition, and submitted with the annual certification and compliance report, according to the requirements of paragraph 1 of condition S-5 of this permit (40 CFR 63.11519(b)(1)).</p> <p>(3) The permittee shall maintain a copy of the current Site-Specific Welding Emissions Management Plan in the records in a readily-accessible location for inspector review, in accordance with the requirements in paragraph 6 of condition R-4 of this permit (40 CFR 63.11519(c)(12)). [40 CFR 63.11516(f)(8)]</p> |

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Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| M-1 | | <p>Monitoring Requirements</p> <p>For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used:</p> <ul style="list-style-type: none">(a) The quantity used (gallons);(b) The percentage of VOCs by weight;(c) The percentage of each individual HAP and total HAP by weight;(d) The density (lbs/gal); <p>The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [11 Miss. Admin. Code Pt. 2, R.2.2.B(11).]</p> |
| M-2 | | <p>Monitoring Requirements</p> <p>For the entire facility, the permittee shall determine the following for PM/PM10/PM2.5 emissions:</p> <ul style="list-style-type: none">(a) The amount of abrasive blasting medium consumed;(b) The amount of abrasive blasting hours;(c) The amount of welding electrodes and/or medium consumed;(d) The amount of metal entering the manufacturing process such that the metal surface is altered. <p>The permittee may utilize data supplied by the manufacturer, or analysis of PM/PM10/PM2.5 emissions by EPA Test Methods 1-5, 40 CFR 60 Appendix A, and/or an alternate EPA approved test method(s). [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]</p> |

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Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|--|
| M-3 | | <p>40 CFR 63 Subpart XXXXXX - Monitoring Requirements:</p> <p>For Emission Points AA-002, AA-003, and AA-005, visual determination of fugitive emissions shall be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. The permittee shall conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test shall be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period. [40 CFR 63.11517(a)]</p> |
| M-4 | | <p>40 CFR 63 Subpart XXXXXX - Monitoring Requirements Continued:</p> <p>For Emission Point AA-002, AA-003, and AA-005, visual determinations of fugitive emissions shall be performed in accordance with condition M-3 of this permit and according to the schedule in paragraphs (1) through (4) of this condition.</p> <p>(1) Daily Method 22 Testing. Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process.</p> <p>(2) Weekly Method 22 Testing. If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests, performed in accordance with paragraph (1) of this condition for 10 days of work day operation of the process, the permittee may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, the permittee shall resume EPA Method 22 testing of that operation once per day during each day that the process is in operation, in accordance with paragraph (1) of this condition.</p> <p>(3) Monthly Method 22 Testing. If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with paragraph (2) of this condition, the permittee shall decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions are detected during these tests, the permittee shall resume weekly EPA Method 22 in accordance with paragraph (2) of this condition.</p> <p>(4) Quarterly Method 22 Testing. If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with paragraph (3) of this condition, the permittee may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, the permittee shall resume monthly EPA Method 22 in accordance with paragraph (3) of this condition. [40 CFR 63.11517(b)]</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| M-5 | | <p>40 CFR 63 Subpart XXXXXX - Monitoring Requirements Continued:</p> <p>For Emission Point AA-003 and AA-005, visual determination of emissions opacity shall be performed in accordance with the procedures of EPA Method 9, of 40 CFR part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes. [40 CFR 63.11517(c)]</p> |
| M-6 | | <p>40 CFR 63 Subpart XXXXXX - Monitoring Requirements Continued:</p> <p>For Emission Point AA-003 and AA-005, the permittee shall perform visual determination of emissions opacity in accordance with condition M-5 of this permit and according to the schedule in paragraphs (1) through (5) of this condition.</p> <p>(1) Daily Method 9 testing for welding, Tier 2 or 3. Perform visual determination of emissions opacity once per day during each day that the process is in operation.</p> <p>(2) Weekly Method 9 testing for welding, Tier 2 or 3. If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with paragraph (1) of this condition does not exceed 20 percent for 10 days of operation of the process, the permittee may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, the permittee may resume testing every day of operation of the process according to the requirements of paragraph (1) of this condition.</p> <p>(3) Monthly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (2) of this condition does not exceed 20 percent for four consecutive weekly tests, the permittee may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, the permittee shall resume testing every five days of operation of the process according to the requirements of paragraph (2) of this condition.</p> <p>(4) Quarterly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with paragraph (3) of this condition does not exceed 20 percent for three consecutive monthly tests, the permittee may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Monitoring Requirements:

