

# Part 70 Operating Permit Amendment

**Permit Amendment No.:** 2821-093-0013-V-01-5    **Effective Date:** September 11, 2007

**Facility Name:** Georgia-Pacific Chemicals LLC (Vienna Plant)

**Facility Address** 838 Shiloh Road  
Vienna, Georgia 31092, Dooly County

**Mailing Address:** P.O. Box 390  
Vienna, Georgia 31092

**Parent/Holding Company:** Georgia-Pacific Corporation

**Facility AIRS Number:** 04-13-093-00013

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit and an amendment to the Part 70 Operating Permit for:

The installation of a 12.6 MMBtu/hr natural gas fired boiler (Source Code NGB1), modifications to the formaldehyde process to increase the production rate, and the venting of emissions from existing Resin Storage Tank UF-13 to the Thermal Oxidizer (Source Code OX-1) for the handling of resin kettle mischarges. The amendment is also for an increase in the adjustment of minimum thermal oxidizer operating temperatures.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit Amendment and Permit No. 2821-093-0013-V-01-0. Unless modified or revoked, this Permit Amendment expires simultaneously with Part 70 Permit No. 2821-093-0013-V-01-0.

This Permit Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. TV-17221 dated January 11, 2007; any other applications upon which this Permit Amendment or Permit No. 2821-093-0013-V-01-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 14 pages.

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Director  
Environmental Protection Division

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**PART 1.0 FACILITY DESCRIPTION**

**1.3 Process Description of Modification**

The amendment incorporates the following modifications:

- The installation of a 12.6 MMBtu/hr natural gas fired boiler designated as Source Code NGB1;
- The increase in production from the Formaldehyde Plant through modifications including the addition of more heat via steam to the methanol vaporizer, adding a vortex breaker in the bottom of the absorber, adding a site glass to the absorber, adding a NEAR IR to the absorber to monitor explosivity, adding a flange to the absorber (to allow for a future methanol recovery project), and replating the silver catalyst basket.
- The change in the minimum Thermal Oxidizer (Source Code OX-1) operating temperatures for 40 CFR 63 Subparts G, F, and OOO based on performance testing conducted in December 2005; and
- The venting of Resin Storage Tank UF-13 to the Thermal Oxidizer so that it can receive Resin Kettle mischarges.

The facility address and mailing address have been updated on the amendment cover page. The physical location of the facility has not changed.

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### PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

#### 3.1.5 Emission Units<sup>†</sup>

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
NBG1	Natural Gas Boiler 1	40 CFR 60 Subpart Dc 391-3-1-.02(2)(d)	3.3.61, 3.4.6, 3.4.7, 5.2.2, 6.2.24, and 6.2.25*	None	None
<b>Formaldehyde Plant</b>					
ABS-1	Formaldehyde Absorber	40 CFR 63 Subpart F 40 CFR 63 Subpart G 391-3-1-.02(2)(a) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g)	3.2.1, 3.3.1, 3.3.4, 3.3.5, 3.3.10, 3.3.57 through 3.3.59, 3.4.1, 4.2.6, 4.2.7, 4.2.10, 4.2.11, 5.2.1, 5.2.4, 5.2.8, 5.3.1, 5.3.11, 5.3.12, 6.1.7, 6.2.1, 6.2.6 through 6.2.13, 6.2.21, 6.2.23, and 6.2.26*	OX-1	Thermal Oxidizer
MeOH	Methanol Tank	40 CFR 63 Subpart F 40 CFR 63 Subpart G	3.3.1, 3.3.3, 3.3.6, 3.3.10, 3.3.57 through 3.3.59, 3.4.1, 3.4.2, 4.2.6, 4.2.7, 4.2.10, 4.2.11, 5.2.1, 5.2.3, 5.2.4, 5.2.8, 5.3.1, 5.3.11, 5.3.12, 6.1.7, 6.2.2, 6.2.3, 6.2.6 through 6.2.13, and 6.2.21*	OX-1	Thermal Oxidizer
B-1 B-2 INST	Formaldehyde Tank Formaldehyde Tank Off-Specification Formaldehyde Tank	40 CFR 63 Subpart F 40 CFR 63 Subpart G	3.3.1, 3.3.7, 3.3.58, 3.3.59, 3.4.1, 3.4.2, 5.2.1, 5.3.1, 6.2.2, and 6.2.8 through 6.2.13*	OX-1	Thermal Oxidizer
P-1 P-2	Formaldehyde Tanks	40 CFR 63 Subpart F 40 CFR 63 Subpart G	3.3.1, 3.3.7, 3.3.58, 3.3.59, 3.4.1, 3.4.2, 5.2.1, 5.3.1, 6.2.2, and 6.2.8 through 6.2.13*	OX-1	Thermal Oxidizer
FUG (LDAR)	Pumps, valves, connectors, pressure relief devices, agitators, open-ended valves or lines, instrumentation systems, and sampling connection systems	40 CFR 63 Subpart F 40 CFR 63 Subpart H	3.3.1, 3.3.11 through 3.3.28, 3.3.58, 3.3.59, 4.2.1 through 4.2.3, 5.2.5, 5.3.1, 5.3.2 through 5.3.10, and 6.2.8 through 6.2.13*	None	None
N/A	Formaldehyde Transfer Operations	40 CFR 63 Subpart F 40 CFR 63 Subpart G	3.3.1, 3.3.8, 3.3.58, 3.3.59, 6.2.4, and 6.2.8 through 6.2.13*	None	None
N/A	Formaldehyde Plant Maintenance Wastewater	40 CFR 63 Subpart F	3.3.1, 3.3.9, 3.3.58, 3.3.59, 6.2.5, and 6.2.8 through 6.2.13*	None	None
CONV DIST VAP	Methanol Converter Distillation Unit Methanol Vaporizer	None	None*	None	None

