



North Carolina Department of Environment and Natural Resources
Division of Air Quality

Michael F. Easley, Governor

William G. Ross, Jr., Secretary
B. Keith Overcash, P.E., Director

March 19, 2007

Mr. Jack Bray
Vice President/ Mill Manager
Domtar Paper Company, LLC
Post Office Box 787
Plymouth, North Carolina 27962

Dear Mr. Bray:

**SUBJECT: Air Permit No. 04291R34
Domtar Paper Company, LLC
Plymouth, Martin County, North Carolina
Fee Class: Title V
Site Number: 07/59/00069**

In accordance with your completed application (5900069.07A) received March 9, 2007, for an ownership change from Weyerhaeuser Company to Domtar Paper Company, LLC we are forwarding herewith Permit No. **04291R34** to Domtar Paper Company, LLC, Plymouth, Martin County, North Carolina for the construction and operation of air emissions sources or air cleaning devices and appurtenances.

If any parts, requirements, or limitations contained in this Permit are unacceptable to you, you have the right to request a formal adjudicatory hearing within 30 days following receipt of this Permit, identifying the specific issues to be contested. This hearing request must be in the form of a written petition, conforming to G.S. 150B-23 of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, Post Office Drawer 27447, Raleigh, North Carolina 27611-7447. The form for requesting a formal adjudicatory hearing may be obtained upon request from the Office of Administrative Hearings. Unless a request for a hearing is made pursuant to G.S. 150B-23, this Air Permit shall be final and binding.

You may request modification of your Air Permit through informal means pursuant to G.S. 150B-22. This request must be submitted in writing to the Director and must identify the specific provisions or issues for which the modification is sought. Please note that the permit will become final and binding regardless of a request for informal modification unless a request for a hearing is also made under G.S. 150B-23.

Permitting Section

1641 Mail Service Center, Raleigh, North Carolina 27699-1641
2728 Capital Blvd., Raleigh, North Carolina 27604
Phone: 919-715-6235 / FAX 919-733-5317 / Internet: www.ncair.org

One
North Carolina
Naturally

Unless exempted by a condition of this Permit or the regulations, construction of new air pollution sources or air cleaning devices, or modifications to the sources or air cleaning devices described in this Permit must be covered under a Permit issued by this Division prior to construction. Failure to do so is a violation of G.S. 143-215.108 and may subject the Permittee to civil or criminal penalties as described in G.S. 143-215.114A and 143-215.114B.

The following table summarizes the changes made to the permit pursuant to this modification:

Permit No. 04291R34	Changes
Cover Letter	Changed owner, permit number, dates, etc.
Permit	Changed permit number, effective date

This Permit shall be effective from March 19, 2007 until January 31, 2011, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein. Should you have any questions concerning this matter, please contact Mr. Wallace Pitts at (919) 715-1060.

Sincerely,

Donald R. van der Vaart, Ph.D., P.E.
Chief

enclosure

cc: WARO - Rob Fisher (w/review)
Central Files

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF AIR QUALITY

AIR PERMIT NO. 04291R34

Issue Date: March 19, 2007

Effective Date: March 19, 2007

Expiration Date: January 31, 2011

Replaces Permit: 04291R33

To construct and operate air emission sources or air cleaning devices, and for the discharge of the associated air contaminants into the atmosphere. In accordance with the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules and Regulations,

Domtar Paper Company, LLC
Plymouth, Martin County, North Carolina
Fee Class: Title V
Site Number: 07/59/00069

(the Permittee) is hereby authorized to construct and operate air emission sources and/or air cleaning devices and appurtenances described below:

AIR SOURCE AREA: POWER

- NSPS 1.** Boiler No. 1 or "No.1 Hog Fuel" Boiler: hog fuel/No. 6 fuel oil/coal/used oil/
PSD sludge/High Volume Low Concentration (HVLC) gases-fired at 835 million Btu per hour maximum heat input from hog fuel, 617 million Btu per hour maximum heat input from No. 6 fuel oil, or for combination firing; 701.2 from hog fuel and 319.8 million Btu per hour maximum heat input from coal. (NSPS Subpart D installed November 1980); equipped with a Low NOX/OFA system, and :
- (a) one multicyclone/electroscrubber system (flue gas stack ID No. 64-70-0000) composed of the following in series: [a] one primary, west, multicyclone (ID No. 64-45-0100) consisting of 570, nine-inch cones, [b] one secondary, east, multicyclone (ID No. 64-45-0230) consisting of 1,224, nine-inch cones, [c] one granular, electrified granular filter bed consisting of an East (ID No. 64-60-0720), Central (ID No. 64-60-0420), and West (ID No. 64-60-0120) module,
 - (b) three bagfilters (West ID No. 64-60-0900), (Central ID No. 64-60-0910, and East ID No. 64-60-0920, 1058 square feet of filter area each) installed on the de-entrainment vessel for the granular media used in the electroscrubber,
 - (c) one bagfilter (ID No. 64-08-0700, 75 square feet of filter area) installed on the vent of the coal bin,
 - (d) two bagfilters (West ID No. 64-50-0160 and East ID No. 64-50-0170, 84

square feet of filter area each) installed one on each vent, on the boiler ash silo,

- (e) installed on the ash transport system to the boiler ash silo, one air washer system (ID No. 64-50-0150) which consists of a water wash sprayed to clean the steam released through a venturi which creates the vacuum to pull the ash,
- (f) two bagfilters (West ID No. 64-60-0961 and East ID No. 64-60-0962, 105 square feet of filter area each) installed one on each vent, on the scrubber ash silo,

NSPS 2.
PSD

Boiler No. 2 or "No. 2 Hog Fuel" Boiler: Hog fuel/No. 6 fuel oil/coal/used oil/sludge/HVLC/ Low Volume High Concentration (LVHC) gases from white liquor scrubber except for periods of maintenance/Stripper Off Gas (SOG) gases-fired at 889 million Btu per hour maximum heat input from combined fuels, or 800 million Btu per hour maximum heat input from No. 6 fuel oil (NSPS, Subpart D installed August 1982) with:

- (a) One multicyclone/electroscrubber system (flue-gas stack ID No. 65-70-0100) composed of the following in series: [a] one multicyclone (ID No. 65-45-0100) consisting of 356 nine-inch cones and [b] one granular electrified granular filter bed consisting of a north (ID No. 65-60-0120), central (ID No. 65-60-0410, and south (ID No. 65-60-0610) module,
- (b) Three bagfilters (South ID No. 65-60-0840, Central ID No. 65-60-0820, and North ID No. 65-60-0800, 1058 square feet of filter area each) installed on the de-entrainment vessel for the granular media used in the electroscrubber,
- (c) Two filters (North ID No. 65-08-0100 and South ID No. 65-08-0180, 39 square feet of filter area each) installed on vents of the north and south coal bins,
- (d) Two bagfilters (East ID No. 165-50-0180, 105 square feet of filter area each) installed on the vents of the boiler ash silo,
- (e) Installed on the ash transport system to the boiler ash silo, one air washer system (ID No. 65-50-0160) which consists of a water wash sprayed to clean the steam released through a venturi which creates the vacuum to pull the ash,
- (f) Two bagfilters (West ID No. 65-60-0880 and East ID No. 65-60-0870, 84 square feet of filter area each) installed one on each vent, on the scrubber ash silo,

3. One bagfilter (ID No. 64-60-1050, 88 square feet of filter area) installed on the storage vessel which holds the gravel media used in the electroscrubbers of both the No. 1 and No. 2 Hog Fuel Boilers. The bagfilter operates only when gravel is reclaimed,
4. One demineralizer area fixed roof sulfuric acid storage tank (29,500 gallons capacity, ID No. 53-20-0450),
- NSPS** 5. No. 1 Package Boiler firing low sulfur No. 2 fuel oil/No. 6 fuel oil at 360 million Btu per hour maximum heat input (NSPS Subpart Db), with an open spray tower-type wet scrubber (5,976 gallons per minute maximum caustic injection rate, ID No. 59-67-1000) installed in 1993, and
PSD
- NSPS** 6. One 300,000 gallon capacity low sulfur No. 2 fuel oil storage tank (NSPS Subpart Kb).
- NSPS** 7. Two low-sulfur No. 2 fuel oil-fired temporary boilers (ID Nos. ES-RB1 and ES-RB2) each 85.7 million Btu per hour maximum heat input (NSPS Subpart Dc)
8. Riley No. 1 Combination Boiler or "Riley" Boiler: coal/No. 6 fuel oil/Low Volume High Concentration (LVHC) gases/Stripper Off Gas (SOG) gases-fired at 624 million Btu per hour maximum heat input (installed prior to 1971, permitted to operate as needed to burn LVHC and SOG until May 31, 2007) with:
 - (a) an open spray tower-type wet scrubber (5,976 gallons per minute maximum caustic injection rate, ID No. 59-67-1000) installed in 1993, after the following:
 - (i) an electrostatic precipitator (North chamber ID No. 59-45-0100, South chamber ID No. 59-45-0150) with a total of 82,080 square feet of collecting plate area installed on the flue gas exit system of the boiler (Stack ID No. 59-67-1400),
 - (b) one filter vent (ID No. 59-50-0420) consisting of 9 bags (8.9 square feet of area per bag for a total 88 square feet of filter area) installed on the vent on the ash silo,
 - (c) one bagfilter (ID No. 59-50-0310) (374 square feet of filter area) installed on the vacuum pump system which provides the air for the transport of the precipitated ash to hoppers,

AIR SOURCE AREA: RECOVERY

- PSD** 1. No. 5 Recovery Boiler or "Recovery" Boiler (New Design) (ID No. ES-10-25-0110),
NSPS firing 130 tons per hour of Black Liquor Solids with auxiliary low sulfur No. 2 fuel oil (NSPS, Subpart BB):

Two electrostatic precipitators (North ID No. 10-45-0010, South ID No. 10-45-0220) with 169,194 square feet of plate area per precipitator, installed on the flue gas exit system from the boiler. (Flue gas stack same as that for No. 1 Hog Fuel Boiler) (Installed December 1975)

2. No. 5 Smelt Dissolving Tanks (North and South):

Two spray tower-type wet scrubbers (North ID No. 14-05-0700, South ID No. 14-05-0750) with a maximum liquid injection rate of 377 gallons per minute each, installed, one on each, on two vents from the tanks; wet scrubber South ID No. 14-05-0750 also handling emissions from the Salt Cake Mix Tank (ID No. 10-08-0010).

- NSPS** 3. A 350,000 gallons capacity No. 2 fuel oil storage tank (NSPS, Subpart Kb),

- NSPS** 4. Operation of No. 6 set of six multiple effect evaporators (ID No. 09-20) and No. 7 set of seven multiple effect evaporators (ID No. 09-25) exhausting to the Low Volume, High Concentration (LVHC) non-condensable gas collection system. (No. 7 - NSPS, SubpartBB) (Started up No. 6 in 1974 and No. 7 in 1 October 1981).

