



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality – Permit Amendment

In accordance with The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to or in effect under that Act, Permit No. 3691-157-0065-E-01-0 issued on October 30, 2019 to:

Facility Name: SK Battery America, Inc.
Facility Address: 1760 Steve Reynolds Industrial Parkway
Commerce, Georgia 30529 (Jackson County)
Mailing Address: 120 Mercer Place
Commerce, Georgia 30529
Facility AIRS Number: 04-13-157-00065

for the following: Operation of a facility for the manufacture of lithium ion batteries

is hereby amended as follows: Construction and operation of Phase 2 which will include electrode manufacturing, assembly and formation of lithium ion cells (approximately 9.8 gigawatt-hrs/hr) for electric vehicle batteries.

Reason for Amendment: Application No. 27592 dated July 15, 2020

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 12 page(s).

This Permit Amendment is hereby made a part of Permit No. 3691-157-0065-E-01-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.



Richard E. Dunn, Director
Environmental Protection Division

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2. Allowable Emissions

MODIFIED CONDITION

- 2.3 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A – “*General Provisions*” and 40 CFR 60 Subpart Dc – “*Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*,” for the operation of Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5.
[40 CFR 60.40c]

MODIFIED CONDITION

- 2.4 The Permittee shall comply with all applicable provisions of 40 CFR 63 Subpart CCCCCC – “*National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing*,” and 40 CFR 63 Subpart A – “*General Provisions*” as detailed in Table 1 to 40 CFR 63 Subpart CCCCCC for the operation of the Phase 1 Cathode Powder Room Measure and Feed (ID Nos. PR02 and PR04) and associated Baghouses 1 and 2 (ID Nos. BH01 and BH02) and for the operation of Phase 2 Cathode Powder Room Measure, Feed, Vacuum Pump (ID Nos. 2PR02, 2PR04, 2PR05 and 2PR06) and associated baghouses (ID Nos. 2BH02, 2BH04, 2BH05 and 2BH06). See Attachment 1 of this Permit Amendment for the entirety of 40 CFR 63 Subpart CCCCCC.
[40 CFR 63.11599]

MODIFIED CONDITION

- 2.6 The Permittee shall not cause, let, suffer, permit, or allow any emissions from Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5 which:
- a. Contain fly ash and/or other particulate matter in amounts equal to or exceeding the rate derived from $P = 0.5(10/R)^{0.5}$ where R equals heat input rate in million BTU per hour and P equals the allowable emission rate in pounds per million BTU.
[391-3-1-.02(2)(d)2.(ii)]
 - b. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six minute period per hour of not more than 27 percent opacity.
[391-3-1-.02(2)(d)3.]

MODIFIED CONDITION

- 2.8 The Permittee shall not cause, let, suffer, permit, or allow emissions of NO_x, from Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5, exceeding 30 ppm at 3 percent O₂, dry basis during the period May 1 through September 30 of each year.
[Avoidance of 40 CFR 52.21, 391-3-1-.02(2)(III)]

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MODIFIED CONDITION

2.10 The Permittee shall not cause, let, suffer, permit, or allow emissions of CO from the following:

[Avoidance of 40 CFR 52.21]

- a. Exceeding 50 ppm at 3 percent O₂, dry basis, from Boilers BL01, BL02, BL03, BL04, and BL05
- b. Exceeding 80 ppm at 3 percent O₂, dry basis, from Hot Oil Heaters OH1, OH2, OH3, OH4, and OH5

MODIFIED CONDITION

2.11 The Permittee shall fire only natural gas in Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5.

[Avoidance of 40 CFR 52.21 and 40 CFR 63.11195(e); 391-3-1-.02(2)(g)2, 40 CFR 60.41c, 40 CFR 60.42c(d), and 40 CFR 60.42c(i) subsumed]

MODIFIED CONDITION

2.12 The Permittee shall operate Scrubbers (ID Nos. SC01 through SC07, 2SC0101-1/2SC0102-1, 2SC0101-2/2SC0102-2, SC6701, SC2101, SC2102) and Activated Carbon Towers (ID Nos. AC01 through AC09, AC2101, AC2102, AC2201, AC2301, AC2302, AC2303, AC6701) during all times of associated process equipment operation.