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Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
<b>Liquid Resin Manufacturing</b>					
K-1 K-2 K-3	Resin Batch Process Kettles Sump and Vacuum with Vacuum Pumps VP-1, VP-2, and VP-3	40 CFR 63 Subpart OOO 391-3-1-.02(2)(a) 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	3.2.2 through 3.2.4, 3.3.29, 3.3.30, 3.3.55, 3.3.57 through 3.3.59, 3.4.1, 3.4.2, 4.2.6 through 4.2.9, 5.2.1, 5.2.7, 5.2.8, 5.3.1, 5.3.15, 6.1.7, 6.2.14, 6.2.16 through 6.2.21, and 6.2.23*	OX-1	Thermal Oxidizer
PFWT-1	Phenol / Formaldehyde Weigh Tank	40 CFR 63 Subpart OOO 391-3-1-.02(2)(a) 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	3.2.2 through 3.2.4, 3.3.29, 3.3.30, 3.3.55, 3.3.57 through 3.3.59, 3.4.1, 3.4.2, 4.2.6 through 4.2.9, 5.2.1, 5.2.7, 5.2.8, 5.3.1, 5.3.15, 6.1.7, 6.2.14, and 6.2.16 through 6.2.21*	OX-1	Thermal Oxidizer
UF-13	Resin Kettle Mischarge Tank	40 CFR 63 Subpart OOO 391-3-1-.02(2)(a) 391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g)	3.2.2 through 3.2.4, 3.3.29, 3.3.30, 3.3.55, 3.3.57 through 3.3.59, 3.3.62, 3.4.1, 3.4.2, 4.2.6 through 4.2.9, 5.2.1, 5.2.7, 5.2.8, 5.3.1, 5.3.15, 6.1.7, 6.2.14, 6.2.16 through 6.2.21, and 6.2.27**	OX-1	Thermal Oxidizer
FUG (LDAR) including Tanks RM1-4, PD-1, PD-2, UFC-1, and MT-1	Valves, pumps, connectors, agitators, instrumentation systems, pressure relief devices, sampling connection systems, open-ended valves or lines	40 CFR 63 Subpart OOO (40 CFR 63 Subpart UU)	3.3.29, 3.3.31 through 3.3.54, 3.3.58, 3.3.59, 4.2.4, 4.2.5, 5.2.6, 5.3.1, 5.3.13, 5.3.14, and 6.1.7*	None	None
UH-1 BS-1	Urea Storage and Feed System Salt Storage and Feed System	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.4.3, 3.4.4, 5.2.2, 5.3.1, and 6.1.7*	SCRUB-2	Shower Scrubber
SI-1 SI-2 RMMT	Extender Storage and Feed System Filler Storage and Feed System Resi-Mix Mix Tank	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	3.2.2, 3.4.3, 3.4.4, 5.2.2, 5.2.9, 5.3.1, and 6.1.7*	BH-1	Baghouse
N/A	Resin Loading Racks	None	None	None	None
<b>Other</b>					
N/A	Roadways and Fugitive Dust	391-3-1-.02(2)(n)	3.4.5*	None	None

\* Generally applicable requirements contained in this permit may also apply to emission units listed above.