AIR SOURCE AREA: PULP MILLS, CAUSTICIZING, AND NON-CONDENSIBLE GAS COLLECTION

1. Installed on the Low Volume, High Concentration (LVHC) gas collection system, a packed tower process wet scrubber (80 gallons per minute minimum white liquor injection rate, ID No. 14-55-2020). The scrubber is followed by incineration in the No. 5 lime kiln, the No. 2 Hog Fuel boiler or, as needed through May 31, 2007, the Riley Boiler to remove odorous emissions, and to control the TRS emissions from the pulp mills, digesters and associated equipment and concentrators,

- NSPS** 2. One venturi scrubber (ID No. 14-70-2012) with a minimum 800 gallons per minute liquid injection rate and 1.5 to 5.0 inches of water pressure drop installed on lime kiln No. 5. The kiln has a capacity of 500 tons per day of reburned lime. (NSPS, Subpart BB) (Installed 1987) and also combusts gases from the LVHC and Stripper Off Gas Collection Systems (SOG). The scrubber can also control particulate emissions from the reburned lime crusher (ID No. 14-60-3015). The kiln has a 185 million Btu per hour, No. 6 fuel oil burner,

- PSD**
3. Two identical chilled water, chamber-type, wet scrubbers (45 gallons per minute minimum total injection rate each (once through flow), East ID No. 14-20-2035 or K2, West ID No. 14-20-2100 or K3) installed on the East and West lime slakers (ID Nos. 14-20-2020 and 14-20-2085) and East and West causticizing lines (ID Nos. 14-20-2040/14-20-2050/14-20-2060 and 14-20-2105/14-20-2115/14-20-2125, respectively),

4. One bagfilter (ID No. 14-65-1075, 1608 square feet of fabric filter area) installed

on the reburned lime dust collection system (which consists of the reburned lime crusher (ID No. 14-60-3015), reburned lime conveyor (ID No. 14-65-1000), reburned lime bucket elevator (ID No. 14-65-1020) and reburned lime bin (ID No. 14-65-1030),

5. One bagfilter (ID No. 14-65-1082, 360 square feet of fabric filter area) installed on the fresh lime bin (ID No. 14-65-1080),
6. One high energy venturi scrubber (48 gallons per minute minimum rate total injection rate, ID No. 14-30-6025 or K5) installed on the lime mud filter system (East and West lime mud filters, ID Nos. 14-30-5000 and 14-30-6000, respectively),
- NSPS** 7. No. 6 digester and brown stock washer rated at 800 bone dry tons per day (NSPS, Subpart BB),
- NSPS** 8. No. 7 digester and brown stock washer rated at 1,250 bone dry tons per day (NSPS, Subpart BB),
- NSPS** 9. One turpentine recovery system consisting of a 32,000 gallon storage tank, underflow tank and decanter tank, a rail load out and a condensing system vented to the LVHC system. (NSPS, Subpart Kb),
- NSPS** 10. One methanol storage tank 19,500 gallon capacity. (NSPS, Subpart Kb),
11. No. 3 green liquor clarifier (ID No. 14-10-0400),
12. No. 3 green liquor storage tank (ID No. 14-10-0750),
13. No. 3 white liquor clarifier (ID No. 14-25-0450),
14. No. 4 green liquor clarifier (ID No. 14-10-0050),
15. No. 4 white liquor clarifier (ID No. 14-25-0800),
16. Dregs surge tank (ID No. 14-15-0600),
17. Dregs filter (ID No. 14-15-0800),
18. Demineralizer neutralization tank (ID No. 53-20-0470),
19. Lime mud mix tank (ID No. 14-30-0310),
20. No. 2 lime mud wash tank (ID No. 14-30-0350),

21. No. 2 lime mud storage tank (ID No. 14-30-1450),
22. No. 3 lime mud wash tank (ID No. 14-30-0700),
23. Weak wash storage tank (ID No. 14-15-0450),
24. Mud filter filtrate tank (ID No. 14-30-6060), and
25. The High Volume, Low Concentration (HVLC) gas collection system on Fiberlines Nos. 6 and 7 exhausting to the Nos. 1 and 2 Hog Fuel Boilers. HVLC sources are the Fiberline Blowtanks, Chip Bin Relief Condensers, Secondary Knotters, Quarternary Screens, Decker Hoods, Screen Dilution Tanks, Screen Rejects Tank, and Decker Filter Tanks.
26. Fiberlines Nos. 6 & 7 Spill Collection Tank (ID No. 08-65-1060),
27. South Weak Black Liquor Storage Tank (ID No. 09-05-0210);

AIR SOURCE AREA: BLEACH PLANTS

1. One packed tower caustic scrubber (70 gallons per minute minimum wetting rate, ID No. 08-52-1860) installed on the R8/10 chlorine dioxide generator (16,425 tons per year capacity),
- PSD** 2. One catenary grid caustic scrubber (40 gallons per minute minimum wetting rate, ID No. 06-35-8100) for emissions from the chlorine dioxide, peroxide, and extraction tower stages in the No. 6 bleach plant,
- PSD** 3. One catenary grid caustic scrubber (100 gallons per minute minimum wetting rate, ID No. 07-36-8000) for emissions from the chlorine dioxide, peroxide, and extraction tower stages in the No. 7 bleach plant,
4. East and West chlorine railcar unloading operations (ID Nos. 19-05-1000 and 19-05-1020, respectively),
5. One 24,000 gallon capacity, fixed roof sulfuric acid storage tank (ID No. 08-50-3020),
- PSD** 6. No. 6 bleach plant oxygen delignification system (ID No. 06-31-0180),
- PSD** 7. No. 6 Bleach Plant 2C washer (ID No. 06-32-2460),
8. White Liquor Oxidizer (ID No. 08-70) which vents to the No. 7 bleach plant scrubber,

- PSD** 9. No. 6 Bleach Plant Second Stage washer tower (atmospheric diffuser, ID No. 06-32-2100),
- PSD** 10. No. 6 Bleach Plant Second Stage 2A/2B filtrate tank (for the second stage atmospheric diffuser, ID No. 06-32-2120),
- PSD** 11. No. 6 Bleach Plant Second Stage oxygen reactor blow tube (ID No. 06-32-2060),
- PSD** 12. No. 7 bleach plant oxygen delignification system (ID No. 07-31-1100).
- PSD** 13. No. 7 Bleach Plant first stage washer tower (atmospheric diffuser, ID No. 07-31-1180),
- PSD** 14. No. 7 Bleach Plant first stage 1A/1B filtrate tank (for the atmospheric diffuser washer, ID No. 07-31-1200),
- PSD** 15. No. 7 Bleach Plant second stage washer tower (exhausts to the filtrate tank, ID No. 07-32-2180),
- PSD** 16. No. 7 Bleach Plant filtrate tank (for the second stage pressure diffuser washer, ID No. 07-32-2240),
- PSD** 17. No. 7 Bleach Plant first stage oxygen reactor blow tube (ID No. 07-31-1140),
- PSD** 18. No. 7 Bleach Plant second stage oxygen reactor surge tank (ID No. 07-32-2120),
- PSD** 19. No. 7 Bleach Plant third stage feed tank (ID No. 07-33-3000).

AIR SOURCE AREA: PAPER OPERATIONS

- 1. Size Press Starch System with:
 - (a) Two identical bin vent filters (300 square feet of filter area each, ID Nos. 44-02-1880 and 45-02-1100) installed, one each, on Size Press Starch Silos Nos. NC4 and NC5, respectively,
- 2. Alkaline Starch System (Wet End Starch System):

Two identical bin vent filters (North silo ID No. 45-07-2025 and South Silo ID No. 44-07-2025, 300 square feet of filter area each) installed, one on each silo vent, on starch silo 1 and starch silo 2,
- 3. NC-1 paper line (ID No. 31-93-0100),

4. NC-2 paper line (ID No. 32-93-0100),
5. NC-3 paper line (ID No. 33-93-0100),
6. NC-4 paper line (ID No. 44-93-0100),
7. NC-5 paper line (ID No. 45-93-0100),
8. Fine Paper Finishing Operations:
 - (a) One simple cyclone (192 inches in diameter, ID No. CD-49-70-1920) installed on sheeter No. 11 (ID No. ES-49-47-1000) and Sheeter No. 9
 - (b) One rotoclone (35 square feet of collection area, ID No. CD-49-70-2180) installed on the broke pulper collection system (ID No. ES-49-70-0180)
 - (c) One simple cyclone ("No. 10 Sheeter" Cyclone ID No. 49-70-0800) (190 inches in diameter) installed on the paper sheeting trim collection system,
9. NC-1 Wet End Starch system consisting of a bagfilter (300 square feet of filter area, ID No. 31-02-1120) installed on a pneumatic starch silo.

AIR SOURCE AREA: FUEL STORAGE AND MAINTENANCE SHOPS

1. One 602,000 gallons capacity fixed roof-type, No. 6 fuel oil storage tank (ID No. 52-10-0010),
2. One 4,888 gallons capacity fixed roof type No. 2 fuel oil storage tank (ID No. 10-04-0010),
3. One 15,500 gallons capacity fixed roof type gasoline storage tank (ID No. 94-30-2500) with submerged fill,
4. East diesel fuel storage tank with a submerged fill pipe (15,500 gallons capacity, fixed roof type, ID No. 94-30-2300),
5. West diesel fuel storage tank (15,500 gallons capacity fixed roof type, ID No. 94-30-2350) with submerged fill,
6. Bark Dozers' diesel fuel storage tank (3,000 gallons capacity, fixed roof type, ID No. 52-95-0050),
7. Woodyard diesel fuel storage tank (10,000 gallons capacity, fixed roof type, ID No. 00-95-9900),

8. One simple cyclone (2 feet in diameter, ID No. 94-15-0450) installed on the carpentry shop vacuum system for wood dust control,
9. one Binks paint spray booth with dry filters (ID No. 94-55-0105),
10. No. 5 lime kiln diesel backup engine (ID No. 14-60-3000),
11. Runoff collection sewer lift station diesel backup engine (ID No. 73-05-4510),
12. Fiber line sewer lift station diesel backup engine (ID No. 73-05-5290),
13. Warren Neck Creek, East diesel fire pump engine (ID No. 53-40-0140),
14. Warren Neck Creek, West diesel fire pump engine (ID No. 53-40-0145),
15. Fine Paper diesel fire pump engine (ID No. 53-40-0130), and
16. Ten (10) open top degreasers utilizing nonphotochemically reactive materials.

