

State of Mississippi

FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source



Mississippi Tank and Manufacturing Company 3000 West 7th Street Hattiesburg, MS Forrest 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: NOV 0 9 2015

Expires: 001 3 1 2020

Permit No.

0800-00061

Agency Interest # 6151

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Mississippi Tank and Manufacturing Company Subject Item Inventory Permit Number: 0800-00061 Activity ID No.: PER20140001

Subject Item Inventory:

ID	Designation	Description
AI6151	0800-00061	Manufacturer of High Pressure Vessel Tanks
AREA1	AB-003	Blasting Operation equipped with a Torit Downflo Dust Collector Baghouse.
AREA2	AB-001	Automatic and Handheld Welding Operations
AREA4	AB-008	Maintenance Flaring Operation.
AREA5	AB-011	Facility Wide Miscellaneous Manufacturing Operations including but not limited to: Cutting, Grinding, Beveling, Blasting, Welding, Miscellaneous Fabrication, and Repair.
EQPT1	AB-004a	One (1) Double Bay Paint Booth equipped with a 0.675 MMBTU/Hr natural gas fired Process Heater.
EQPT2	AB-005	One (1) Single Bay Paint Booth equipped with a 3.485 MMBTU/Hr natural gas fired Process Heater.
EQPT3	AB-002	One (1) 5.51 MMBTU/HR natural gas fired Stress Relieving Oven.
EQPT4	AB-006	One (1) 0.19 MMBTU/HR natural gas fired Space Heater.
EQPT5	AB-007	Eleven (11) 50 Gallon natural gas-fired Hot Water Heaters.
EQPT6	AB-009	One (1) 645 Gallon Horizontal Diesel Tank.
EQPT7	AB-010	One (1) 12,000 Gallon Horizontal Propane Tank.
EQPT8	AB-004b	One (1) Single Bay Paint Booth equipped with a 3.00 MMBTU/Hr natural gas fired Process Heater.
EQPT9	AB-012	One (1) 8.0 MMBTU/HR natural gas fired Stress Relieving Oven

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KEY

ACT = Activity AI = Agency Interest

AREA = Area CAFO = Concentrated Animal Feeding Operation

CONT = Control Device EQPT = Equipment

IA = Insignificant Activity IMPD = Impoundment

MAFO = Animal Feeding Operation PCS = PCS

RPNT = Release Point TRMT = Treatment

WDPT = Withdrawal Point

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter:
		For the entire facility, the permittee shall not cause or allow the emission of particulate matter in total quantities in any one hour from any manufacturing process, which includes any associated stacks, vents, outlets, or combination thereof, to exceed the amount determined by the relationship
		E = 4.1 p 0.67
		where E is the emission rate in pounds per hour and p is the process weight input rate in tons per hour. Conveyor discharge of coarse solid matter may be allowed if no nuisance is created beyond the property boundary where the discharge occurs. [11 Miss. Admin. Code Pt. 2, R. 1.3.F(1).]
L-2	Particulate Matter	Particulate Matter:
		For the entire facility, the maximum permissible emission of ash and/or particulate matter from 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-3	Particulate Matter	Particulate Matter:
		For the entire facility, the permittee shall limit the facility's Particulate Matter (PM / PM10 / PM2.5) emissions to no more than 99.0 tons/year (TPY) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Parameter	Condition
L-4	Opacity	Opacity:
		For the entire facility, the permittee shall not cause or allow the emission of smoke from a point source into the open air from any manufacturing, industrial, commercial or waste disposal process which exceeds forty percent opacity. Startup operations may produce emissions which exceed 40% opacity for up to fifteen minutes per startup in any one hour and not to exceed three startups per stack in any twenty-four hour period. [11 Miss. Admin. Code Pt. 2, R. 1.3.A.]
L-5	Sulfur Dioxide	Sulfur Dioxide:
		For the entire facility, the maximum discharge of sulfur oxides from any 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 - 6	VOC	VOC:
		For the entire facility, the permittee shall limit the facility's total Volatile Organic Compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-7	HAP, Total (Limit)	HAP, Total (Limit):
		For the entire facility, the permittee shall limit the facility's combined Hazardous Air Pollutants (HAP) emissions to no more than 24.9 tons/year (TPY) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
L-8	HAP, Individual (Limit)	HAP, Individual (Limit):
		For the entire facility, the permittee shall limit the facility's individual Hazardous Air Pollutants (HAP) emissions to no more than 9.9 tons/year (TPY) as determined for each rolling consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10).]