[Avoidance of 40 CFR Part 63 Major Source Applicability, Avoidance of 40 CFR 52.21 Applicability]

4. Process & Control Equipment

MODIFIED CONDITION

4.3 Following performance testing, the Permittee shall maintain the following parameters for the NMP Recovery Absorbers and Process Scrubbers (ID Nos. SC01 through SC07, 2SC0101-1/2SC0102-1, 2SC0101-2/2SC0102-2, SC6701, SC2101, SC2102, SC6701):

- a. Absorber recirculating water flow rate (gpm) for SC01 through SC04, 2SC0101-1/2SC0102-1 and 2SC0101-2/2SC0102-2: Minimum established in accordance with Condition 6.4.
- b. Exhaust outlet temperature (°F) for SC01 through SC04, 2SC0101-1/2SC0102-1 and 2SC0101-2/2SC0102-2: Minimum established in accordance with Condition 6.4.
- c. Scrubbant liquid pressure for the scrubbers for Cell Discharges, ICP Labs, and Raw Material Inspect Labs (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701): Minimum established in accordance with Condition 6.4.
- d. Differential pressure of the gas stream (inches of water) for the scrubbers for Cell Discharges, ICP Labs, and Raw Material Inspect Labs (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701): Minimum established in accordance with Condition 6.4.

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NEW CONDITION

- 4.4 The Permittee shall install and operate a capture system to control particulate emissions while adding dry pigments and solids that contain compounds of cadmium, chromium, lead, or nickel and route the emissions to a particulate control device.
[40 CFR 63.11601]

5. Monitoring

MODIFIED CONDITION

- 5.1 The Permittee shall, each calendar year, monitor emissions of nitrogen oxides (NO_x) from Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5, unless the boiler or hot oil heater will not operate during the ozone season (May 1 through September 30 of each year) by performing a tune-up for each boiler and hot oil heater to demonstrate compliance with the NO_x concentration limit of Condition 2.8 using the following procedures:
[391-3-1-.02(6)(b)1 and PTM Section 2.119]

- a. The tune-up shall be performed no earlier than March 1 and no later than May 1 of each calendar year. In the case of initial startups that occur after May 1 but before September 30, tune-ups shall be performed no later than 120 hours after startup. The tune-up shall be performed at the normal maximum operating load expected during the period from May 1 to September 30 of each year.
- b. The tune-up shall be performed by using the manufacturer recommended settings for reduced NO_x emissions or by using a NO_x analyzer. Adjustments shall be made, as needed, so that NO_x emissions are reduced in a manner consistent with good combustion practices and safe fuel-burning equipment operation.
- c. Following the adjustments, or determination that adjustments are not required, the Permittee shall perform a measurement consisting of a minimum of three test runs to demonstrate that the average emissions are less than or equal to the NO_x concentration limit of Condition 2.8. Each test run shall be a minimum of 30 minutes of operational data in length. Following any test run which results in an average NO_x concentration that exceeds the NO_x limit of Condition 2.8, the Permittee shall make adjustments to the boiler and conduct a new set of test runs within one day. Subsequent adjustments followed by test runs shall be continued until the average of 3 consecutive test runs do not exceed the NO_x concentration limit of Condition 2.8.
- d. All measurements of NO_x and oxygen concentrations in paragraphs b. and c. of this condition shall be conducted using procedures of the American Society for Testing and Materials (ASTM) Standard Test Method for Determination of NO_x, Carbon Monoxide (CO), and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, ASTM D 6522; procedures of Gas Research Institute Method GRI-96/0008, EPA/EMC Conditional Test Method (CTM-30) Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers; or procedures of EPA Reference Method 7E and 3A.

