

# ATTACHMENT 12

**INFORMATION REQUEST**  
**PULPING, BLEACHING, PAPERMAKING, AND WASTEWATER**

**ATMOSPHERIC EMISSIONS**

- A. Chemical pulping and recovery vent gases
1. For each chemical wood pulping line at this mill, please provide the following information:

|                                         |       |       |       |
|-----------------------------------------|-------|-------|-------|
| Line No.                                | _____ | _____ | _____ |
| Line design capacity (ADTPD brownstock) | _____ | _____ | _____ |
| Pulping Method:                         | _____ | _____ | _____ |
| Kraft                                   | _____ | _____ | _____ |
| Kraft green liquor                      | _____ | _____ | _____ |
| Sulfite                                 | _____ | _____ | _____ |
| NSSC                                    | _____ | _____ | _____ |
| Non-sulfur based semi-chemical          | _____ | _____ | _____ |
| Fiber Source:                           | _____ | _____ | _____ |
| Chips produced on-site                  | _____ | _____ | _____ |
| Chips produced off-site                 | _____ | _____ | _____ |
| Sawmill residues                        | _____ | _____ | _____ |
| Wood Species:                           | _____ | _____ | _____ |
| Hardwood only                           | _____ | _____ | _____ |
| Softwood only                           | _____ | _____ | _____ |
| Mixed hardwood/softwood                 | _____ | _____ | _____ |
| Average percentage softwood             | _____ | _____ | _____ |
| Swing line                              | _____ | _____ | _____ |
| Average Kappa Number of                 | _____ | _____ | _____ |
| pulp leaving digesters:                 | _____ | _____ | _____ |
| Hardwood                                | _____ | _____ | _____ |
| Softwood                                | _____ | _____ | _____ |

For the following digester area sources, please indicate the fate of the vent gases using the following codes:

- L - gases sent to low volume-high concentration kraft NCG collection and incineration system
- H - gases sent to high volume-low concentration kraft NCG collection and incineration system
- A - gases vented to atmosphere
- B - gases vented into a building
- S - gases routed to sulfite or NSSC acid making system
- D - gases routed directly into a combustion device
- NA - source not present on this pulping line
- N - source present, but no gases are vented

|                                  |       |       |       |
|----------------------------------|-------|-------|-------|
| Line No.                         | _____ | _____ | _____ |
| Chip bin                         | _____ | _____ | _____ |
| Chip steaming vessel             | _____ | _____ | _____ |
| Batch digester relief gases      | _____ | _____ | _____ |
| Batch digester blow gases        | _____ | _____ | _____ |
| Continuous digester relief gases | _____ | _____ | _____ |
| Continuous digester blow gases   | _____ | _____ | _____ |

Digester evacuation system \_\_\_\_\_  
Turpentine decanter vent \_\_\_\_\_  
Other digester area vents not listed above: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Is extended delignification practiced  
on this line? \_\_\_\_\_

2. For each brown/red stock washer line at this mill, please  
provide the following information:

Washer line no. \_\_\_\_\_  
Washer line capacity (ADTPD brownstock) \_\_\_\_\_  
From which pulping line(s) does the  
brown/red stock come from? \_\_\_\_\_

Please indicate the fate of the vent gases for the following  
sources, using the same codes as for the digester area:

Brown/red stock washer  
(vacuum drum) hoods \_\_\_\_\_

Brown/red stock washer  
(vacuum drum) filtrate tanks/  
foam towers vents \_\_\_\_\_

Brown/red stock washer (diffusion) hoods \_\_\_\_\_

Brown/red stock washer (diffusion)  
filtrate tanks \_\_\_\_\_

Pressure washer \_\_\_\_\_

Belt/Fourdrinier washer \_\_\_\_\_

Screens \_\_\_\_\_

Deckers \_\_\_\_\_

Deknotters \_\_\_\_\_

Thickeners \_\_\_\_\_

Weak black liquor storage tank \_\_\_\_\_

Other washer system vents not listed above: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If the washer system line has rotary  
drum vacuum washers, how many  
washing stages are there? \_\_\_\_\_