| Condition No. | Parameter | Condition |
|---------------|-----------|---|
| | | quarterly test, the permittee shall resume testing every 21 days (month) of operation of the process according to the requirements of paragraph (3) of this condition. (5) Return to Method 22 testing for welding, Tier 2 or 3. If, after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with paragraph (3) of this condition does not exceed 20 percent, the permittee may resume EPA Method 22 testing as in paragraphs 3 and 4 of condition M-3 of this permit. In lieu of this, the permittee may elect to continue performing EPA Method 9 tests in accordance with paragraphs (3) and (4) of this condition. [40 CFR 63.11517(d)] |

Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|--|
| R-1 | Recordkeeping Requirements For the entire facility, the permittee shall maintain sufficient records to document: (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material and the total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used on a monthly basis and in each consecutive 12-month period on a rolling monthly basis; (b) The VOC and HAP content(s) of each coating, adhesive, solvent or other VOC or HAP containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data; (c) The density of each coating, adhesive, solvent or other VOC or HAP containing material used; (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/yr for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).] |

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Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|---|
| R-2 | <p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records to document:</p> <ul style="list-style-type: none">(a) The amount of abrasive blasting medium consumed on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(b) The amount of abrasive blasting hours on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(c) The amount of welding electrodes and/or medium consumed on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(d) The amount of metal entering the manufacturing process such that the metal surface is altered on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(e) The total PM and PM10 emission rate in tons per month and tons per year for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).] |

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Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|---|
| R-3 | <p>40 CFR 63 Subpart XXXXXX - Recordkeeping Requirements:</p> <p>For Emission Points AA-002, AA-003, and AA-005, the permittee shall keep records of information specified in paragraphs (1) through (9) of this condition.</p> <p>(1) Maintain information specified in paragraphs (1)(i) through (ii).</p> <p>(i) Each notification and report, and the documentation supporting each notification and report.</p> <p>(ii) Records of the applicability determinations according to L-1 of the Group 1 Limitation Requirements (40 CFR 63.11514(b)(1) - (3) and (5)), including changes and when they occurred, shall be maintained for 5 years.</p> <p>(2) Maintain a record of the information specified in paragraphs (2)(i) through (iii) for each affected source which performs visual determination of fugitive emissions in accordance with condition M-3 of this permit (40 CFR 63.11517(a)).</p> <p>(i) The date and results of every visual determination of fugitive emissions;</p> <p>(ii) A description of any corrective action taken subsequent to the test; and</p> <p>(iii) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions.</p> <p>(3) Maintain a record of the information specified in paragraphs (3)(i) through (iii) for each affected source which performs visual determination of emissions opacity in condition M-5 of this permit (40 CFR 63.11517(c)).</p> <p>(i) The date of every visual determination of emissions opacity; and</p> <p>(ii) The average of the six-minute opacities measured by the test; and</p> <p>(iii) A description of any corrective action taken subsequent to the test.</p> <p>(4) Maintain a record of the manufacturer's specifications for the control devices used to comply with L-9 through L-21.</p> <p>(5) The permittee shall maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan (SSWEMP), in paragraph 3 of condition L-20 of this permit (40 CFR 63.11516(f)(7)(iii)). [40 CFR 63.11519(c)(1-4, 11-15)]</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Record-Keeping Requirements:

| Condition No. | Condition |
|---------------|---|
| R-4 | <p>Continued from Condition R-3:</p> <p>(6) If the permittee has been required to prepare a plan in paragraph 3 of condition L-20 of this permit (40 CFR 63.11516(f)(7)(iii)), the permittee shall maintain a copy of the current SSWEMP in the records.</p> <p>(7) If the permittee complies by operating any equipment according to manufacturer's instruction, the permittee shall keep these instructions for inspector review.</p> <p>(8) If the permittee operates a welding source which is not required to comply with the requirements of L-15 through L-21 (40 CFR 63.11516(f)(3) through (8)) because it uses less than 2,000 pounds per year of welding rod, the permittee shall maintain records demonstrating the welding rod usage.</p> <p>(9) The records shall be maintained according to the requirements in paragraphs (9)(i) through (iii).</p> <p>(i) The records shall be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).</p> <p>(ii) As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years.</p> <p>(iii) The permittee shall keep each record on site for at least 2 years according to 40 CFR 63.10(b)(1). The permittee shall keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(1-4, 11-15)]</p> |