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- e. The Permittee shall maintain records of all tune-ups performed in accordance with this condition. These records shall include the following:
 - i. date and time the tune-up was performed
 - ii. the boiler settings for each test run
 - iii. the average NO_x concentration (in ppm at 3 percent O₂, dry basis) for each test run
 - iv. what operating parameters were adjusted to minimize NO_x emissions
 - v. an explanation of how the final (compliant) settings were determined
- f. Following the tune-up, from the period May 1 through September 30 of each year, the Permittee shall operate each affected boiler using the settings determined during the annual tune-up. If no parameters can be monitored to indicate the performance of a specific boiler, the Permittee shall certify that no adjustments have been made to the boiler or hot oil heater by the Permittee and/or any third party since the most recent successful tune-up was completed. This certification shall be made in writing no later than October 15 of each year and shall be maintained with the records required by paragraph e. of this condition.
- g. If a boiler or hot oil heater is capable of operating for 3 consecutive test runs with average NO_x concentrations of less than or equal to 15 ppm corrected to 3 percent oxygen, the Permittee may conduct the next subsequent tune-up in the fourth calendar year following the demonstration of 15 ppm or less. Results of measurements of NO_x and oxygen concentrations and tune-ups, maintenance and records, and subsequent boiler or hot oil heater operation shall otherwise be conducted as described in paragraphs a. through f. of this condition. The Permittee shall continue to make annual certifications of no adjustments since the previous tune-up.
- h. As an alternative to complying with the requirements in this condition, the Permittee shall submit documentation no later than April 30 of each year confirming that an affected unit will not operate during the months of May through September. As a minimum, the documentation shall include the identification of the facility, the permit number, and the specific affected units that will not be operated.

MODIFIED CONDITION

5.2 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1]

- a. Pressure differential across the Phase 1 Baghouses 1 through 44 (ID Nos. BH01 through BH44) and Phase 2 Baghouses (ID Nos. 2BH01 through 2BH53). Data shall be recorded once per week of operation.

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- b. Absorber recirculating water flow rate for NMP Recovery System Absorbers (ID Nos. SC01 through SC04, 2SC0101-1/2SC0102-1, and 2SC0101-2/2SC102-2). Data shall be recorded once per day of operation.
- c. Exhaust outlet temperature for NMP Recovery System (ID Nos. DR01 through DR04, 2DR01/2DRS01, and 2DR02/2DRS02). Data shall be recorded once per day of operation.
- d. Scrubbant liquid pressure for Cell Discharges, Laboratories, and Quality Inspection Scrubbers (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701). Data shall be recorded once per day of operation.
- e. Differential pressure of the gas stream for Cell Discharges, Laboratories, and Quality Inspection Scrubbers (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701). Data shall be recorded once per day of operation.
- f. Hours of operation, including partial hours, of each facility process that utilizes a scrubber or activated carbon tower to control VOC and HAP emissions. Data shall be recorded once per day of operation.

MODIFIED CONDITION

- 5.3 The Permittee shall measure and record the exhaust VOC concentration for Activated Carbon Towers (ID Nos. AC01 through AC09, AC2101, AC2102, AC2201, AC2301, AC2302, AC2303, AC6701) once every week. The Permittee shall also replace the carbon in a unit when the VOC concentration of the exhaust equals or exceeds 10 parts per million on propane basis (ppm), within 7 days after such reading is taken. The Permittee shall maintain a log for the units as described in Condition 7.13.
[391-3-1-.02(6)(b)1]

MODIFIED CONDITION

- 5.4 The Permittee shall perform a check of visible emissions from stacks ST10, ST11, ST18 through ST23, ST25 through ST60, ST74 through ST79 and ST84 through ST127 which vent the flue gas from Phase 1 Baghouses 1 through 44 (ID Nos. BH01 through BH44) and Phase 2 Baghouses (ID Nos. 2BH01 through 2BH53). The Permittee shall retain a record in a weekly visible emissions (VE) log suitable for inspection or submittal. The check shall be conducted at least once for each week or portion of each week of operation using procedures a. through c. below except when scheduling, atmospheric conditions or sun positioning prevent any opportunity to perform the weekly VE check. Any operational week when scheduling, atmospheric conditions or sun position prevent a weekly reading shall be reported as monitor downtime in the report required by Condition 7.15. Scheduling prevents a weekly VE check only when an emission unit is not operating during a regularly scheduled time period established for the weekly VE checks.
[391-3-1-.02(6)(b)1]

- a. Determine, in accordance with the procedures specified in paragraph d. of this condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the weekly (VE) log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b of this condition.

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- b. For each source that requires action in accordance with paragraph a. of this condition, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.
- c. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.