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Condition		
No.	Parameter	Condition
L-9		40 CFR Part 63 Subpart XXXXXX:
		The permittee is subject to 40 CFR Part 63 Subpart XXXXXX - National Emission standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories because the permittee operates an area source that is primarily engaged in operations in the Fabricated Structural Metal Manufacturing source category.
		The permittee is specifically subject to the Metal Finishing Hazardous Air Pollutant (MFHAP) Provisions as described in 40 CFR 63.11514(b)(1),(2), and (5), for the Dry Abrasive Blasting Operations, Machining Operations, and Welding Operations. 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. [40 CFR 63.11514(a), 40 CFR 63.11514(b)(1, 2, 3, 5)]

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Condition		
No.	Parameter	Condition
L-10		DRY ABRASIVE BLASTING STANDARDS:
		The permittee shall comply with the requirements in paragraph(s) following, for each dry abrasive blasting operation that uses materials that contain or have the potential to emit MFHAP.
		(1) The permittee operates an abrasive blasting chamber that is totally enclosed and vented, as defined in 40 CFR Part 63.11522, and the permittee shall implement management practices to minimize emissions of MFHAP. These management practices are the practices specified in paragraphs (i) and (ii)(A-C) below.
		(i) The permittee must capture emissions and vent them to a filtration control device. The permittee must operate the filtration control device according to manufacturer's instructions, and the permittee must 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 §63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"
		(ii) The permittee must implement the management practices to minimize emissions of MFHAP as specified in paragraphs (ii)(A) through (C) of this section.
		(A) The permittee must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and
		(B) The permittee must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and
		(C) The permittee must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions. [40 CFR 63.11516(a)(2)]
L-11		DRY ABRASIVE BLASTING STANDARDS (continued):
		The permittee shall comply with the requirements in paragraph(s) following, for each dry abrasive blasting operation that

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uses materials that contain or have the potential to emit MFHAP.

- (2) The permittee operates an abrasive blasting chamber that is used for the dry abrasive blasting of objects greater than 8 feet in any one dimension, as defined in 40 CFR Part 63.11522, and the permittee shall implement management practices to minimize emissions of MFHAP. These management practices are the practices specified in paragraphs (i)(A-E), (ii)(A), (iii), and (iv)(A-B) below:
- (i) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in paragraphs (A) through (E) of this section.
- (A) The permittee must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and
- (B) The permittee must enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material; and
- (C) The permittee must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions: and
- (D) The permittee must not re-use dry abrasive blasting media unless contaminants (i.e., any material other than the base metal, such as paint residue) have been removed by filtration or screening, and the abrasive material conforms to its original size; and
- (E) Whenever practicable, the permittee must switch from high particulate matter (PM)-emitting blast media (e.g., sand) to low PM-emitting blast media (e.g., crushed glass, specular hematite, steel shot, aluminum oxide), where PM is a surrogate for MFHAP.
- (ii) The permittee must perform visual determinations of fugitive emissions, as specified in §63.11517(b), "What are my monitoring requirements?", according to the paragraph (A) below:
- (A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, the permittee must perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations.
- (iii) The permittee must keep a record of all visual determinations of fugitive emissions along with any corrective action