AIR SOURCE AREA: WASTEWATER

- NSPS**
1. Wastewater condensate stripper system (NSPS, Subpart BB) which vents into the Stripper Off Gas (SOG) non-condensable gas collection system for incineration in the No. 5 lime kiln, the No. 2 Hog Fuel boiler or, as needed through May 31, 2007, the Riley Boiler. The Nos. 3, 6, and 7 fiber line secondary condensers, the No. 7 fiber line turpentine decanter weir and tank, the Nos. 6 and 7 evaporator hotwells, the concentrator hotwell vent and the stripper feed tank are LVHC sources which vent into the LVHC non-condensable gas collection system for incineration in the No. 5 lime kiln or No. 2 Hog Fuel boiler,
 2. One wastewater collection system consisting of:
 - (a) pulp mill open channel sewer (ID No. 73-05-2000),
 - (b) pulp mill sewer ditch and No. 1 lift station (ID No. 73-05-6000a),
 - (c) paper and bleach plant sewer ditch and No. 1 lift station (ID No. 73-05-6000),
 - (d) No. 1 lift station receiving pond,
 - (e) fiber line sewer lift station (ID No. 73-05-5200),
 - (f) sludge dewatering feed tanks No. A (ID No. 73-20-1080) and No. B (ID

- No. 73-20-1120),
 - (g) No. 1 settling pond (ID No. 73-10-1000),
 - (h) No. 2 settling pond (ID No. 73-10-2000),
 - (i) No. 2 lift station (ID No. 73-10-2510),
 - (j) Aeration basin (ID No. 73-10-3000),
 - (k) riffler (ID No. 73-10-3920),
 - (l) retention ponds No. 1 (ID No. 73-10-4000) and No. 2 (ID No. 73-10-4500), and
 - (m) combined condensate tank (ID No. 02-20-0250).
3. one Secondary Sludge Dewatering Facility (SSDF) receiving dredged sludge from the existing aeration stabilization basin and retention ponds R1 and R2.
- (a) one 60,000 gallon, open-topped sludge holding tank (ID No. ES-73-25-0040) equipped with a mixer,
 - (b) one 1,070,000 gallon, open-topped sludge feed tank (ID No. ES-73-25-0070) equipped with a mixer,
 - (c) one baghouse (295 square feet of filter area, ID No. CD-73-25-0160) installed on a 5,000 ft³ lime silo (ID No. ES-73-25-0150) with a maximum 23.5 ton per day fill rate,
 - (d) one 300 tons per day (at 40% solids) secondary sludge dewatering process (with two main building vents, ID Nos. ES-73-25-0690 and ES-73-25-0700):
 - (i) two 10,000 gallon open-topped sludge reaction tanks equipped with mixers
 - (ii) two plate and frame sludge filter presses
 - (iii) two filtrate weir tanks
 - (iv) one dilute hydrochloric acid storage tank
 - (e) one 446.4 ft³ wastewater sump (ID No. ES-73-25-1100),
4. 95-acre landfill No. 3 (10.8 million cubic yards capacity), and
5. one 3,888 ft³ clean filtrate/leachate sump (ID Nos. ES-73-25-1100 and ES-73-25-

1120) for both the secondary sludge dewatering facility and landfill No. 3.

AIR SOURCE AREA: WOODYARD OPERATIONS

1. No. 1 Chip Pile (ID No. 00-30-1000),
2. No. 2 Chip Pile (ID No. 00-30-2000),
3. Hogged Bark Fuel Storage Pile (ID No. 00-50-3280),
4. Chip Handling & Transfer System (In Woodyard) (ID No. FS-013),
5. Chip Conveying (To Pulping) (ID No. FS-012),
6. Screen House (ID No. 00-35-1000),
7. Hog Fuel Handling and Transfer (In Woodyard) (ID No. FS-010),
8. Hog Fuel Handling and Transfer (To Boiler Area) (ID No. FS-021),
9. Debarking and Chipping Line (ID No. 11-10-1500),
10. Hardwood Chip Pile (ID No. 11-30-2100),
11. Softwood Chip Pile (ID No. 11-30-2250), and
12. Two Bark Hogs (ID Nos. 11-50-4500-1 and 11-50-4500-2)

in accordance with the completed application (No. 5900069.05B) received November 15, 2005, including any plans, specifications, previous applications, and other supporting data, all of which are filed with the Department of Environment and Natural Resources, Division of Air Quality (DAQ) and are incorporated as part of this Permit.

This Permit is subject to the following specified conditions and limitations including any **TESTING, REPORTING, OR MONITORING REQUIREMENTS**:

A. SPECIFIC CONDITIONS AND LIMITATIONS

I. POWER AREA

1. Any air emission sources or control devices authorized to construct and operate above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission

Regulations, including Title 15A North Carolina Administrative Code (NCAC) 2D .0503, .0504, .0515, .0516, .0519, .0521, .0524.a. Subpart D and Db, .0530, .0535, .1100, .1806, and 2Q.0507.

2. Visible emissions from the No. 1 and No. 2 Hog Fuel boilers shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 27 percent opacity may occur not more than once in any hour (NSPS, Subpart D).
- 2a. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the Riley boiler, manufactured as of July 1, 1971, shall not be more than 40 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 90 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.
3. Visible emissions from the No. 1 Package Boiler shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 27 percent opacity may occur not more than once in any hour (NSPS Subpart Db).
4. In no case shall the sulfur dioxide emissions from the hog-fuel boilers Nos. 1 and 2 exceed 1.2 pounds per million Btu when coal is used as a fuel and 0.80 pounds per million Btu when No. 6 oil is used as a fuel, except during startup, shutdown, or malfunction conditions, as defined by 40 CFR 60.2 and 60.11. Hog-fuel boilers Nos. 1 and 2 shall not burn No. 6 oil alone except under startup, shutdown, and malfunction conditions. (NSPS, Subpart D)

The Washington Regional Supervisor, 252-946-6481, of the Division of Air Quality, shall be contacted prior to placing hog fuel boilers Nos. 1 and 2 on oil fire under malfunction conditions. Lack of sufficient quantities of wood waste, low sulfur coal (1.20 pounds of sulfur dioxide per million Btu input) or oil (0.80 pounds of sulfur dioxide per million Btu input) does not constitute a malfunction.

Startup and shutdown periods shall be defined as cold startup or complete shutdown to cold conditions and are further limited to periods of time no greater than 12 hours in duration.

5. Domtar Paper Company, LLC, Plymouth, is allowed to burn up to a maximum of 2,000 gallons of crankcase oil and 5,000 gallons of process machine gearbox oil per month as supplemental fuels that are generated at this facility in hog-fuel boilers Nos. 1 and 2.
6. Domtar Paper Company, LLC, Plymouth, is allowed to burn sludge from the Plymouth

and New Bern waste treatment facilities as supplementary fuel in Nos. 1 and 2 hog-fuel boilers. These sludges consist of approximately 50-100 BDT/D from the dewatering facility which handles wastewater treatment sludges and approximately 25 BDT/D of reject material from the secondary fiber facility. Recycled fiber rejects consist of 85-90 percent by weight, repulped "old corrugated container" (OCC) fibers and 10-15 percent by weight, plastic/styrofoam materials. Burning of the sludge is limited per Specific Condition A. I. 31. below.

- 6a. As required by 15A NCAC 2D .0516 "Sulfur Dioxide Emissions from Combustion Sources", sulfur dioxide emissions from the No. 1 combination (Riley) boiler shall not exceed 2.3 pounds per million Btu heat input.
7. The Permittee shall not exceed an annual twelve (12) month rolling average of 739 million Btu per hour at any time for Hog Fuel Boiler No. 2 (effective September 10, 1992).
8. At no time shall the annual coal usage in the hog-fuel boiler No. 1 exceed 52,560 tons.
9. By February 1 of each calendar year, the Permittee shall submit, in writing, to the North Carolina Division of Air Quality, Washington Regional Office, the following:
 - (a) coal usage in tons per year for all units individually,
 - (b) No. 6 oil usage in gallons per year for all units individually,
 - (c) hog fuel in tons per year for all units individually,
 - (d) sludge usage in tons per year, and
 - (e) used oil usage in gallons per year.
10. Domtar Paper Company, LLC, Plymouth, shall take quarterly sample of their used oils and make an annual composite sample to be analyzed for the following and the results sent to the Division of Air Quality:
 - (a) type of used oil,
 - (b) weight (lb./gal.),
 - (c) Btu content (Btu/gal.),
 - (d) ash content (% by wt.),
 - (e) sulfur content (% by wt.),
 - (f) lead content (% by wt.), and
 - (g) mercury, PCB, halogens, chromium, arsenic, cadmium, nickel, zinc, and aluminum (% by wt.).
11. At no time shall the nitrogen oxide emissions from the hog fuel boilers Nos. 1 and 2 exceed 0.70 pounds per million Btu heat input when firing hog fuel or coal in combination

(3 hour rolling average).

12. The hog-fuel boilers Nos. 1 and 2 shall comply with all provisions, including the notification, testing, and monitoring requirements contained in Environmental Management Regulation 15 NCAC 2D .0524, "New Source Performance Standards" as promulgated in 40 CFR 60, Subpart D, "Standards of Performance for Fossil Fuel Fired Steam Generators".
13. The hog-fuel boilers Nos. 1 and 2 shall be equipped with an opacity monitor, and fuel samples shall be taken and the monitoring and sampling results reported in accordance with Environmental Management Commission Regulations 15 NCAC 2D .0524, and .0600.
14. TESTING REQUIREMENT - Under the provisions of North Carolina General Statutes 143-215.108 the Permittee shall demonstrate compliance with the emission limit(s) by testing both the Riley Boiler and the No. 2 Hog Fuel Boiler once every permit cycle (5 years) for particulate and sulfur dioxide emissions using EPA Methods 1 through 5, 202 and 6 contained in 40 CFR 60, Appendix A, **OR** in accordance with a testing protocol approved by the DAQ.
 - (a) To afford the Regional Supervisor, DAQ, the opportunity to have an observer present, the Permittee shall PROVIDE the Regional Office, in WRITING, at least 15 days notice of any required performance test(s).
 - (b) The test results must be received by the Regional Supervisor, DAQ, in accordance with the approved procedures of the Environmental Management Commission within 30 days of the Permittee receiving the results.
 - (c) This permit may be revoked, with proper notice to the Permittee, or enforcement procedures initiated, if the results of the test(s) indicate that the facility does not meet applicable limitations.
 - (d) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or above its normal production rate. In addition, the Permittee must submit documentation to this effect along with the test results mentioned in Section (A)(I)(17)(b) above.
 - (e) All associated testing costs are the responsibility of the Permittee.
15. TESTING REQUIREMENT - Under the provisions of North Carolina General Statutes 143-215.108 the Permittee shall demonstrate compliance with the emission limit(s) by testing both the Riley Boiler and the No. 1 Hog Fuel Boiler once every permit cycle (5 years) for sulfur dioxide and particulate emissions using EPA Methods 1 through 5, 202 and 6 contained in 40 CFR 60, Appendix A, **OR** in accordance with a testing protocol approved by the DAQ.