NEW CONDITION

5.6 The Permittee shall conduct an initial inspection of each particulate control device and perform a visible emissions test of each affected source subject to 40 CFR 63 Subpart CCCCCC. The Permittee shall record the results of each inspection and test and perform corrective action where necessary. The Permittee shall conduct each inspection no later than 180 days after the applicable compliance date for each control device which has been operated within 60 days following the compliance date. For a control device which has not been installed or operated within 60 days following the compliance date, the Permittee must conduct an initial inspection prior to startup of the control device.
[40 CFR 63.11602]

- a. For each dry particulate control system, the Permittee shall visually inspect the system ductwork and dry particulate control unit for leaks. The Permittee shall also inspect the inside of each dry particulate control unit for structural integrity and condition. The Permittee shall:
 - i. Perform weekly visual inspections of any flexible ductwork for leaks.
 - ii. Inspect rigid ductwork for leaks and the interior of the dry particulate control device on an annual basis.

NEW CONDITION

5.7 The Permittee shall monitor the emissions of carbon monoxide (CO) from Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5 by performing a test measurement to demonstrate that the CO concentrations corrected to 3 percent oxygen are below the applicable standard. The test measurements shall use the following procedures and schedule:
[391-3-1-.02(6)(b)1 and PTM Section 2.120]

- a. For units that, based on the most recent performance test pursuant to Condition 6.6, tested at or below 60% of the CO ppm limit in Condition 2.10, the tune up shall occur no less than every 24 months

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- b. For units that, based on the most recent performance test pursuant to Condition 6.6, tested above 60% of the CO ppm limit in Condition 2.10, the tune up shall occur every 12 months.
- c. A written notice of the measurements shall be submitted to the Division no later than 15 days prior to the measurement. The notice shall include a description of the monitoring techniques to be used.

6. Performance Testing

MODIFIED CONDITION

6.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:

- a. Method 1 shall be used for the determination of sample point locations,
- b. Method 2 shall be used for the determination of stack gas flow rate,
- c. Method 3 or 3A shall be used for the determination of stack gas molecular weight,
- d. Method 3B shall be used for the determination of the emissions rate correction factor or excess air. Method 3A may be used as an alternative;
- e. Method 4 shall be used for the determination of stack gas moisture,
- f. Method 18, 21, 25 or 25A for the measurement of VOC emissions,
- g. Method 29 for the measurement of HAP emissions,
- h. Method 26 or 26A for the measurement of HCl emissions

MODIFIED CONDITION

6.4 Within 120 days after the startup of each NMP Recovery System (ID Nos. DR01 through DR04, 2DR01/2DRS01, and 2DR02/2DRS02), the Permittee shall conduct performance tests for the following equipment and pollutants. The data shall be used to demonstrate compliance with the provisions of Conditions 2.1 and 2.2. The performance tests shall also be used to establish operating parameters for the control devices as described in Condition 5.2 and for the purposes of confirming emission rates as defined in Condition 7.8. The operating parameters shall be subject to approval by the Division.

- a. VOC emissions from the associated NMP Recovery System Scrubbers (ID Nos. SC01 through SC04, 2SC0101-1/2SC0102-1 and 2SC0101-2/2SC0102-2). The facility shall establish the emissions from these scrubbers on a lb/hr basis in order to determine

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compliance with the VOC emission limit contained in Condition 2.1 as calculated and reported in Conditions 7.11 and 7.12.

- b. VOC emissions from the scrubbers for Cell Discharges, ICP Labs, and Raw Material Inspect Labs (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701). The facility shall establish the emissions from these scrubbers on a lb/hr basis in order to determine compliance with the VOC emission limit contained in Condition 2.1 as calculated and reported in Conditions 7.11 and 7.12.
- c. HAP emissions from the scrubbers for Cell Discharges, ICP Labs, and Raw Material Inspect Labs (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701). The facility shall establish the emissions from these scrubbers on a lb/hr basis in order to determine compliance with the HAP emission limit contained in Condition 2.2 as calculated and reported in Conditions 7.9 and 7.10.
- d. For each particulate control device and emission unit subject to 40 CFR 63 Subpart CCCCCC, (Baghouse ID Nos. BH01 and BH02, 2BH02, 2BH04, 2BH05 and 2BH06, 2BH07 and 2BH08), conduct an initial visible emission test consisting of three 1-minute test runs using Method 203C (40 CFR part 51, appendix M). The visible emission test runs must be performed during the addition of dry pigments and solids containing compounds of cadmium, chromium, lead, or nickel to a process vessel or to the grinding and milling equipment. If the average test results of the visible emissions test runs indicate an opacity greater than 10% opacity, you must take corrective action and retest within 15 days. The facility must continue to take corrective action and retest each 15 days until a Method 203C test indicates an opacity equal to or less than 10%. (This requirement does not apply to particulate control devices that do not vent to the atmosphere.)