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		taken in accordance with the requirements in §63.11519(c)(2), "What are my notification, recordkeeping, and reporting requirements?"
		(iv) If visible fugitive emissions are detected, the permittee must perform corrective actions until the visible fugitive emissions are eliminated, at which time the permittee must comply with the requirements in paragraphs (A) and (B) of this section. (A) The permittee must perform a follow-up inspection for visible fugitive emissions in accordance with §63.11517(a), "Monitoring Requirements." (B) The permittee must 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 permittee's annual certification and compliance report as required by §63.11519(b)(5), "Notification, recordkeeping, and reporting requirements.". [40 CFR 63.11516(a)(3)i, ii(B), iii, iv]
L-12		MACHINING STANDARDS:
		The permittee shall implement management practices to minimize emissions of MFHAP as specified in paragraphs (1) and (2) below for each machining operation that uses materials that contain or have the potential to emit MFHAP.
		(1) The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable.
		(2) The permittee shall operate all equipment associated with machining according to manufacturer's instructions. [40 CFR 63.11516(b)]

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Condition		
No.	Parameter	Condition
L-13		DRY GRINDING AND DRY POLISHING STANDARDS:
		If the permittee owns or operates a new or existing dry grinding and dry polishing with machines affected source, the permittee must comply with the requirements of paragraphs (1) and (2) of this section for each dry grinding and dry polishing with machines operation that uses materials that contain MFHAP, as defined in §63.11522.
		(1) The permittee must capture emissions and vent them to a filtration control device. The permittee must 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 §63.11519(c)(4), "Notification, recordkeeping, and reporting Requirements."
		(2) The permittee must implement management practices to minimize emissions of MFHAP as specified in paragraphs (2)(i) and (ii) of this section.
		(i) The permittee must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
		(ii) The permittee must 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)(1-2)]

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Condition		
No.	Parameter	Condition
L-14		WELDING STANDARDS:
		The permittee shall comply with the following for each welding operation that uses materials that contain MFHAP or have 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.
		(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 found in 40 CFR 63.11519 (c)(4).
		(2) The permittee shall implement one or more of the management practices specified in paragraphs (i) through (v) below to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.
		 (i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW) also called metal inert gas welding (MIG)). (ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates. (iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation. (iv) 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. (v) Use a welding fume capture and control system, operated according to the manufacturer's specifications. [40 CFR 63.11516(f)(1-2)]

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Condition		
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L-15		WELDING STANDARDS (continued):
		The permittee uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12 -month basis), and must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in paragraphs (3) through (8) below.
		(3) Tier 1 compliance requirements.
		The permittee shall perform visual determinations of welding fugitive emissions as specified in Condition M-3 of this permit/ (40 CFR Part 63.11517(b)), at the primary vent, stack, exit, or opening from the building containing the welding operations. The permittee must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in Condition R-4 of this permit/(40 CFR Part 63.11519(c)(2)).
		(4) Requirements upon initial detection of visible emissions.
		If visible fugitive emissions are detected during any visual determination required in paragraph (3) above, the permittee shall comply with the requirements in paragraphs (i) and (ii) below.
		(i) 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-14 of this permit/(40 CFR Part 63.11516(f)(2)). After completing such corrective actions, the permittee must perform a follow-up inspection for visible fugitive emissions in accordance with Condition M-3 of this permit/(40 CFR Part 63.11517(a)), at the primary vent, stack, exit, or opening from the building containing the welding operations.
		(ii) 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 your annual certification and compliance report as required by Condition S-5 of this permit/(40 CFR Part 63.11519(b)(5)). [40 CFR 63.11516(f)(3-4)]

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Limitation Requirements:

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WELDING STANDARDS (continued):

(5) Tier 2 requirements upon subsequent detection of visible emissions.

If visible fugitive emissions are detected more than once during any consecutive 12 month period (notwithstanding the results of any follow-up inspections), you shall comply with paragraphs (i) through (iv) below.