†Table 3.1.5 replaces Tables 3.1, 3.1.1, and 3.1.2 found in Air Quality Permit Nos. 2821-093-0013-V-01-0, 2821-093-0013-V-01-1, and 2821-093-0013-V-01-2, respectively. Air Quality Permit No. 2821-093-0013-V-01-03 does not include an emission unit table. Air Quality Permit No. 2821-093-0013-V-01-04 is revoked by this amendment.

**3.2 Equipment Emission Caps and Operating Limits**

**Formaldehyde Plant**

3.2.1 The Permittee shall not produce more than 140 million pounds of Formaldehyde (50% aqueous solution basis) per any twelve consecutive months.  
[391-3-1-.02(2)(a)]

**3.3 Equipment Federal Rule Standards**

**Formaldehyde Plant**

*Formaldehyde Process Vent ABS-1 and Methanol Storage Tank MeOH*

3.3.2 The Permittee shall reduce emissions of total organic hazardous air pollutant by 98 weight-percent or to a concentration of 20 ppm by volume, whichever is less stringent, for emissions from the formaldehyde process vent (Source Code ABS-1) by maintaining Thermal Oxidizer OX-1 at a temperature of 829 degrees Celsius or greater during each “operating day.” The emission reduction or concentration shall be calculated on a dry basis, corrected to 3 percent oxygen. Compliance can be determined by measuring either organic hazardous air pollutants or total organic carbon using the procedures in 40 CFR 63.116. For the purposes of compliance with this limit an “operating day” is currently defined as the 24-hour period from 8 am to 8 am.  
[40 CFR 63.113(a)(2)(i); 40 CFR 63 Subpart G; 40 CFR 60 Subparts III and NNN Subsumed for Source Code ABS-1]

3.3.3 The Permittee shall comply with the following for Group 1 Methanol Tank MeOH:  
[40 CFR 63.119(e); 40 CFR 63 Subpart G]

- a. Reduce emissions of total organic HAP from the tank by 95 percent or greater except during periods of planned routine maintenance and during a control system malfunction using Thermal Oxidizer OX-1 operating at a temperature of 829 degrees Celsius or greater when operated in conjunction with the Formaldehyde Plant. In the event the Resin Plant operates without the Formaldehyde Plant for a full “operating day” as defined in this condition, the reduction shall be achieved by operating Thermal Oxidizer OX-1 at a temperature of 671 degrees Celsius or greater. For the purposes of compliance with this limit an “operating day” is currently defined as the 24-hour period from 8 am to 8 am.  
[40 CFR 63.119(e)(1), (4), and (5)]
- b. Periods of planned routine maintenance of Thermal Oxidizer OX-1 when the total organic HAP emissions from the MeOH tank are not being reduced by 95 percent or greater shall not exceed 240 hours per year.  
[40 CFR 63.119(e)(3)]

**Resin Plant**

*Aggregate Batch Vent Stream (K-1 through K-3, PFWT-1, and UF-13)*

- 3.3.30 The Permittee shall control emissions from the amino/phenolic resin aggregate batch vent stream by reducing organic HAP emission by 83 weigh percent or to a concentration of 20 ppm on a continuous basis using Thermal Oxidizer OX-1, whichever is less stringent. The reduction shall be achieved by maintaining Thermal Oxidizer OX-1 at a temperature of 829 degrees Celsius or greater when operated in conjunction with the Formaldehyde Plant. In the event the Resin Plant operates without the Formaldehyde Plant for a full “operating day” as defined in this condition, the reduction shall be achieved by maintaining Thermal Oxidizer OX-1 at a temperature of 671 degrees Celsius or greater. For the purpose of compliance with this limit an “operating day” shall be defined at the 24-hour period from 8 am to 8 am.  
[40 CFR 63.1408(a)(2)(ii); 40 CFR 63 Subpart OOO]

**Natural Gas Boiler 1**

- 3.3.61 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 operation of Natural Gas Boiler 1 (Source Code NGB1).  
[40 CFR 60 Subpart Dc; 40 CFR 60.40c(a)]