Following an initial satisfactory Method 203C result, the facility must conduct a 5-minute visual determination of emissions from the particulate control device every 3 months using Method 22 (40 CFR part 60, appendix A-7), according to the requirements contained in §63.11602(a)(2)(iii).

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MODIFIED CONDITION

- 6.5 After the initial performance testing as dictated by Condition 6.4, the Permittee shall conduct on-going performance tests at least once every 12 months for the following equipment unless otherwise specified by the Division:
[Avoidance of 40 CFR Part 52.21]

<u>Equipment</u>	<u>Pollutant/Frequency</u>
SC01 – Scrubber 1	VOC
SC02 – Scrubber 2	VOC
SC03 – Scrubber 3	VOC
SC04 – Scrubber 4	VOC
SC05 – Scrubber 5	VOC/HCl
SC06 – Scrubber 6	VOC/HCl
SC07 – Scrubber 7	VOC/HCl
2SC0101-1 & 0102-1	VOC
2SC0101-2 & 0102-2	VOC
SC6701	VOC/HCl
SC2101	VOC/HCl
SC2102	VOC/HCl

NEW CONDITION

- 6.6 Within 180 days after startup of each phase, the Permittee shall conduct CO testing on each Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5 to demonstrate compliance with Condition 2.10. The tests shall be conducted simultaneously with the NOx test that demonstrates compliance with Georgia Rule 391-3-1-.02(2)(III). Subsequent tests shall be conducted no less than every 48 months.

7. Notification, Reporting and Record Keeping Requirements

MODIFIED CONDITION

- 7.3 The Permittee shall provide written notification to the Division of the following:
- A notification of the date that construction of an affected facility is commenced postmarked no longer than 30 days after such date.
 - A notification of the actual date of initial startup of an affected facility and each NMP Recovery System (ID Nos. DR01 through DR04, 2DR01/2DRS01, and 2DR02/2DRS02) postmarked within 15 days after such date.
 - Within 60 days after startup of each NMP Recovery System (ID Nos. DR01 through DR04, 2DR01/2DRS01, and 2DR02/2DRS02), the facility shall submit to the Stationary Sources Permitting Program, a detailed equipment list, including name/type, associated air pollution control equipment, capacities, air flows, sizes, categories, and any other additional information that can be used to determine rule applicability or emissions calculations.

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- d. Within 60 days after startup of each NMP Recovery System (ID Nos. DR01 through DR04, 2DR01/2DRS01, and 2DR02/2DRS02), the facility shall also submit to the Stationary Sources Permitting Program, a detailed example of facility-wide VOC and HAP emissions that will be calculated per Condition 7.8. The Division reserves the right to modify emission calculations and calculation methodology as outlined in this Permit as necessary.

MODIFIED CONDITION

- 7.4 The Permittee shall submit notification of the date of construction and actual startup of Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5, as provided by 40 CFR 60.7 of this part. This notification shall include all items specified in 40 CFR 60.48c(a).
[40 CFR 60.48c(a)]

MODIFIED CONDITION

- 7.5 The Permittee shall submit a Notification of Compliance Status (NOCS) for all applicable equipment subject to the requirements of 40 CFR 63 Subpart CCCCCC that includes all required information, including the items in 40 CFR 63.9(h).
[40 CFR 63.11603(b)]

MODIFIED CONDITION

- 7.6 The Permittee shall record and maintain records of the amounts of natural gas combusted each calendar month in the Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH5 combined. The Permittee shall comply with one of the following:
 - a. Record and maintain records of the amount of fuel combusted during each operating day, or
 - b. Record and maintain records of the amount of fuel combusted during each calendar month, or
 - c. For multiple affected facilities located on a contiguous property unit, record and maintain records of the total amount of fuel delivered to that property during each calendar month.