- (i) 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-3 of this permit/(40 CFR Part 63.11517(c)), at the primary vent, stack, exit, or opening from the building containing the welding operations.
- (ii) In lieu of the requirement of paragraph (3) found on the previous page, 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-4 of this permit/(40 CFR Part 63.11517(d)), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.
- (iii) The permittee shall keep a record of each visual determination of emissions opacity performed in accordance with paragraphs (i) or (ii) above, along with any subsequent corrective action taken, in accordance with the requirements in Condition R-4 of this permit/(40 CFR Part 63.11519(c)(3)).
- (iv) The permittee shall report the results of all visual determinations of emissions opacity performed in accordance with paragraphs (i) or (ii) above, along with any subsequent corrective action taken, and submit with your annual certification and compliance report as required by Condition S-5 of this permit/(40 CFR Part 63.11519(b)(6)).
- (6) 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 paragraph (5) above 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-14 of this permit/(40 CFR Part 63.11516(f)(2)). [40 CFR 63.11516(f)(5-6)]

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Condition No.	Parameter	Condition
L-17		WELDING STANDARDS (continued):
		(7) Tier 3 requirements for opacities exceeding 20 percent.
		For each visual determination of emissions opacity performed in accordance with paragraph (5), found on the previous page, for which the average of the six-minute average opacities recorded exceeds 20 percent, the permittee shall comply with the requirements in paragraphs (i) through (v) below.
		(i) The permittee shall submit a report of exceedence of 20 percent opacity, along with your annual certification and compliance report, as specified in Condition S-5 of this permit/(40 CFR Part 63.11519(b)(8)), and according to the requirements of Condition S-5 of this permit/(40 CFR Part 63.11519(b)(1)). (ii) Within 30 days of the opacity exceedence, the permittee shall prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in paragraph (8), found on the following page. 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. (iii) 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-4 of this permit/(40 CFR Part 63.11517(d)), using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

- (iv) The permittee shall maintain records of daily visual determinations of emissions opacity performed in accordance with paragraph (iii) above, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in Condition S-5 of this permit/(40 CFR Part 63.11519(b)(9)).
- (v) The permittee shall include these records in your annual certification and compliance report, according to the requirements of Condition S-5 of this permit/(40 CFR Part 63.11519(b)(1)). [40 CFR 63.11516(f)(7)]

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Limitation Requirements:

Condition		
No.	Parameter	Condition
L-18		WELDING STANDARDS (continued):
		(8) Site-Specific Welding Emissions Management Plan (SSWEMP).
		The Site-Specific Welding Emissions Management Plan shall comply with the requirements in paragraphs (i) through (iii) below.
		(i) Site-Specific Welding Emissions Management Plan shall contain the information in paragraphs (A) through (F) below.
		 (A) Company name and address; (B) A list and description of all welding operations which currently comprise the welding affected source; (C) A description of all management practices and/or fume control methods in place at the time of the opacity exceedence; (D) A list and description of all management practices and/or fume control methods currently employed for the welding affected source; (E) A description of additional management practices and/or fume control methods to be implemented pursuant to paragraph (ii) below, and the projected date of implementation; and (F) Any revisions to a Site-Specific Welding Emissions Management Plan shall contain copies of all previous plan entries, pursuant to paragraphs (D) and (E) above.
		(ii) The Site-Specific Welding Emissions Management Plan shall be updated annually to contain current information, as required by paragraphs (A) through (C) above, and submitted with your annual certification and compliance report, according to the requirements of Condition S-5 of this permit/(40 CFR Part 63.11519(b)(1)).

(iii) The permittee shall maintain a copy of the current Site-Specific Welding Emissions Management Plan in the permittee's records in a readily-accessible location for inspector review, in accordance with the requirements in Condition R-4 of this permit/(40 CFR Part 63.11519(c)(12)). [40 CFR 63.11516(f)(8)]

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Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		Particulate Matter:
		For the entire facility, the permittee shall determine the following for PM / PM10 / PM2.4 emissions: (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. 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).]
M-2		VOCs / Individual HAPs / Total HAPs:
		For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used: (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); 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(10).]

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Visual determination of fugitive emissions. [40 CFR Part 63.11517(a)]

(a) 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.

Visual determination of fugitive emissions, graduated schedule. [40 CFR Part 63.11517(b)]

- (b) Visual determinations of fugitive emissions shall be performed in accordance with paragraph (a) of above and according to the schedule in paragraphs (1) through (4) below.
- (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.
- (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) above 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) above.
- (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) above, the permittee may 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) above.
- (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) above, 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) above.