- (a) To afford the Regional Supervisor, DAQ, the opportunity to have an observer present, the Permittee shall PROVIDE the Regional Office, in WRITING, at least 15 days notice of any required performance test(s).
 - (b) The test results must be received by the Regional Supervisor, DAQ, in accordance with the approved procedures of the Environmental Management Commission within 30 days of the Permittee receiving the results.
 - (c) This permit may be revoked, with proper notice to the Permittee, or enforcement procedures initiated, if the results of the test(s) indicate that the facility does not meet applicable limitations.
 - (d) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or above its normal production rate. In addition, the Permittee must submit documentation to this effect along with the test results mentioned in Section (A)(I)(18)(b) above.
 - (e) All associated testing costs are the responsibility of the Permittee.
16. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the No. 1 Package Boiler, the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, record keeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524, "New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart Db, including Subpart A "General Provisions".
- (a) NSPS REPORTING REQUIREMENTS - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, Division of Air Quality, in WRITING, of the following:
 - (i) the sulfur content of the No. 2 distillate oil combusted in the affected facility shall not exceed 0.5 percent by weight. Within thirty days after each calendar year quarter, the Permittee must submit in writing to the Regional Supervisor, Division of Air Quality, the sulfur content of the distillate oil combusted in an affected facility. Fuel supplier certification shall include the following information:
 - (A) the name of the oil supplier;
 - (B) a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60.41(c);

- (C) a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certification submitted represents all of the fuel combusted during the quarter;
- (b) NSPS RECORD KEEPING REQUIREMENTS - In addition to any other RECORD KEEPING requirements of the Environmental Protection Agency (EPA), the Permittee is required to maintain records as follows:
- (i) the owner or operator of an affected facility shall record and maintain records of the amounts of fuel combusted during each day; and
 - (ii) all records required under this section shall be maintained by the owner or operator of an affected facility for a period of two years following the date of such record.
- (c) NSPS EMISSIONS LIMITATIONS - As required by 15A NCAC 2D .0524, the following Permit limits shall not be exceeded:
- | | |
|---|---|
| <u>AFFECTED FACILITY</u>
No. 1 Package Boiler
(firing No. 2 fuel oil) | <u>POLLUTANT EMISSION LIMIT</u>
Sulfur Dioxide 0.5 lb/million Btu
Particulate (opacity) 20%
Nitrogen Oxides 0.2 lb/million Btu |
| <u>AFFECTED FACILITY</u>
No. 1 Package Boiler
(firing No. 6 fuel oil) | <u>POLLUTANT EMISSION LIMIT</u>
Sulfur Dioxide 0.8 lb/million Btu and
90% control
Particulate 0.10 lb/million Btu
Opacity 20%
Nitrogen Oxides 0.4 lb/million Btu |
- (d) CONTINUOUS MONITORING REQUIREMENT - For the No. 1 Package Boiler, continuous emissions monitors for opacity, sulfur dioxide (while firing No. 6 fuel oil or alternatively sampling and/or testing pursuant to § 60.47b(b)) and nitrogen oxides emissions shall be installed, calibrated, maintained, tested, and operated in accordance with 40 CFR Part 60, Subpart Db, Appendix B - Performance Specifications (initial testing requirements) and Appendix F (applies to NOx monitor only) - Quality Assurance Procedures. 60.13(f) provides the minimum ongoing performance requirements for the opacity monitor. Reporting and recordkeeping requirements associated with these monitors are found in Subpart Db. Quarterly performance reports will be due to the Regional Office 30 days after each calendar quarter for each monitor.
- (e) NSPS PERFORMANCE TESTING - As required by 15A NCAC 2D .0524, the following initial performance tests shall be conducted while firing No. 6 fuel oil:
- i. Visible Emissions – Pursuant to § 60.46b(b and d)
 - ii. Sulfur dioxide – Pursuant to § 60.45b

iv. Nitrogen oxides – Pursuant to § 60.46b(c)

(A) All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR Part 60 Appendix A.

(B) The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and requirements.

(C) Within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after the initial start-up of the affected facility, the Permittee shall conduct the required performance test(s) and submit a written report of the test(s) results.

(D) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate.

(E) All associated testing costs are the responsibility of the Permittee.

16a. The No. 1 Riley combination boiler shall comply with the monitoring requirements for opacity, as set out in 15 NCAC 2D .0600, "Monitoring: Record Keeping: Reporting," and 40 CFR 51, Appendix P.

17. PARTICULATE CONTROL REQUIREMENT - As required by 15A NCAC 2D .0503 "Particulates from Fuel Burning Indirect Heat Exchangers", particulate matter emissions from the No. 1 Package Boiler shall not exceed allowable emission rates.

18. The Permittee shall maintain all necessary records as required by NSPS Subpart Kb for the 300,000 gallon low sulfur No. 2 fuel oil storage tank.

19. Records must be kept of the date and duration of the combustion of LVHC NCG and SOG gases in the No. 2 Hog Fuel Boiler and, as needed through May 31, 2006, the Riley Boiler.

19a. LIMITATION TO AVOID 15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION" - To comply with this permit and avoid the applicability of 15A NCAC 2D .0530, "Prevention of Significant Deterioration", as requested by the Permittee, sulfur dioxide emissions from the Riley Boiler shall be less than 851 tons per consecutive twelve (12) month period.

(a) Operations Restrictions - To ensure precise and accurate monitoring of SO₂ emissions (in lbs/hr) from the Riley Boiler for purposes of the "Prevention of Significant Deterioration," continuous emission monitoring systems (CEMS) shall be installed and operated in accordance with the following requirements:

(i) the CEM systems shall be installed, tested, and certified in accordance with 40 CFR Part 60, Appendix B, Performance Specifications 2 and 6 - Specification and Test Procedures for SO₂ CEMS and Continuous Emission Rate

Monitoring Systems (CERMS) in Stationary Sources. Relative Accuracy Test Audit (RATA) for the SO₂ and the flow monitors shall be conducted for individual components, with results expressed in parts per million (ppm) and standard cubic feet per minute (SCFM), respectively and for the system with results expressed in units of the standard (lbs/hr).

(ii) the CEM systems shall also be calibrated, audited, and maintained in accordance with 40 CFR Part 60, Appendix F, Quality Assurance Procedures.

(iii) the CEM shall be maintained to ensure data availability in accordance with the EPA Region IV CEM Enforcement Plan (CEP) or any guidelines succeeding the Region IV CEP. During periods when the certified monitor is down or "out-of-control", as defined in 40 CFR Part 60, Appendix F, the owner or operator shall substitute emission data using the monthly average emission rate for the period in which the monitor is not collecting quality assured data. During periods when monitor downtime coincides with scrubber downtime the maximum potential emissions shall be substituted.

(b) Reporting Requirements - For compliance purposes, within thirty (30) days after each calendar year quarter, the following shall be reported to the Regional Supervisor, Division of Air Quality:

(i) the monthly sulfur dioxide emissions for the previous fourteen (14) months. The emissions must be calculated for each of the three twelve month periods over the previous fourteen months.

(c) Record Keeping Requirements - Calculation of the consecutive twelve (12) month periods began on September 2, 1994. The Permittee shall keep each monthly record on file for a minimum of three (3) years.

20. To comply with 15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION," the following Best Available Control Technology (BACT) limits apply:

PSD Affected Sources	Pollutant	BACT Emission Limits
No. 1 Hog Fuel Boiler	carbon monoxide	1,646 lbs/hr when burning HVLC NCG gases
No. 2 Hog Fuel Boiler	carbon monoxide	1,433 lbs/hr when burning HVLC NCG gases
No. 2 Hog Fuel Boiler	PM-10	0.1 pound per million Btu

		(lb/mmBtu) heat input
No. 2 Hog Fuel Boiler	sulfur dioxide	1.2 lb/mmBtu for coal/wood 0.8 lb/mmBtu for oil/wood
No. 2 Hog Fuel Boiler	sulfuric acid mist	339 lb per 24 hours when burning LVHC and SOG gases
No. 2 Hog Fuel Boiler	TRS	235 lb TRS per 24 hours when burning LVHC and SOG gases
No. 1 Package Boiler	PM-10	0.1 lb/mmBtu
No. 1 Package Boiler	sulfur dioxide	1,987 pounds of SO2 emitted per 24 hours
No. 1 Package Boiler	nitrogen oxides	0.40 lb/mmBtu

20a. ELECTROSTATIC PRECIPITATOR REQUIREMENTS - Particulate emissions from the Riley Boiler shall be controlled as described in the permitted equipment list under AIR SOURCE AREA: POWER.

- (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of the ESP system. In addition, the Permittee shall perform periodic inspections and maintenance (I&M) as recommended by the equipment manufacturer. As a minimum, the I&M program, and each annual internal inspection, will include the following:
- (i) visual checks of critical components such as rappers and ash removal equipment;
 - (ii) checks for any equipment that do not generate an alarm in the turned-off state, to ensure it is switched on;
 - (iii) checks for signs of plugging of gas distribution plates, and excessive buildup on inlet and outlet plenum floor surfaces;
 - (iv) checks for signs of hopper plugging; and
 - (v) checks for broken rapper rod insulators, cracked support bushing insulators,

and broken or loose stabilizer bar insulators (if installed), and replacement as required.

- (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

- 21. FABRIC FILTER REQUIREMENTS - Particulate emissions shall be controlled by bagfilters as described in the permitted equipment list under AIR SOURCE AREA: POWER.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of each of the fabric filter systems. In addition, the Permittee shall perform periodic inspections and maintenance as recommended by the equipment manufacturer.
 - (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

- 22. CYCLONE REQUIREMENTS - Particulate emissions shall be controlled by multicyclones as described in the permitted equipment list under AIR SOURCE AREA: POWER.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual inspection of each of the multicyclones. In addition, the Permittee shall perform inspections and maintenance as recommended by the equipment manufacturer.
 - (b) Record Keeping Requirements - The results of all inspections and any variance from standards operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a cyclone logbook. Records of all maintenance activities shall also be recorded in the logbook. The multicyclone logbook (in written or electronic form) shall be kept on-site and made available to

DAQ personnel upon request.

23. SCRUBBER REQUIREMENTS - Emissions shall be controlled by the scrubber on the Riely boiler or No. 1 Package boiler and the electroscrubbers on No.1 and No. 2 Hog Fuel Boilers as described in the permitted equipment list under AIR SOURCE AREA: POWER.

- (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform periodic inspections and maintenance as recommended by the manufacturer. The Permittee shall perform at a minimum an annual internal inspection of the No. 1 Package boiler scrubber. The Permittee shall perform at a minimum one annual internal inspection of one module of one Hog Fuel Boiler electroscrubber so that all six modules are inspected over a six year cycle.

As a minimum, the annual internal inspection will include inspection of spray nozzles, packing material, chemical feed system (if so equipped), and the cleaning/calibration of all associated instrumentation annually.

- (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

24. LIMITATION TO AVOID 15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION" - To comply with this permit and avoid the applicability of 15A NCAC 2D .0530, "Prevention of Significant Deterioration", as requested by the Permittee, mercury emissions from the Nos. 1 and 2 Hog Fuel Boilers shall be less than 0.1 tons per consecutive twelve (12) month period.