The Permittee shall maintain these records on site at all times in a format suitable and available for inspection by or submittal to the Division on request.

[40 CFR 60.48c(g)(2), and 391-3-1-.02(6)(b)1.]

MODIFIED CONDITION

- 7.7 The Permittee shall maintain records of the tuneups and performance tests for Boilers BL01, BL02, BL03, BL04 and BL05 and Hot Oil Heaters OH1, OH2, OH3, OH4 and OH as required by Conditions 5.7 and 6.6.
[Avoidance of 40 CFR 52.21 and 391-3-1-.02(6)(b)1.]

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MODIFIED CONDITION

- 7.8 The Permittee shall utilize the following emission calculation protocol for determining the amount of VOC, individual HAP, and total HAP emitted from the entire facility on a monthly basis. The protocol shall utilize monthly production and operating records and shall include emission factors for process operations and fuel combustion; emission calculations from tank emissions and loading/unloading losses; the emission rates (in lb/hr) as established by testing in Conditions 6.4 or 6.5 for Scrubbers (ID Nos. SC01 through SC07, 2SC0101-1/2SC0102-1, 2SC0101-2/2SC0102-2, SC6701, SC2101, SC2102) (or using the lb/hr rates as provided in Application No. 27116 or Application No. 27592 prior to the testing as outlined in Condition 6.4); the results of the weekly monitoring of Activated Carbon Towers (ID Nos. AC01 through AC09, AC2101, AC2102, AC2201, AC2301, AC2302, AC2303, AC6701); and any other data that is used to calculate emissions.
[Avoidance of 40 CFR 52.21, Avoidance of 40 CFR 70 for HAP, Area Source Classification Under 40 CFR 63, and 391-3-1-.02(6)(b)1.]

MODIFIED CONDITION

- 7.13 The Permittee shall maintain a log containing the following information for Activated Carbon Towers (ID Nos. AC01 through AC09, AC2101, AC2102, AC2201, AC2301, AC2302, AC2303, AC6701).
- a. The identity of the carbon unit.
 - b. Results of the weekly exhaust measurement. If no measurements were taken as allowed by Condition 5.4, the log shall state so.
 - c. The date the carbon was replaced.

MODIFIED CONDITION

- 7.14 The Permittee shall submit a written report of reportable incidences for each semi-annual period. The report shall cover each semi-annual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively, and shall contain the nature and cause of the deviation, the time and date of occurrence, and any initial and final corrective action taken. The report shall also contain a summary of any days for which any of the required operation and maintenance surveillance checks were not made and the reason for such failure to perform the surveillance. A reportable incidence is defined as the following:
- a. Any measurement in which the absorber recirculating water flow rate and exhaust outlet temperature for Scrubbers (ID Nos. SC01 through SC04, 2SC0101-1/2SC0102-1 and 2SC0101-2/2SC 102-2) is outside the ranges specified in Condition 4.3 or ranges established during the most recent performance testing.
 - b. Any measurement in which the scrubbant liquid pressure and differential pressure of the Scrubbers for Cell Discharges, Laboratories, and Quality Inspection (ID Nos. SC05 through SC07, SC2101, SC2102, SC6701) is outside the ranges specified in Condition 4.3 or ranges established during the most recent performance testing.

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- c. Any deviation that requires action from the weekly VE checks for Phase 1 Baghouses 1 through 44 (ID Nos. BH01 through BH44) and Phase 2 Baghouses (ID Nos. 2BH01 through 2BH53) as required by Condition 5.4.
- d. All instances of replacement of carbon in the Activated Carbon Towers (ID Nos. AC01 through AC09, AC2101, AC2102, AC2201, AC2301, AC2302, AC2303, AC6701) as outlined by Condition 7.13.

NEW CONDITION

7.15 Within 180 days after initial startup of operations, the Permittee shall submit an initial notification for 40 CFR 63 Subpart CCCCCC which must include the following information:

[40 CFR 63.11603(a)]

- a. The name and address of the owner or operator;
- b. The address (i.e., physical location) of the affected source; and
- c. An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date.