Visual determination of emissions opacity for welding Tier 2 or 3. [40 CFR Part 63.11517(c)]

(c) 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(a-c)]

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Monitoring Requirements:

Condition No. Pa	arameter	Condition
M-4		Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule. [40 CFR Part 63.11517(d)] (d) The permittee shall perform visual determination of emissions opacity in accordance with Condition M-2 of this permit/ (40 CFR Part 63.11517(c)) and according to the schedule in paragraphs (1) through (5) below. (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. (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) above 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 shall resume testing every day of operation of the process according to the requirements of paragraph (1) above. (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) above 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) above. (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) above does not exceed 20 percent for three consecutive monthly tests, the permittee may decrease the frequency of EPA Meth

(3) above.
(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) above does not exceed 20 percent, the permittee may resume EPA Method 22 testing as in paragraphs (3) and (4) above. In lieu of this, the permittee may elect to continue performing EPA Method 9 tests in accordance with paragraphs (3) and (4) above. [40 CFR 63.11517(d)]

permittee shall resume testing every 21 days (month) of operation of the process according to the requirements of paragraph

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Record-Keeping Requirements:

Condition No.	Condition
R-1	Particulate Matter:
	For the entire facility, the permittee shall maintain sufficient records to document: (a) The amount of abrasive blasting medium consumed on a monthly basis and in each consecutive 12-month period on a rolling basis; (b) The amount of abrasive blasting hours on a monthly basis and in each consecutive 12-month period on a rolling 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 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 basis; (e) The total PM / PM10 / PM2.5 emission rates in tons per month and tons per year for each consecutive 12-month period on a rolling basis. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]
R-2	VOCs / Individual HAPs / Total HAPs:
	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

- (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;
- (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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Record-Keeping Requirements:

Record-Keeping Requirements:		
Condition No.	Condition	
R-3	The permittee shall collect and keep records of the data and information specified in paragraphs (1) through (7) below, according to the requirements in paragraph (8) below. (1) Maintain information specified in paragraphs (i) and (ii) below for each affected source. (i) Each notification and report that the permittee submitted to comply with this subpart, and the documentation supporting each notification and report. (ii) Records of the applicability determinations according to 40 CFR Part 63.11514(b)(1-2) and (5), listing equipment included in its affected source, as well as any changes to that and on what date they occurred, shall be maintained for 5 years and be made available for inspector review at any time. (2) Maintain a record of the information specified in paragraphs (i) through (iii) below for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR Part 63.11517(a). (i) The date and results of every visual determination of fugitive emissions performed after the corrective actions. (3) Maintain a record of the information specified in paragraphs (i) through (iii) below for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR Part 63.11517(c). (i) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions. (3) Maintain a record of the information specified in paragraphs (i) through (iii) below for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR Part 63.11516(.) (i) The average of the six-minute opacities measured by the test; and (iii) A description of any corrective action taken subsequent to the test. (4) Maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR Part 63.11516. (5) The permittee shall maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Speci	

or record.

(iii) The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record 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)(11-13)(15)]

(ii) As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, corrective action, report,

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Record-Keeping Requirements:

Condition No.	Condition
R-4	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.]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Submittal/Action Requirements:

Condition No.	Condition
S-1	The permittee shall prepare and submit annual reports for each affected source and shall comply with the following reporting requirements: (1) Each annual report, including exceedance reports if one has occurred, shall cover the subsequent annual reporting period from January 1 through December 31, and shall be prepared and submitted no later than January 31. (2) The annual report shall contain the following information: (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 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. (3) The annual report shall contain the information specified in paragraphs (i) through (iii) below for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR 63.11517(a).
	 (i) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions; (ii) A description of the corrective actions taken subsequent to the test; and (iii) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions.
	 (4) The annual report shall contain the information specified in paragraphs (i) through (iii) below for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR 63.11517(c). (i) The date of every visual determination of emissions opacity; (ii) The average of the six-minute opacities measured by the test; and
	 (iii) A description of any corrective action taken subsequent to the test. (5) As required by 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) above, and shall contain the following information: (i) The date on which the exceedence occurred; and
	(ii) The average of the six-minute average opacities recorded during the visual determination of emissions opacity.