- (a) Operations Restrictions - To ensure compliance, the Permittee shall monitor the amount of sludge fired monthly and the amount of mercury in the sludge and calculate the mercury emissions (based on the most recent sludge analysis).
 - (b) Reporting Requirements - For compliance purposes, within thirty (30) days after each calendar year quarter, the following shall be reported to the Regional Supervisor, Division of Air Quality:
 - (i) the monthly mercury emissions for the previous fourteen (14) months. The emissions must be calculated for each of the three twelve month periods over the previous fourteen months.
 - (c) Record Keeping Requirements - Calculation of the consecutive twelve (12) month periods begin on February 13, 2006. The Permittee shall keep each monthly record on file for a minimum of three (3) years.
25. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For 85.7 mmBtu/hr boiler fired with low sulfur No. 2 fuel oil (ID No. ES-RB1) and 85.7 mmBtu/hr boiler fired with low sulfur No. 2 fuel oil (ID No. ES-RB2), the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart Dc, including Subpart A "General Provisions."
- a. NSPS Reporting Requirements - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, DAQ, in WRITING, of the following:
 - i. The date construction (40 CFR 60.7) or reconstruction (40 CFR 60.15) of an affected source is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form;
 - ii. The actual date of initial start-up of an affected source, postmarked within 15 days after such date. If the affected source is permitted to burn multiple fuels, then the actual date of start-up, for each fuel, must be submitted and postmarked within 15 days after such date;
 - iii. The sulfur content of the distillate oil combusted in an affected source shall not exceed 0.5 percent by weight. Within 30 days after each six-month period of the calendar year, the Permittee must submit in writing to the Regional Supervisor, DAQ, the sulfur content of the distillate oil combusted in an affected source. If fuel supplier certification is used to

demonstrate compliance, fuel supplier certification shall include the following information:

- A. The name of the oil supplier;
 - B. A statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60.41(c); and
 - C. A certified statement signed by the owner or operator of an affected source that the records of fuel supplier certification submitted represent all of the fuel combusted during the reporting period.
- b. NSPS Recordkeeping Requirements - In addition to any other recordkeeping requirements of the EPA, the Permittee is required to maintain records as follows:
- i. The amounts of each fuel combusted during each month; and
 - ii. All records required under this section shall be maintained for a period of two years following the date of such record.
- c. NSPS Emissions Limitations - As required by 15A NCAC 2D .0524, the following permit limits shall not be exceeded:

Affected Source(s)	Pollutant	Emission Limit
ES-RB1 and ES-RB2	Sulfur dioxide	The maximum sulfur content of any fuel oil received and burned in the boiler shall not exceed 0.5 percent by weight.
ES-RB1 and ES-RB2	Opacity	Visible emissions from this source shall not be more than 20 percent opacity when averaged over a six-minute period, except for one six-minute period per hour of not more than 27 percent opacity.

- d. NSPS Performance Testing - As required by 15A NCAC 2D .0524, the following performance tests shall be conducted:
- i. Initial fuel oil analysis is required for the NSPS performance test. For the initial fuel oil analysis, the performance test shall consist of:
 - A. Sampling and analyzing the oil in the initial tank of oil to be fired

in the boiler; or

B. The certification from the fuel supplier, as described under 40 CFR Subpart 60.48c (f) (1), (2), or (3) to demonstrate that the oil contains 0.5 weight percent sulfur or less.

- ii. All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR 60, Appendix A.
- iii. The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and reporting requirements.
- iv. Within 60 days after achieving the maximum production rate at which the source(s) will be operated, but not later than 180 days after the initial start-up of the affected source, for each fuel permitted, the Permittee shall conduct the required performance test(s) and submit two copies of a written report of the test(s) to the Regional Supervisor, DAQ.
- v. The Permittee shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate.
- vi. All associated testing costs are the responsibility of the Permittee.
- vii. At least 45 days prior to performing any required emissions testing, the Permittee must submit two copies of a testing protocol to the Regional Supervisor, DAQ for review and approval. All testing protocols must be approved by the DAQ prior to performing such tests.
- viii. To afford the Regional Supervisor, DAQ, the opportunity to have an observer present, the Permittee shall PROVIDE the Regional Office, in WRITING, at least 15 days notice of any required performance test(s).

26. 15A NCAC 2D .1111 "MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY" – The boilers (ID Nos. ES-RB1 and ES-RB2) are considered “temporary” boilers under 40 CFR Part 63 Subpart DDDDD § 63.7575. In the event that the boilers remain on-site for more than 180 consecutive days, the permittee shall comply with all the requirements of 40 CFR Part 63 Subpart DDDDD.

28. 15A NCAC 2Q .0317 AVOIDANCE OF 15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION" - To comply with this permit and avoid the applicability of 15A NCAC 2D .0530, "Prevention of Significant Deterioration", the No. 1 Package Boiler shall not operate simultaneously with either or both temporary boilers (ID Nos. ES-RB1 and ES-RB2).

II. RECOVERY AREA

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D.0508, .0516, .0521, .0524.a.Subpart BB, .0528, .0530, .0535, .1100, .1806 and 2Q.0507.
2. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the smelt dissolving tanks (Item 2) under AIR SOURCE AREA: RECOVERY, manufactured after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.
3. As required by 15 NCAC 2D.0535, Domtar Paper Company, LLC is required to have an approved Malfunction Abatement Plan for the No. 5 recovery boiler.
4. CONTINUOUS MONITORING REQUIREMENT - For the No. 5 Recovery Boiler a continuous emissions monitor for total reduced sulfur emissions shall be installed, calibrated, maintained, tested, and operated in accordance with 40 CFR Part 60, Appendix B, Performance Specifications and Appendix F, Quality Assurance Procedures. Quarterly performance reports will be due to the Regional Office 30 days after each calendar quarter for the monitor.
5. The No. 7 multiple effect evaporators shall comply with all provisions, including notification, and testing requirements, contained in Environmental Management Commission Standard 15 NCAC 2D .0524 "New Source Performance Standards" as promulgated in 40 CFR 60, Subpart BB (NSPS).
6. ELECTROSTATIC PRECIPITATOR REQUIREMENTS - Particulate emissions from the recovery boiler shall be controlled as described in the permitted equipment list under AIR SOURCE AREA: RECOVERY.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this

permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of each of the ESP systems. In addition, the Permittee shall perform periodic inspections and maintenance (I&M) as recommended by the equipment manufacturer. As a minimum, the I&M program, and each annual internal inspection, will include the following:

- (i) visual checks of critical components such as rappers and ash removal equipment;
 - (ii) checks for any equipment that do not generate an alarm in the turned-off state, to ensure it is switched on;
 - (iii) checks for signs of plugging of gas distribution plates, and excessive buildup on inlet and outlet plenum floor surfaces;
 - (iv) checks for signs of hopper plugging; and
 - (v) checks for broken rapper rod insulators, cracked support bushing insulators, and broken or loose stabilizer bar insulators (if installed), and replacement as required.
- (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans, or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

7. SCRUBBER REQUIREMENTS - Emissions from the smelt dissolving tanks shall be controlled as described in the permitted equipment list under AIR SOURCE AREA: RECOVERY.

- (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform periodic inspections and maintenance as recommended by the manufacturer. In addition, the Permittee shall perform at a minimum an annual internal inspection of each of the scrubber systems.

As a minimum, the annual internal inspection will include inspection of spray nozzles, packing material, chemical feed system (if so equipped), and the cleaning/calibration of all associated instrumentation annually.

- (b) Record Keeping Requirements - The results of all inspections and any variance

from standard operating procedures, standard maintenance plans, or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

8. To comply with 15A NCAC 2D .0530 “PREVENTION OF SIGNIFICANT DETERIORATION,” the following Best Available Control Technology (BACT) limits apply:

PSD Affected Sources	Pollutant	BACT Emission Limits
No. 5 Recovery Boiler	sulfur dioxide	16 ppm_{dv}@ 8% O₂ when combusting Black Liquor Solids (24 hour average) Combustion of 0.05% sulfur fuel when burning fuel oil
No. 5 Recovery Boiler	nitrogen oxides	110ppm_{dv}@ 8%O₂ when combusting Black Liquor Solids (24 hour average)
No. 5 Recovery Boiler	carbon monoxide	800ppm_{dv}@ 8%O₂ (24 hour average using CEMS)
No. 5 Recovery Boiler	sulfuric acid mist	10.16 lb/hr when combusting Black Liquor Solids

- (a) **OPERATIONAL LIMITATIONS** - In order to comply with the BACT limits above, the facility is limited to the following operational conditions:
- (i) The amount of black liquor solids fired in the No. 5 Recovery Furnace shall not exceed 130 tons per hour.
 - (ii) The sulfur content of fuel oil burned in the No. 5 Recovery Boiler should be equal to or less than 0.05%.
- (b) **PERFORMANCE TESTING** - To ensure the enforceability of the BACT limits above, performance tests shall be performed once per permit cycle (5 years) for sulfur dioxide, nitrogen oxides, carbon monoxide and sulfuric acid mist.

AFFECTED FACILITY
No. 5 Recovery Boiler

POLLUTANT TEST METHOD
sulfur dioxide EPA Method 6C or
alternative

nitrogen oxides	EPA Method 7E
carbon monoxide 10B	EPA Method 10 or 10B
sulfuric acid mist	EPA Method 8 or alternative

- (i) All performance tests for sulfur dioxide, nitrogen oxides and carbon monoxide may be conducted using a 24 hour averaging period.
- (ii) The first performance tests for sulfur dioxide, nitrogen oxides and carbon monoxide must be conducted within 90 days of boiler startup.
- (iii) All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR 60, Appendix A.
- (iv) The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and reporting requirements.
- (v) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate.
- (vi) All associated testing costs are the responsibility of the Permittee.
- (vii) TESTING REQUIREMENT - Under the provisions of North Carolina General Statutes 143-215.108 the Permittee shall demonstrate compliance with the emission limit(s) and BACT by testing the PSD upgraded No. 5 Recovery Boiler when firing BLS only at a rate of operation representative of normal operation of the unit. The test results and documentation of records showing what constitutes normal operation must be submitted to the Regional Supervisor, Division of Air Quality, in accordance with the approved procedures of the Environmental Management Commission by no later than thirty (30) days after each test date. This Permit may be revoked, with proper notice to the Permittee, if the results of the test(s) indicate that the facility does not meet applicable emission limitations. The Method 1 requirements of 40 CFR 60, Appendix A, "Sample and Velocity Traverses for Stationary Sources," should be considered during any construction and be met for emissions testing purposes.

If construction does not commence on the Prevention of Significant Deterioration

(PSD) affected facilities within eighteen (18) months after the effective date of this Permit, or if construction is discontinued for a period of eighteen (18) months or more, or if construction is not completed within a reasonable time, as determined by the Director, this Permit may be revoked.

9. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the PSD upgraded No.5 Recovery Furnace (when firing Black Liquor Solids only), the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, record keeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524, "New Source Performance Standards" as promulgated in 40 CFR 60, Subpart BB, including Subpart A "General Provisions".
- (a) NSPS REPORTING REQUIREMENTS - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, Division of Air Quality, in WRITING, of the following:
- (i) the date construction (40 CFR 60.7) or reconstruction (40 CFR 60.15) of an affected facility is commenced, postmarked no later than thirty (30) days after such date;
 - (ii) the anticipated date of initial start-up of an affected facility, postmarked not more than sixty (60) days nor less than thirty (30) days prior to such date; and
 - (iii) the actual date of initial start-up of an affected facility, postmarked within fifteen (15) days after such date. If the affected facility is permitted to burn multiple fuels, then the actual date of start-up, for each fuel, must be submitted and postmarked within fifteen (15) days after such date.
- (b) NSPS RECORD KEEPING REQUIREMENTS - In addition to any other recordkeeping requirements of the Environmental Protection Agency (EPA), the Permittee is required to maintain records as follows:
- (i) the owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day; and
 - (ii) all records required under this section shall be maintained by the owner or operator of an affected facility for a period of two years following the date of such record.
- (c) NSPS EMISSIONS LIMITATIONS - As required by 15A NCAC 2D .0524, the following Permit limits shall not be exceeded:

<u>AFFECTED FACILITY</u>	<u>POLLUTANT</u>	<u>EMISSION LIMIT</u>
No. 5 Recovery Boiler	particulate	0.044 gr/dscf @8%oxygen
	TRS	5 ppm by volume @8%oxygen
	visible emissions	35 % opacity

(d) NSPS PERFORMANCE TESTING - As required by 15A NCAC 2D .0524, the following performance tests shall be conducted:

<u>AFFECTED FACILITY</u>	<u>POLLUTANT</u>	<u>TEST METHOD</u>
No. 5 Recovery Boiler	particulate	Method 5
	TRS	Method 16
	visible emissions	Method 9 or alternate

- (i) All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR 60, Appendix A.
- (ii) The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and reporting requirements.
- (iii) Within (60) days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after the initial start-up of the affected facility, for each fuel permitted, the Permittee shall conduct the required performance test(s) and submit a written report of the test(s) to the Regional Supervisor, Division of Air Quality.
- (iv) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate.
- (v) All associated testing costs are the responsibility of the Permittee.

10. TESTING REQUIREMENT - Under the provisions of North Carolina General Statutes 143-215.108 the Permittee shall demonstrate compliance with the emission limit(s) by testing the PSD upgraded No. 5 Recovery Boiler when firing BLS only once every five

(5) years for particulate USEPA Methods 5 and 202 (or Division approved method) at a rate of operation representative of normal operation of the unit. The initial performance test for NSPS satisfies this requirement for this permit cycle. The test results and documentation of records showing what constitutes normal operation must be submitted to the Regional Supervisor, Division of Air Quality, in accordance with the approved procedures of the Environmental Management Commission by no later than thirty (30) days after each calendar year. This Permit may be revoked, with proper notice to the Permittee, if the results of the test(s) indicate that the facility does not meet applicable emission limitations. The Method 1 requirements of 40 CFR 60, Appendix A, "Sample and Velocity Traverses for Stationary Sources," should be considered during any construction and be met for emissions testing purposes. All associated testing costs are the responsibility of the Permittee.

11. 15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the No. 5 Recovery Boiler No. 2 fuel oil tank, the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, record keeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524, "New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart Kb, including Subpart A "General Provisions."

(a) NSPS REPORTING REQUIREMENTS - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, Division of Air Quality, in WRITING, of the following:

- (i) the date construction (40 CFR 60.7) or reconstruction (40 CFR 60.15) of an affected facility is commenced, postmarked no later than thirty (30) days after such date;
- (ii) the anticipated date of initial start-up of an affected facility, postmarked not more than sixty (60) days nor less than thirty (30) days prior to such date; and
- (iii) the actual date of initial start-up of an affected facility, postmarked within fifteen (15) days after such date;

III. PULP MILLS, CAUSTICIZING, AND NON-CONDENSIBLE GAS COLLECTION

- 1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D .0508, .0515, .0516, .0521, .0522, .0524.a.Subpart BB, .0528, .0530, .0535, .1100 and 2Q.0507.
- 2. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions

from the East and West lime slakers, reburned lime dust collection system, fresh lime bin, lime mud filter system (Items 3, 4, and 5 respectively), and lime kilns installed after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.

3. The No. 5 lime kiln shall comply with all provisions including the notification, testing, and monitoring requirements contained in Environmental Management Regulation 15 NCAC 2D .0524, "New Source Performance Standards", as promulgated in 40 CFR 60, Subpart BB.
4. No. 5 lime kiln shall not be operated at a production rate in excess of 500 bone dry tons of reburned lime per day.
5. TESTING REQUIREMENT - Under the provisions of North Carolina General Statutes 143-215.108 the Permittee shall demonstrate compliance with the emission limit(s) by testing the No. 5 Lime Kiln for particulate and TRS compound emissions once every permit cycle (5 years) using EPA Methods 1 through 5 and 16B contained in 40 CFR 60, Appendix A, **OR** in accordance with a testing protocol approved by the DAQ.
 - (a) To afford the Regional Supervisor, DAQ, the opportunity to have an observer present, the Permittee shall PROVIDE the Regional Office, in WRITING, at least 15 days notice of any required performance test(s).
 - (b) The test results must be received by the Regional Supervisor, DAQ, in accordance with the approved procedures of the Environmental Management Commission within 30 days of the Permittee receiving the results.
 - (c) This permit may be revoked, with proper notice to the Permittee, or enforcement procedures initiated, if the results of the test(s) indicate that the facility does not meet applicable limitations.
 - (d) The source shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or above its normal production rate. In addition, the Permittee must submit documentation to this effect along with the test results mentioned in Section (A)(III)(5)(b) above.
 - (e) All associated testing costs are the responsibility of the Permittee.
6. To comply with 15A NCAC 2D .0530 Prevention of Significant Deterioration, the following Best Achievable Control Technology (BACT) limits apply:

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PSD Affected Source	Pollutant	BACT Emission Limit
Lime Kiln No. 5	Carbon Monoxide	14.6 lbs/hr while combusting LVHC/SOG NCG gases

7. **FABRIC FILTER REQUIREMENTS** - Particulate emissions shall be controlled by bagfilters as described in the permitted equipment list under AIR SOURCE AREA: PULP MILLS, CAUSTICIZING, AND NON-CONDENSIBLE GAS COLLECTION.
- (a) **Inspection and Maintenance Requirements** - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of the fabric filter system. In addition, the Permittee shall perform periodic inspections and maintenance as recommended by the equipment manufacturer.
- (b) **Record Keeping Requirements** - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.
8. **SCRUBBER REQUIREMENTS** - Emissions shall be controlled by wet scrubbers as described in the permitted equipment list under AIR SOURCE AREA: PULP MILLS, CAUSTICIZING, AND NON-CONDENSIBLE GAS COLLECTION.
- (a) **Inspection and Maintenance Requirements** - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform periodic inspections and maintenance as recommended by the manufacturer. In addition, the Permittee shall perform at a minimum an annual internal inspection of each of the scrubber systems.
- As a minimum, the annual internal inspection will include inspection of spray nozzles, packing material, chemical feed system (if so equipped), and the cleaning/calibration of all associated instrumentation annually.
- (b) **Record Keeping Requirements** - The results of all inspections and any variance from standard operating procedures, standard maintenance plans, or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

IV. BLEACH PLANTS

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D.0521, .0530, .0535, .1100, .1806 and 2Q.0507.
2. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the Nos. 6 and 7 bleach plant sources, installed after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.
3. The Permittee shall take all reasonable precautions with any operation, process, handling, transportation, or storage facilities to prevent fugitive chlorine dioxide emissions from becoming airborne.
4. To comply with 15A NCAC 2D .0530 Prevention of Significant Deterioration, the following Best Achievable Control Technology (BACT) limits apply:

PSD Affected Source	BACT Emission Factor	Maximum Throughput	BACT Emission Limit
No. 6 Bleach Plant	2.2 lbs. CO/ ODT pulp	800 ODT/day	73.3 lbs. CO/hr 321.1 tpy
No. 7 Bleach Plant	2.2 lbs. CO/ ODT pulp	1250 ODT/day	114.6 lbs. CO/hr 502.0 tpy

5. SCRUBBER REQUIREMENTS - Emissions shall be controlled by scrubbers as described in the permitted equipment list under AIR SOURCE AREA: BLEACH PLANTS.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform periodic inspections and maintenance as recommended by the manufacturer. In addition, the Permittee shall perform at a minimum an annual internal inspection of each of the scrubber systems.

As a minimum, the annual internal inspection will include inspection of spray nozzles, packing material, chemical feed system (if so equipped), and the cleaning/calibration of all associated instrumentation annually.
 - (b) Record Keeping Requirements - The results of all inspections and any variance

from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

V. PAPER OPERATIONS

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D .0515, .0521, .0535, .1100, .1806 and 2Q.0507.
2. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the fine paper finishing operations, starch silo Nos. 1 and 2, and size press starch silos Nos. NC4 and NC5, established after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.
3. FABRIC FILTER REQUIREMENTS - Particulate emissions shall controlled by bagfilters as described in the permitted equipment list under AIR SOURCE AREA: PAPER OPERATIONS.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of each of the fabric filter systems. In addition, the Permittee shall perform periodic inspections and maintenance as recommended by the equipment manufacturer.
 - (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans, or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.
4. CYCLONE REQUIREMENTS - Particulate matter emissions shall be controlled by cyclones as described in the permitted equipment list under AIR SOURCE AREA: PAPER OPERATIONS.

- (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual inspection of each of the cyclones. In addition, the Permittee shall perform inspections and maintenance as recommended by the equipment manufacturer.
- (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a cyclone logbook. Records of all maintenance activities shall also be recorded in the logbook. The cyclone logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

VI. FUEL STORAGE AND MAINTENANCE SHOPS AREA

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D .0515, .0516, .0521, .0535, .0958, .1100, .1806 and 2Q.0507.
2. As required by 15A NCAC 2D .0521 "Control of Visible Emissions," visible emissions from the wood dust control system, and backup engines, installed after July 1, 1971, shall not be more than 20 percent opacity when averaged over a six-minute period, except that six-minute periods averaging not more than 87 percent opacity may occur not more than once in any hour nor more than four times in any 24-hour period. However, sources which must comply with 15A NCAC 2D .0524 "New Source Performance Standards" or .1110 "National Emission Standards for Hazardous Air Pollutants" must comply with applicable visible emissions requirements contained therein.
3. CYCLONE REQUIREMENTS - Particulate emissions from the carpentry shop vacuum shall be controlled by cyclone as described in the permitted equipment list under AIR SOURCE AREA: FUEL STORAGE AND MAINTENANCE AREA.
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual inspection of the cyclone. In addition, the Permittee shall perform inspections and maintenance as recommended by the equipment manufacturer.
 - (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a cyclone logbook. Records of all maintenance activities shall also be recorded in the logbook. The cyclone logbook (in written or electronic form) shall be kept on-site and made available to

DAQ personnel upon request.

VII. WASTEWATER AREA

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D .0515, .0524.a.Subpart BB, .0535, .1100, .1806 and 2Q.0507.
2. The maximum net fill rate (input minus output) of the combined condensate tank shall not exceed 96,000 gallons per hour.
3. FABRIC FILTER REQUIREMENTS - Particulate emissions from the lime silo (ID No. ES-73-25-0150) shall be controlled by bagfilter (ID No. CD-73-25-0160)
 - (a) Inspection and Maintenance Requirements - To comply with the provisions of this permit and ensure that emissions do not exceed the regulatory limits, the Permittee shall perform at a minimum an annual internal inspection of each of the fabric filter systems. In addition, the Permittee shall perform periodic inspections and maintenance as recommended by the equipment manufacturer.
 - (b) Record Keeping Requirements - The results of all inspections and any variance from standard operating procedures, standard maintenance plans or from conditions given in this permit (when applicable) shall be investigated with corrections made and dates of actions recorded in a logbook. Records of all maintenance activities shall also be recorded in the logbook. The logbook (in written or electronic form) shall be kept on-site and made available to DAQ personnel upon request.