**UF-13**

- 3.3.62 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 Kb - "Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984," for operation of the Kettle Mischarge Tank UF-13.  
[40 CFR 60 Subpart Kb]

**3.4 Equipment SIP Rule Standards**

**Natural Gas Boiler 1**

3.4.6 The Permittee shall not cause, let, suffer, permit or allow the emission of fly ash and/or other particulate matter from Natural Gas Boiler 1 (Source Code NGB1) in amounts equal to or exceeding the allowable rate calculated as follows:  
[391-3-1-.02(2)(d)2(ii)]

$$P = 0.5(10/R)^{0.5};$$

Where:

P = allowable weight of emissions of fly ash and/or other particulate matter in pounds per million BTU heat input

R = heat input of fuel-burning equipment in million BTU per hour

3.4.7 The Permittee shall not cause, let, suffer, permit or allow the emissions from Natural Gas Boiler 1 (Source Code NGB1), the opacity of which is equal to or greater than twenty (20) percent, except for one six-minute period per hour of not more than twenty-seven (27) percent opacity.

[391-3-1-.02(2)(d)3; 391-3-1-.02(2)(b) Subsumed]

**PART 4.0 REQUIREMENTS FOR TESTING**

**4.2 Specific Testing Requirements**

**Formaldehyde Plant**

- 4.2.10 Within 60 days of achieving maximum production capacity for the Formaldehyde Plant, but not later than 180 days after startup of the modified Formaldehyde Plant, the Permittee shall conduct performance tests for the operation of Thermal Oxidizer OX-1. A performance test shall be conducted during the operation of the Formaldehyde Plant alone and a performance test shall be conducted during the simultaneous operation of the Formaldehyde Plant and the Resin Plant. The tests shall be conducted in accordance with the provisions of 40 CFR 63.116(c), 40 CFR 63.1413, and 40 CFR 63.1414 and shall be used to determine compliance with the limits found in Conditions 3.3.2, 3.3.3, and 3.3.30. [40 CFR 63 Subpart F; 40 CFR 63 Subpart G; 40 CFR 63 Subpart OOO]
- 4.2.11 During the performance tests required by Condition 4.2.10, the Permittee shall determine the minimum Thermal Oxidizer operating temperatures that demonstrate compliance with the Formaldehyde Plant operating alone and with the Formaldehyde Plant and Resin Plant operating simultaneously. If either minimum temperature exceeds 671 degrees Celsius, the Permittee shall use the highest minimum temperature determined by the performance testing for the purposes of Conditions 3.3.2, 3.3.3.a, and 3.3.30 of this permit for periods when the Formaldehyde Plant operates for an “operating day.” If both minimum temperatures are less than 671 degrees Celsius, the Permittee shall comply with 671 degrees Celsius as the excursion value for all periods of Thermal Oxidizer OX-1 operation. For the purposes of this condition an “operating day” is currently defined as the 24-hour period from 8 am to 8 am. [40 CFR 63 Subpart F; 40 CFR 63 Subpart G; 40 CFR 63 Subpart OOO]

**PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**

**5.2 Specific Monitoring Requirements**

5.2.2 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 and 40 CFR 70.6(a)(3)(i)]

**Natural Gas Boiler 1**

c. Quantity of natural gas (mmscf) fired in Natural Gas Boiler 1 (Source Code NGB1).  
Data shall be recorded once per month.

[40 CFR 60 Subpart Dc; 40 CFR 60.48c(g)]

**PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS****6.1 General Record Keeping and Reporting Requirements**

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

**Formaldehyde Plant**

- i. Any 12-month rolling period during which the production of Formaldehyde (50% aqueous solution basis) exceeds 140 million pounds.

[391-3-1-.02(2)(a)]

- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

**Formaldehyde Plant***Formaldehyde Process Vent ABS-1 and Methanol Storage Tank MeOH*

- iii. Any period of formaldehyde process operation or methanol storage tank operation when the daily average firebox temperature for Thermal Oxidizer OX-1 is below the applicable temperature specified in Condition 3.3.2 or 3.3.3. The value may be re-established during a subsequent performance test that demonstrates compliance with Conditions 3.3.2 and 3.3.3.

[40 CFR 63.152(c)(2)(ii)(A)(1); 40 CFR 63 Subpart G]

**Resin Plant***Aggregate Batch Vent Stream (K-1 through K-3, PFWT-1, and UF-13)*

- vi. Any period of resin process operation when the daily firebox temperature for Thermal Oxidizer OX-1 is below the temperature specified in Condition 3.3.30. This value may be re-established in a subsequent performance test that demonstrates compliance with Condition 3.3.30.