Submittal/Action Requirements:

| Condition No. | Condition |
|---------------|---|
| S-1 | <p>General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p> |
| S-2 | <p>Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]</p> |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Submittal/Action Requirements:

| Condition No. | Condition |
|---------------|--|
| S-3 | <p>For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following:</p> <ul style="list-style-type: none">(a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used;(b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used;(c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used in each consecutive 12-month period on a rolling monthly basis;(d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).] |
| S-4 | <p>For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following:</p> <ul style="list-style-type: none">(a) The amount of abrasive blasting medium consumed on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(b) The amount of abrasive blasting hours on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(c) The amount of welding electrodes and/or medium consumed on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(d) The amount of metal entering the manufacturing process such that the metal surface is altered on a monthly basis and in each consecutive 12-month period on a rolling monthly basis;(e) The total PM and PM10 emission rate in tons per month and tons per year for each consecutive 12-month period on a rolling monthly basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11).] |
| S-5 | <p>40 CFR 63 Subpart XXXXXX - Submittal Requirements:</p> <p>For Emission Point AA-002, AA-003, and AA-005, the permittee shall comply with the following reporting requirements:</p> <ul style="list-style-type: none">(1) The permittee shall prepare and submit annual reports for each affected source according to paragraphs (2) through (6).(2) The permittee shall prepare and submit each annual report according to the dates specified in paragraphs (2)(i) through (iii) of this condition.<ul style="list-style-type: none">(i) The first annual report shall cover the first annual reporting period which begins the day after the compliance date and ends on December 31.(ii) Each subsequent annual report shall cover the subsequent semiannual reporting period from January 1 through December 31.(iii) Each annual report, including exceedance reports if one has occurred, shall be prepared and submitted no later than January 31.(3) The annual report shall contain the information in paragraphs (3)(i) through (iii) and paragraphs (b)(4) through (5) that is applicable to each affected source.<ul style="list-style-type: none">(i) Company name and address;(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Submittal/Action Requirements:

| Condition No. | Condition |
|---------------|--|
| | <p>information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.</p> <p>(4)The annual report shall contain the information specified in paragraphs (4)(i) through (iii) for each affected source which performs visual determination of fugitive emissions in accordance with condition M-3 of this permit (40 CFR 63.11517(a)).</p> <p>(i) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions;</p> <p>(ii) A description of the corrective actions taken subsequent to the test; and</p> <p>(iii) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions.</p> <p>(5)The annual report shall contain the information specified in paragraphs (5)(i) through (iii) for each affected source which performs visual determination of emissions opacity in accordance with condition M-5 of this permit (40 CFR 63.11517(c)).</p> <p>(i) The date of every visual determination of emissions opacity;</p> <p>(ii) The average of the six-minute opacities measured by the test; and</p> <p>(iii) A description of any corrective action taken subsequent to the test.</p> <p>(6) As required by paragraph 1 of condition L-15 of this permit (40 CFR 63.11516(f)(7)(i)), the permittee shall prepare an exceedence report whenever the average of the six-minute average opacities recorded during a visual determination of emissions opacity exceeds 20 percent. This report shall be submitted along with the annual report according to the requirements in paragraph (1), and shall contain the information in paragraphs (6)(i) and (ii).</p> <p>(i) The date on which the exceedence occurred; and</p> <p>(ii) The average of the six-minute average opacities recorded during the visual determination of emissions opacity.</p> <p>(7)The permittee shall submit a copy of the records of daily visual determinations of emissions recorded in accordance with paragraph 3 of condition L-18 of this permit (40 CFR 63.11516(f)(7)(iii)), and a copy of the SSWEMP and any subsequent revisions to the plan pursuant to condition L-20 of this permit (40 CFR 63.11516(f)(8)), along with the annual report, according to the requirements in paragraph (1). [40 CFR 63.11519(b)]</p> |