VII. WOODYARD OPERATIONS

1. Any air emission sources or control devices authorized above must be operated and maintained in accordance with the provisions contained herein. The Permittee shall comply with applicable Environmental Management Commission Regulations, including 15A NCAC 2D .0515, .0535, .1100, .1806 and 2Q.0317 and .0507.
2. 15A NCAC 2Q .0317 AVOIDANCE CONDITION FOR:
15A NCAC 2D .0530 "PREVENTION OF SIGNIFICANT DETERIORATION" - To comply with this permit and avoid the applicability of 15A NCAC 2D .0530, "Prevention of Significant Deterioration", as requested by the Permittee, emissions of volatile organic compounds (VOCs) from the modified woodyard operations shall be less than 120 tons per consecutive twelve (12) month period.
 - (a) Operations Restrictions - To ensure enforceability of this limit, the following

restrictions shall apply:

- (i) No more than 2,238,545 green tons of softwood species may processed (logs converted onsite into chips) through the wood yard per any consecutive 12-month period.
- (b) Reporting Requirements - For compliance purposes, within thirty (30) days after each calendar year quarter, the following shall be reported to the Regional Supervisor, Division of Air Quality:
 - (i) The monthly tons of softwood processed onsite for the previous fourteen (14) months. The tonnage must be calculated for each of the three twelve month periods over the previous fourteen months.
 - (c) Record Keeping Requirements - Calculation of the consecutive twelve (12) month periods shall begin upon startup of the modified woodyard processes. The Permittee shall keep each monthly record on file for a minimum of three (3) years.

IX. SPECIFIC TOXIC EMISSION LIMITS FOR ENTIRE FACILITY

1. Pursuant to 15A NCAC 2D .1100 Control of Toxic Air Pollutants, the Permittee shall be subject to the following toxic limits for known compounds emitted from the combined pulp and paper mill and the wood products mill (Permit No. 06389R12). The limits are optimized, which means that the facilities would have to generate greater emissions than the maximum potential possible in order to exceed the acceptable ambient levels established in 15A NCAC 2D.1104. The optimized limits are not representative of actual emissions from the mills. Actual emissions are reported annually to the Division of Air Quality pursuant to 15A NCAC 2Q.0207.

Toxics Emitted from Mills

TOXIC NAME	OPTIMIZED LIMIT
Acetaldehyde	4,003 lbs/hour
Acetic Acid	335 lbs/hour
Acrolein	45 lbs/hour
Ammonia	54 lbs/hour
Arsenic & Compounds	285 lbs/year
Benzene	578,237 lbs/year
Benzo(a)pyrene	2,062 lbs/year
Benzyl Chloride	118 lbs/hour
Beryllium	21,449 lbs/year
Bromine	20 lbs/hour
1,3 Butadiene	15,786 lbs/year
Cadmium	855 lbs/year
Carbon Disulfide	3,545 lbs/day
Carbon Tetrachloride	347,230 lbs/year
Chlorine	1,616 lbs/day 67 lbs/hour
Chlorobenzene	71,209 lbs/day
Chloroform	2,668,386 lbs/year
Chromium (VI)	42 lbs/year
Cresol	149 lbs/hour
Di(2-ethylhexyl) phthalate (DEHP)	327 lbs/day
Dimethyl Sulfate	33 lbs/day
Epichlorohydrin	1,283,377 lbs/year
Ethylene Dibromide	160,065 lbs/year
Ethylene Dichloride	1,222,927 lbs/year

Fluorides	685 lbs/day 29 lbs/hour
Formaldehyde	133 lbs/hour
Hexachlorodibenzo-p-dioxin (HCDD)	147 lbs/year
N-hexane	18,895 lbs/day
Hydrogen Chloride	1,006 lbs/hour
Hydrazine	37 lbs/day
Hydrogen Sulfide	1,221 lbs/hour
Manganese & Compounds	2,028 lbs/day
Mercury, vapor	12 lbs/day
Methyl Chloroform	127,716 lbs/day 5,322 lbs/hour
Methyl Ethyl Ketone	51080 lbs/day 2,206 lbs/hour
Methyl Isobutyl Ketone	94,955 lbs/day 3,980 lbs/hour
Methyl Mercaptan	81 lbs/hour
Methylene Chloride	2,070,404 lbs/year 236.5 lbs/hour
Nickel, soluble compounds as nickel	53 lbs/day
Nitric Acid	87 lbs/hour
Phenol	500 lbs/hour
Styrene	963 lbs/hour
Sulfuric Acid	1,850 lbs/day 77 lbs/hour
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDB)	0.402 lb/year
Tetrachloroethylene	3,364,527 lbs/year
Toluene	107,826 lbs/day

	4,493 lbs/hour
Trichloroethylene	6,448,858 lbs/year
Trichlorofluoromethane	48,714 lbs/hour
Trichlorotrifluoroethane	82,629 lbs/hour
Xylene	102,277 lbs/day 4,493 lbs/hour

2. Pursuant to 15A NCAC 2D .1100 Control of Toxic Air Pollutants, if the Permittee determines in the future that the combined paper mill and wood products mill (Permit No. 06389R12) emit any of the following toxics, the associated limits provided below apply to the facilities. The limits are optimized, which means that the facilities would have to generate greater emissions than the maximum potential possible in order to exceed the acceptable ambient levels established in 15A NCAC 2D.1104.

Toxics Not Known to be Emitted, but Have Optimized Emission Limits Established

TOXIC NAME	OPTIMIZED LIMIT
Acrylonitrile	14,000 lbs/year
Ammonium Chromate	75 lbs/day
Ammonium Dichromate	75 lbs/day
Aniline	358 lbs/hour
Aziridine	262 lbs/day
Benzidine and salts	1 lb/year
Beryllium Chloride	382 lbs/year
Beryllium Fluoride	382 lbs/year
Beryllium Nitrate	382 lbs/year
Bis-chloromethyl Ether	34 lbs/year
Cadmium Acetate	512 lbs/year
Cadmium Bromide	512 lbs/year
Calcium Chromate	8 lbs/year
Chloroprene	18,968 lbs/day

	790 lbs/hr
Chromic Acid	27 lbs/day
P-dichlorobenzene	23,602 lbs/hour
Dichlorofluoromethane	21,569 lbs/day
Dichlorodifluoromethane	10,688,857 lbs/day
1,4 Dioxane	45,058 lbs/day
Ethyl Acetate	50,097 lbs/hour
Ethylenediamine	12,833 lbs/day 535 lbs/hour
Ethylene Oxide	2,520 lbs/year
Ethylene Glycol Monoethyl Ether	5,156 lbs/day 215 lbs/hour
Ethyl Mercaptan	36 lbs/hour
Hexachlorocyclopentadiene	26 lbs/day 1 lb/hr
Hexane Isomers	128,852 lbs/hour
Hydrogen Cyanide	6,006 lbs/day 250 lbs/hour
Hydrogen Fluoride	2,867 lbs/day 119 lbs/hour
Maleic Anhydride	519 lbs/day 22 lbs/hour
Manganese cyclopentadienyl tricarbonyl	26 lbs/day
Manganese Tetroxide	263 lbs/day
Mercury, alkyl	3 lbs/day
Mercury, aryl and inorganic compounds	26 lbs/day
Nickel Carbonyl	26 lbs/day
Nickel, metal	262 lbs/day
Nickel Subsulfide	196 lbs/year

Nitrobenzene	2,581 lbs/day 108 lbs/hour
N-nitrosodimethylamine	4,646 lbs/year
Pentachlorophenol	41 lbs/day 2 lbs/hour
Phosgene	34 lbs/day
Phosphine	47 lbs/hour
Polychlorinated Biphenyls	10,609 lbs/year
Potassium Chromate	75 lbs/day
Potassium Chromate	75 lbs/day
Potassium Dichromate	75 lbs/day
Sodium Chromate	75 lbs/day
Sodium Dichromate	75 lbs/day
Strontium Chromate	8 lbs/year
1,1,1,2-tetrachloro-2,2-difluoroethane	2,242,947 lbs/day
1,1,2,2-tetrachloro-1,2-difluoroethane	2,242,947 lbs/day
1,1,1,2-tetrachloroethane	686,700 lbs/year
Toluene diisocyanate, 2,4-and 2,6 isomers	22 lbs/day 1 lb/hour
Vinyl Chloride	37,968 lbs/year
Vinylidene Chloride	5,158 lbs/day
Zinc Chromate	8 lbs/year

3. The Permittee shall maintain records of production rates, chemical usages, monitoring activities, test results, emission factors, control efficiencies and other process operational information as necessary to determine compliance with the specified emissions limits. The Permittee shall retain all records and information as specified in this Permit for a period of two years from date of recording.

IX. SPECIFIC CONDITIONS THAT APPLY TO THE ENTIRE FACILITY

1. NOTIFICATION REQUIREMENT - As required by 15A NCAC 2D .0535 "Excess Emissions Reporting and Malfunctions", when particulate, SO₂, NO_x, visible, odorous, toxics and/or TRS (except sources that have the 12 hour averaging period) emissions exceed Environmental Management Regulations for more than four hours, the Regional Supervisor, DAQ, shall be notified as promptly as possible, but in no case later than 24 hours or on the next working day of becoming aware of the occurrence. Such notice shall specify the facility name and location, the nature and cause of the excess emission, the time when first observed, the expected duration, and the estimated rate of emissions. This reporting requirement does not allow the operation of the facility in excess of Environmental Management Commission Regulations.

2. RECORDS MAINTENANCE REQUIREMENT - The Permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in this permit for a minimum of three years (or as specified) from the date of recording.

3. 40 CFR Part 68 "ACCIDENTAL RELEASE PREVENTION REQUIREMENTS: RISK MANAGEMENT PROGRAMS UNDER THE CLEAN AIR ACT, SECTION 112(r)" - The Permittee shall comply with all applicable requirements in accordance with 40 CFR Part 68 including submitting a Risk Management Plan to EPA pursuant to 40 CFR Part 68.150 prior to June 21, 1999 or as specified in 40 CFR Part 68.10.

4. Pursuant to 2Q. 0507 "Application," the Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Title V application, shall promptly submit such supplementary facts or corrected information to:

Physical, Courier Service & Certified Mail Address	Regular Mail Address
2728 Capital Boulevard Raleigh, NC 27604	1641 Mail Service Center Raleigh, NC 27699-1641

5. As required by 15A NCAC 2D .1806 "Control and Prohibition of Odorous Emissions", the Permittee shall not cause, allow, or permit any source to be operated without employing suitable measures for the control of nuisance odors.

6. TESTING PROTOCOL - At least 45 days prior to performing any required emissions testing (except for quarterly required tests or otherwise specified), the Permittee must submit a testing protocol to the Regional Supervisor, Division of Air Quality for review and approval. All testing protocols must be approved by the DAQ prior to performing such tests.