(6) The permittee shall submit a copy of the records of daily visual determinations of emissions recorded in accordance with 40 CFR 63.11516(f)(7)(iv), "Tier 3 requirements for opacities exceeding 20 percent," and a copy of the SSWEMP and any subsequent revisions to the plan pursuant to 40 CFR 63.11516(f)(8), along with

the annual certification and compliance report, according to the requirements in paragraph (1) above. [40 CFR 63.11519(b)(1-2)(4-6)(8-9)]

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Submittal/Action Requirements:

Condition No.	Condition
S-2	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).]
S-3	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).]

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]
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.]

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Condition No.	Condition
NO.	Condition
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).]
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).]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Condition
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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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Condition
T-17	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 emitted into the atmosphere by that facility or which results in the emission 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 emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation subject to regulation which members and the members of any air pollutant subject to regulation subject to regulation and the members of any air pollutant subject to regulation and the members of any permit due 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 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 an antural gas curtailment plan pursuant to the Federal Power Act; (c) use of an alternative fuel by reason of an order or rule under Sections 2(a) and (b) of the Federal Power Act; (c) use of an alternative fuel by reason of an order or rule under Sections 2(a) and (b) of the Federal Power Act; (d) use of an alternative
T-18	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).]
T-19	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).]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Condition
T-20	General Condition: Emergencies (a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforseeable 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. (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. (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. (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof. (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).]
T-21	General Condition: Upsets (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 DEO within five (5) working days of

- 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.
- (b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.
- (c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]

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AI0000006151 (0800-00061) Manufacturer of High Pressure Vessel Tanks:

Condition No.	Condition
T-22	General Condition: Startups and Shutdowns (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. (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. (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.]
T-23	General Condition: Maintenance (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. (b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof. (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.]
T-24	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.]

GENERAL INFORMATION

Mississippi Tank and Manufacturing Company 3000 West 7th Street Hattiesburg, MS Forrest County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
6151	Mississippi Tank and Manufacturing Company	Official Site Name	01/09/1996	
2803500061	Mississippi Tank & Manufacturing Company	Air-AIRS AFS	10/12/2000	
MSD112779970	Mississippi Tank Company, Inc.	Hazardous Waste-EPA ID	10/12/2000	
080000061	Mississippi Tank Company, Inc.	Air-Synthetic Minor Operating	01/09/1996	01/01/2001
080000061	Mississippi Tank Company, Inc.	Air-Synthetic Minor Operating	03/20/2001	09/29/2005
MSR001576	Mississippi Tank Company, Inc.	GP-Baseline	08/05/2002	11/16/2005
MSP091972	Mississippi Tank and Manufacturing Company	Water - Pretreatment	05/10/2004	12/10/2008
080000061	Mississippi Tank and Manufacturing Company	Air-Synthetic Minor Operating	09/30/2005	06/07/2010
MSR001576	Mississippi Tank and Manufacturing Company	GP-Baseline	11/17/2005	11/15/2010
MSP091972	Mississippi Tank and Manufacturing Company	Water - Pretreatment	12/10/2008	11/30/2013
080000061	Mississippi Tank and Manufacturing Company	Air-Synthetic Minor Operating	06/07/2010	05/31/2015
MSR001576	Mississippi Tank and Manufacturing Company	GP-Baseline	11/15/2010	09/28/2015
MSP091972	Mississippi Tank and Manufacturing Company	Water - Pretreatment	02/12/2014	01/31/2019
080000061	Mississippi Tank and Manufacturing Company	Air-Synthetic Minor Operating	11/09/2015	10/31/2020

Basin: Pascagoula River Basin

Location Description: PG- Plant Entrance (General). Data collected by j. Dewayne Headrick on 11/2/2005.