[40 CFR 63.1413(h)(2)(i); 40 CFR 63 Subpart OOO]

## 6.2 Specific Record Keeping and Reporting Requirements

### Formaldehyde Plant

#### *Thermal Oxidizer OX-1*

6.2.7 The Permittee shall comply with the following for Thermal Oxidizer OX-1:  
[40 CFR 63.152; 40 CFR 63 Subpart G]

- a. Maintain continuous records of the firebox temperature at all times during operation of Thermal Oxidizer OX-1. Such records shall be maintained in a manner such that the records are up-to-date and readily accessible for inspection for at least 5 years. Continuous records mean documentation, either in hard copy or computer readable form, of data values measured at least once every 15 minutes and recorded at either of the frequencies specified below:  
[40 CFR 63.117(f), 40 CFR 63.118(a)(1), 63.120(d)(5), & 40 CFR 63.152(f)(1) and (2)]
  - i. Each measured data value; or  
[40 CFR 63.152(f)(2)(i)]
  - ii. Block average values for 15-minute or shorter periods calculated from all measured data values during each period or at least one measured data value per minute if measured more frequently than once per minute.  
[40 CFR 63.152(f)(2)(ii)]
- b. Daily average values of the firebox temperature for Thermal Oxidizer OX-1 shall be calculated for each operating day, and retained for 5 years, except as specified in paragraphs (e) and (f) of this condition.  
[40 CFR 63.123(f)(1); 40 CFR 63.152(f)(5)]
  - i. The daily average temperature shall be calculated as the average of all values for a monitored parameter recorded during the operating day. The average shall cover a 24-hour period if operation is continuous, or the number of hours of operation per operating day if operation is not continuous.  
[40 CFR 63.152(f)(5)(i)]
  - ii. The operating day shall be the period defined in the operating permit or the Notification of Compliance Status.  
[40 CFR 63.152(f)(5)(ii)]
- c. If the daily average firebox temperature of Thermal Oxidizer OX-1 for a given operating day is at or above the compliance temperature specified in Conditions 3.3.2 and 3.3.3, the Permittee shall either:  
[40 CFR 63.152(f)(3)]

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- i. Retain block hourly average values for that operating day for 5 years and discard, at or after the end of that operating day, the 15-minute or more frequent average values and readings recorded under paragraph (a) of this condition; or [40 CFR 63.152(f)(3)(i)]
  - ii. Retain the data recorded in paragraph (a) of this condition for 5 years. [40 CFR 63.152(f)(3)(ii)]
- d. If the daily average firebox temperature of Thermal Oxidizer OX-1 for a given operating day is less than the compliance temperature specified in Conditions 3.3.2 and 3.3.3, the Permittee shall retain the data recorded that operating day under paragraph (a) of this condition for 5 years. [40 CFR 63.152(f)(4)]
- e. If all recorded values of the firebox temperature of Thermal Oxidizer OX-1 during an operating day are at or above the compliance temperature specified in Conditions 3.3.2 and 3.3.3, the Permittee may record that all values were at or above the compliance temperature specified in Conditions 3.3.2 and 3.3.3 and retain this record for 5 years rather than calculating and recording a daily average for that operating day. For these operating days, the records required in paragraph (c) of this condition shall also be retained for 5 years. [40 CFR 63.152(f)(6)]
- f. Monitoring data recorded during periods identified during the follow periods shall not be included in any average computed under this condition: Monitoring system breakdowns, repairs, calibration checks, and zero (low-level) and high-level adjustments; start-ups, shutdowns, or malfunctions; and periods of non-operation of the affected source (or portion thereof), resulting in cessation of the emissions to which the monitoring applies. Records shall be kept of the times and durations of all such periods and any other periods during process or control device operation when monitors are not operating. [40 CFR 63.152(f)(7)]

### **Natural Gas Boiler 1**

- 6.2.24 The Permittee shall submit notification of the date of construction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 for Natural Gas Boiler 1 (Source Code NGB1). This notification shall include:  
[40 CFR 60 Subpart Dc; 40 CFR 60.48c(a)]
  - a. The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
  - b. The annual capacity factor at which the Permittee anticipates operating the boiler.
- 6.2.25 The Permittee shall record and maintain records of the amount natural gas combusted in Natural Gas Boiler 1 (Source Code NGB1) during each calendar month.  
[40 CFR 60 Subpart Dc; 40 CFR 60.48c(g)]