7. 15A NCAC 2D .1111 "MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY" - For the kraft pulping system, bleaching system and pulping condensate streams, the

Permittee shall comply with all applicable provisions, including the notification, testing, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .1111 "Maximum Achievable Control Technology" as promulgated in 40 CFR 63, Subpart S, "National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry", including Subpart A "General Provisions."

- (a) As required by 40 CFR 63.443(c), equipment in the pulping system shall be enclosed and the Hazardous Air Pollutants (HAP) emissions vented into a Low Volume High Concentration (LVHC) closed-vent system and routed to a control device.
 - (i) The equipment enclosures and LVHC closed-vent system shall comply with 40 CFR 63.450 "Standards for enclosures and closed- vent systems."
 - (ii) The collected LVHC system HAP emissions shall be combusted in either the Riley boiler (through May 31, 2007), the No. 2 Hog Fuel Boiler or the lime kiln.
 - (iii) Time of excess emissions (excluding startup, shutdown or malfunction) divided by the total process operating time in a semi-annual reporting period shall not exceed 1%.

Monitoring Requirements

There is no monitoring required for using the Riley boiler (through May 31, 2007) or No. 2 Hog Fuel Boiler or lime kiln as HAP emission control devices.

Record Keeping

A site-specific inspection plan shall be prepared and maintained for each applicable enclosure opening, closed vent system and closed collection system per 40 CFR 63.454(b).

Reporting Requirements

A summary report of emission excesses shall be submitted to the DAQ Washington Regional Office on a semi-annual basis (by January 31 and July 31).

- (b) As required by 40 CFR 43.445(b), equipment in the bleaching system where chlorinated compounds are introduced shall be enclosed and the HAP emissions collected in a closed-vent system and routed to a control device.
 - (i) The bleaching system equipment enclosures and closed-vent system shall comply with 40CFR 63.450 "Standards for enclosures and closed-vent systems."
 - (ii) The bleach system HAP emissions shall be vented to a closed-vent system and ducted to the No. 6 and No. 7 bleach plant scrubbers (ID Nos. 06-3608100 and 07-36-8000).

- (iii) Total chlorinated HAP concentration emitted from the control devices shall not exceed 10 ppm by volume.

Monitoring Requirements

1. For the bleach plant scrubbers, a continuous monitoring system (CMS) shall be installed, certified, operated and maintained according to the manufacturer's specifications to measure the following parameters:
 - a. pH of recirculating scrubber reagent;
 - b. fan horsepower; and
 - c. liquid influent flow rate.
2. The CMS shall include a continuous recorder.

Testing Requirements

A compliance test for chlorine concentration must be conducted on the bleach plant scrubber vents using USEPA Method 26A. The initial test must be performed by March 31, 2002 (according to the one year extension schedule).

Record Keeping

A site-specific inspection plan shall be prepared and maintained for each applicable enclosure opening, closed vent system and closed collection system per 40 CFR 63.454(b).

- (c) As required by 40 CFR 43.446(b), foul condensate streams from the pulping system shall be collected and conveyed in a closed collection system and routed to a steam stripper. The stripper off-gas (SOG) will be ducted in a closed-vent system to the No. 2 Hog Fuel Boiler or lime kiln.
 - (i) The pulping system condensates collected in total must contain 11.1 pounds of HAP per ton of oven dried pulp produced.
 - (ii) The collected pulping system condensate must be treated to remove 10.2 pounds of HAP per ton of oven dried pulp produced or at least 92 % of total HAP by weight.
 - (iii) Time of excess emissions resulting from operation of the steam stripper system (including startup, shutdown or malfunction) divided by the total process operating time in a semi-annual reporting period shall not exceed 10 %.

Monitoring Requirements

1. For the steam stripper, a continuous monitoring system (CMS) shall be installed, certified, operated and maintained according to the

manufacturer's specifications to measure the following parameters:

- a. process wastewater feed rate;
- b. steam feed rate; and
- c. process wastewater column feed temperature.

2. The CMS shall include a continuous recorder.

Testing Requirements

An initial compliance test must be performed on the steam stripper using USEPA Method 308. The initial compliance test must be performed by March 31, 2002 (according to the one year extension schedule).

Record Keeping

A site-specific inspection plan shall be prepared and maintained for each applicable enclosure opening, closed vent system and closed collection system per 40 CFR 63.454(b).

- (d) TESTING NOTIFICATION REQUIREMENT - To afford the Regional Supervisor, Division of Air Quality the opportunity to have an observer present, the Permittee shall provide the Regional Office, in writing, at least thirty (30) days notice of any required performance test(s).
8. 15A NCAC 2D .1111 "MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY" - For chemical recovery combustion sources the Permittee shall comply with all applicable provisions, including the notification, testing, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .1111 "Maximum Achievable Control Technology" as promulgated in 40 CFR 63, Subpart MM, including Subpart A "General Provisions."
9. The facility has implemented a Basic Care Route inspection and maintenance program that has been approved by the Division for the Power, Recovery, lime kiln/causticizing and Bleach Plant AIR SOURCE AREAS. The Basic Care Routes satisfy the regular inspection and maintenance requirements for the control devices in the specific conditions of this permit. The Basic Care Routes will continue to be performed in addition to the internal inspections of control devices required in the specific conditions of this permit.
10. WORK PRACTICES REQUIREMENTS - As required by 15A NCAC 2D .0958(c) "Work Practices for Sources of Volatile Organic Compounds," the Permittee shall adhere to the following required work practices for solvents used in production:
 - a. The Permittee shall store all VOC-containing material not in use (including waste material) in containers free of cracks, holes, or other defects.
 - b. The Permittee shall clean up spills as soon as possible following proper safety

procedures.

- c. The Permittee shall store wipe rags in closed containers.
- d. The Permittee shall not clean sponges, fabric, wood, and other absorbent materials.
- e. The Permittee shall drain solvents used to clean supply lines and other coating equipment into closable containers and close containers immediately after each use.
- f. The Permittee shall clean mixing, blending, and manufacturing vats and containers by adding cleaning solvent, closing the vat or container before agitating the cleaning solvent.
- g. The Permittee shall pour spent cleaning solvent into closable containers and close containers immediately after each use.

B. GENERAL CONDITIONS AND LIMITATIONS

1. REPORTS, TEST DATA, MONITORING DATA, NOTIFICATIONS, AND REQUESTS FOR RENEWAL shall be submitted to the:

Regional Supervisor
North Carolina Division of Air Quality
Washington Regional Office
943 Washington Square Mall
Washington, NC 27889
252-946-6481

2. PERMIT RENEWAL REQUIREMENT - The Permittee, at least 90 days prior to the expiration date of this permit, shall request permit renewal by letter in accordance with 15A NCAC 2Q .0304 (d) and (f). Pursuant to 15A NCAC 2Q .0203 (i), no permit application fee is required for renewal of an existing air permit. The renewal request should be submitted to the Regional Supervisor, DAQ.
3. ANNUAL FEE PAYMENT - Pursuant to 15A NCAC 2Q .0203 (a), the Permittee shall pay the annual permit fee within 30 days of being billed by the DAQ. Failure to pay the fee in a timely manner will cause the DAQ to initiate action to revoke the permit.
4. EQUIPMENT RELOCATION - A new air permit shall be obtained by the Permittee prior to establishing, building, erecting, using, or operating the emission sources or air cleaning equipment at a site or location not specified in this permit.
5. REPORTING REQUIREMENT - Any of the following that would result in previously unpermitted, new, or increased emissions must be reported to the Regional Supervisor, DAQ:
 - a. changes in the information submitted in the application regarding facility emissions;
 - b. changes that modify equipment or processes of existing permitted facilities; or
 - c. changes in the quantity or quality of materials processed.

If appropriate, modifications to the permit may then be made by the DAQ to reflect any necessary changes in the permit conditions. In no case are any new or increased emissions allowed that will cause a violation of the emission limitations specified herein.

6. This permit is subject to revocation or modification by the DAQ upon a determination that information contained in the application or presented in the support thereof is incorrect, conditions under which this permit was granted have changed, or violations of conditions

contained in this permit have occurred. The facility shall be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution. Unless otherwise specified by this permit, no emission source may be operated without the concurrent operation of its associated air cleaning device(s) and appurtenances.

7. This permit is nontransferable by the Permittee. Future owners and operators must obtain a new air permit from the DAQ.
8. This issuance of this permit in no way absolves the Permittee of liability for any potential civil penalties which may be assessed for violations of State law which have occurred prior to the effective date of this permit.
9. This permit does not relieve the Permittee of the responsibility of complying with all applicable requirements of any Federal, State, or Local water quality or land quality control authority.
10. Reports on the operation and maintenance of the facility shall be submitted by the Permittee to the Regional Supervisor, DAQ at such intervals and in such form and detail as may be required by the DAQ. Information required in such reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and preventive maintenance schedules.
11. A violation of any term or condition of this permit shall subject the Permittee to enforcement pursuant to G.S. 143-215.114A, 143-215.114B, and 143-215.114C, including assessment of civil and/or criminal penalties.
12. Pursuant to North Carolina General Statute 143-215.3 (a) (2), no person shall refuse entry or access to any authorized representative of the DAQ who requests entry or access for purposes of inspection, and who presents appropriate credentials, nor shall any person obstruct, hamper, or interfere with any such representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
13. The Permittee must comply with any applicable Federal, State, or Local requirements governing the handling, disposal, or incineration of hazardous, solid, or medical wastes, including the Resource Conservation and Recovery Act (RCRA) administered by the Division of Waste Management.
14. PERMIT RETENTION REQUIREMENT - The Permittee shall retain a current copy of the Air Permit at the site. The Permittee must make available to personnel of the DAQ, upon request, the current copy of the Air Permit for the site.
15. COMPLIANCE WITH LOCAL ZONING - The Permittee shall abide by local zoning requirements in effect at the time of the commencement of construction of the facility.

16. CLEAN AIR ACT SECTION 112(r) REQUIREMENTS - Pursuant to 40 CFR Part 68 “Accidental Release Prevention Requirements: Risk Management Programs Under the Clean Air Act, Section 112(r)”, if the Permittee is required to develop and register a risk management plan pursuant to Section 112(r) of the Federal Clean Air Act, then the Permittee is required to register this plan in accordance with 40 CFR Part 68.

17. PREVENTION OF ACCIDENTAL RELEASES - GENERAL DUTY - Pursuant to Title I Part A Section 112(r)(1) of the Clean Air Act Hazardous Air Pollutants - Prevention of Accidental Releases - Purpose and General Duty , although a risk management plan may not be required, if the Permittee produces, processes, handles, or stores any amount of a listed hazardous substance, the Permittee has a general duty to take such steps as are necessary to prevent the accidental release of such substance and to minimize the consequences of any release. **This condition is federally-enforceable only.**

Permit issued this the 19th day of March, 2007.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

Donald R. van der Vaart, Ph.D., P.E.
Chief, Permits Section
Division of Air Quality
By Authority of the Environmental Management Commission

Air Permit No. 04291R34