Narrative Requirements:

| Condition No. | Condition |
|---------------|---|
| T-1 | General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b] |

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AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Narrative Requirements:

| Condition No. | Condition |
|---------------|---|
| T-2 | General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.] |
| T-3 | General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)] |
| T-4 | General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.] |
| T-5 | General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.] |
| T-6 | General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21] |
| T-7 | General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to: (a) Violation of any terms or conditions of this permit (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.] |
| T-8 | General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).] |

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Narrative Requirements:

| Condition No. | Condition |
|---------------|---|
| T-9 | General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39] |
| T-10 | General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).] |
| T-11 | General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).] |
| T-12 | General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.] |
| T-13 | General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).] |
| T-14 | General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.] |
| T-15 | General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).] |
| T-16 | General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).] |

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Narrative Requirements:

| Condition No. | Condition |
|---------------|--|
| T-17 | <p>General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none">(a) routine maintenance, repair, and replacement;(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).] |
| T-18 | <p>General Condition: It shall not be a defense for a permittee 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 unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]</p> |
| T-19 | <p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]</p> |
| T-20 | <p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]</p> |

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Narrative Requirements:

| Condition No. | Condition |
|---------------|--|
| T-21 | <p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the 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 preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p> |
| T-22 | <p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p> |

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Utility Optimization Group LLC

Facility Requirements

Permit Number: 1280-00049

Activity ID No.:PER20150001

Page 25 of 25

AI0000006244 Manufacturer of high pressure vessel tanks, pipes, and other related products.:

Narrative Requirements:

| Condition No. | Condition |
|---------------|--|
| T-23 | <p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p> |
| T-24 | <p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p> |
| T-25 | <p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p> |

GENERAL INFORMATION

Utility Optimization Group LLC
6917 Stennis Boulevard
Moss Point, MS
Jackson County

Alternate/Historic Identifiers

| ID | Alternate/Historic Name | User Group | Start Date | End Date |
|--------------|---|-------------------------------|------------|------------|
| 6244 | Utility Optimization Group, LLC | Official Site Name | 03/19/2004 | |
| 2805900049 | Utility Optimization Group LLC | Air-AIRS AFS | 10/12/2000 | |
| MSD985975960 | T. C. Broome Construction Company, Inc. | Hazardous Waste-EPA ID | 02/11/1992 | 12/15/2009 |
| 128000049 | T.C.Broome Construction Company, Inc. | Air-Synthetic Minor Operating | 01/09/1996 | 01/01/2001 |
| 128000049 | T.C.Broome Construction Company, Inc. | Air-Synthetic Minor Operating | 12/19/2000 | 11/30/2005 |
| 6244 | T.C.Broome Construction Company, Inc. | Historic Site Name | 01/09/1996 | 03/19/2004 |
| 128000049 | Utility Optimization Group, LLC | Air-Synthetic Minor Operating | 05/01/2006 | 04/30/2011 |
| 6244 | Utility Optimization Group, LLC | No Exposure Certification | 12/18/2009 | 10/02/2011 |
| MSD985975960 | Utility Optimization Group LLC | Hazardous Waste-EPA ID | 12/15/2009 | |
| 128000049 | Utility Optimization Group LLC | Air-Synthetic Minor Operating | 06/22/2011 | 02/11/2016 |
| MSR002051 | Utility Optimization Group LLC | GP-Baseline | 10/19/2011 | 01/06/2016 |
| MSG130351 | Utility Optimization Group, LLC | GP-Hydrostatic Testing | 03/07/2012 | 08/31/2016 |
| MSR002051 | Utility Optimization Group, LLC | GP-Baseline | 01/06/2016 | 10/31/2020 |
| 128000049 | Utility Optimization Group LLC | Air-Synthetic Minor Operating | 02/11/2016 | 01/31/2021 |

Basin: Coastal Streams Basin

Location Description:

PG - Plant Entrance (General). Data collected by Kim Lawrence on 01/16/2004. 14FT ALT
26FT

GENERAL INFORMATION

Relevant Documents:

40 CFR Part 63, Subpart A
40 CFR Part 63, Subpart XXXXXX