**Formaldehyde Plant**

- 6.2.26 The Permittee shall furnish the Division written notification as follows. For the purpose of this Permit, “startup” shall mean the setting in operation of a source for its intended purpose.
- a. The actual date of the initial startup of the modified Formaldehyde Plant, within 15 days after such date.
  - b. The actual date of the commencement of stable operation of the modified Formaldehyde Plant, within 15 days after such date.
  - c. Certification that a final inspection has shown that construction has been completed in accordance with the application, plans, specifications, and supporting documents submitted in support of the application for the Formaldehyde Plant.

**UF-13**

- 6.2.27 The Permittee shall comply with 40 CFR 60.116b(a), (b), and (c) of 40 CFR 60 Subpart Kb by keeping readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for Kettle Mischarge Tank UF-13.  
[40 CFR 60 Subpart Kb]

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### **PART 7.0 OTHER SPECIFIC REQUIREMENTS**

#### **7.4 Insignificant Activities Associated with this Modification**

(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

#### **7.12 Revocation of Existing Permits and Amendments**

The following Air Quality Permits and Amendments are subsumed by this permit and are hereby revoked:

<b>Air Quality Permit Number(s)</b>	<b>Dates of Original Permit Issuance or Amendment</b>
2821-093-0013-V-01-4	June 12, 2007

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Georgia-Pacific Chemicals LLC (Vienna Plant)

Permit Amendment No.: 2821-093-0013-V-01-5

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### Attachments

- B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

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Georgia-Pacific Chemicals LLC (Vienna Plant)

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### ATTACHMENT B

**NOTE:** Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

#### INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
<b>Formaldehyde Plant</b>	
Formaldehyde Tote & Drum Filling Racks	1
UFC Tote & Drum Filling Racks	1
Methanol Tote & Drum Filling Racks	1
<b>Resin Plant</b>	
Resin Tanks (PF-1, PF-3 through PF-11, PF-13 through PF-20, UF-1 through UF-12, UF-14 through UF-18)	35
Ammonium Sulfate Makeup Tote (AS-1)	1
Aqua Ammonia Tank (RM-6)	1
Cresylic Acid Tank (RM-7)	1
Sulfuric Acid Tank (RM-10)	1
Caustic Storage, Feed, and Weigh Tanks (C-1 through C-3)	3
Formaldehyde Condensate Tanks (CD-1 and CD-2)	2
Formic Acid Tank (FA-1)	1
Lignosulfate Tanks (L-1 and L-2)	2
Precat Storage Tank (PCAT)	1
Lignin Weigh Tank (LWT)	1
KEEC Tank (KEEC)	1
Tanker Truck Wash Red Water Tank (TWRWT)	1
Chilled Water Tank (CWT)	1
Phenol Storage Tank (RM-1 through RM-4)	4
UFC Tank (UFC-1)	1
Phenol Distillate Tanks (PD-1 and PD-2)	2
Particle Board UF Resin Process Weigh Tank (PBWT)	1
Liquid Raw Material Unloading and Transfer Systems (Methanol, Phenol, Formaldehyde, UFC, Ammonia, Cresylic Acid, Caustic, Resin, Lignin, Precat, Formic Acid)	various
Kettle Blow Tanks (pH adjustment)	3
Resin Drying Pad	1

## Title V Permit Amendment

Georgia-Pacific Chemicals LLC (Vienna Plant)

Permit Amendment No.: 2821-093-0013-V-01-5

### INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Resin Drying Sump	2
Resin Process Washwater / Reclaim System	1
PC Storage Tank (PCWT-1)	1
PC Storage Tank (PCWT-2)	1
MeOH Tote (MT-1)	1
Tanker Loading Racks	5
Tote and Drum Filling Racks	5
Misc. Liquid Raw Material Transfer to Resin Process (from totes and drums)	various
Misc. Dry Raw Material Transfer to Resin Process (from bulk bags, bags, and drums)	various
<b>Other</b>	
Chillers	2
Cooling Towers with Additives System	2
Tanker Wash Station	1
Waste Heat Boiler (Heat Exchanger)	1
Propane Tank – Bulk (PRO-1)	1
Propane Tank – Truck Wash (PRO-2)	1