Old and New Opacity and Grain Loading Limits vs. Emission Units

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Permit No. | Permit Type | Name | Emission Unit | Current | | | | | Able to Meet? | | | Controls Needed | |
| Controls | Opacity Limit | Grain Loading Limit | Actual Opacity | Actual Grain Loading | 20% Opacity | 0.20 gr/dscf | 0.10 gr/dscf |
| 0.20 gr/dscf | 0.10 gr/dscf |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22-2525 | TV | Frank Lumber | HFB | Multiclones | 40 | 0.2 | 10-20 | 0.137 | Likely | Y | N | None | ESP |
| Cyclone | --- | 20 | 0.2 | 5-20 | ? | Likely | Likely | ? | None | BH |
| Dry Kilns | --- | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36-6142 | TV | SP Newsprint | Boiler 6 | Natural gas | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
| Boiler 7 | Natural gas | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
| Paper Machine 5 | --- | 20 | 0.2 | 0 | 0.00015 | Y | Y | Y | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22-0143 | TV | Flakeboard America | Core Dryer 1 | BH | 20 | 0.2 | 0 | ? | Y | Y | Y | None | None |
| Core Dryer 2 | BH | 20 | 0.2 | 0 | ? | Y | Y | Y | None | None |
| Press 3 | BH & RCO | 20 | 0.2 | 0 | ? | Y | Y | Y | None | None |
| Board Cooler 3 | --- | 20 | 0.2 | 0 | 0.0055 | Y | Y | Y | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22-3501 | TV | Cascade Pacific Pulp | Smelt Tank | Wet scrubber | 20 | 0.2 | 5 | 0.095 | Y | Y | Y | None | None |
| Power Boiler 1 | #6 Oil | 20 | 0.2 | 5-15 | 0.173 | Y | Y | N | None | Use NG |
| Power Boiler 2 | Natural gas | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
| Chip/sawdust Cyclones | --- | 20 | 0.2 | 0 | 0.0045 | Y | Y | Y | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21-0005 | TV | Georgia-Pacific, Toledo | Power Boiler 1 | #6 Oil | 40 | 0.2 | ? | 0.050 | Y | Y | Y | None | None |
| HFB | ESP | 40 | 0.2 | 3-4 | 0.003 | Y | Y | Y | None | None |
| Slaker Vent | Water shower | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Permit No. | Permit Type | Name | Emission Unit | Current | | | | | Able to Meet? | | | Controls Needed | |
| Controls | Opacity Limit | Grain Loading Limit | Actual Opacity | Actual Grain Loading | 20% Opacity | 0.20 gr/dscf | 0.10 gr/dscf | 0.20 gr/dscf | 0.10 gr/dscf |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10-0025 | TV | RFP Dillard | HFB 1 | Wet scrubber | 40 | 0.2 | 15 | 0.0722 | Y | Y | Y | None | None |
| PB Presses | Biofilter | 20 | 0.2 | <5 | 0.008 | Y | Y | Y | None | None |
| Old Kilns | --- | 20 | 0.2 | 0 | Negl. | Y | Y | Y | None | None |
| Veneer Dryers 2-5 | RCO | 10 | 0.2 | 0 | 0.0045 | Y | Y | Y | None | None |
| Plywood Press 1-1 | --- | 20 | 0.2 | 0-5 | ? | Y | Y | Likely | None | None |
| Plywood Press 1-2 | --- | 20 | 0.1 | 0-5 | ? | Y | Y | Likely | None | None |
| Plywood Presses 2-1,2 | --- | 20 | 0.2 | 0-5 | ? | Y | Y | Likely | None | None |
| Plywood Presses 2-3,4 | --- | 20 | 0.1 | 0-5 | ? | Y | Y | Likely | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10-0078 | TV | RFP Riddle | HFB 1 | ESP | 20 | 0.2 | <5 | 0.0054 | Y | Y | Y | None | None |
| Veneer Dryers 1-5 | RCO | 10 | 0.2 | 0 | 0.0042 | Y | Y | Y | None | None |
| Plywood Presses 3,4 | --- | 20 | 0.2 | 0-5 | ? | Y | Y | Likely | None | None |
| Plywood Presses 1,2,5 | --- | 20 | 0.1 | 0-5 | ? | Y | Y | Likely | None | None |
| Material Handling 1 | Cyclones | 20 | 0.2 | 0-10 | ? | Y | Y | Likely | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 06-0010 | TV | RFP Coquille | HFB | ESP | 20 | 0.2 | <5 | 0.0013 | Y | Y | Y | None | None |
| Veneer Dryers 1-3 | RCO | 10 | 0.2 | 0 | 0.0068 | Y | Y | Y | None | None |
| Plywood Presses 1,2 | --- | 20 | 0.1 | 0-15 | ? | Y | Y | Likely | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Permit No. | Permit Type | Name | Emission Unit | Current | | | | | Able to Meet? | | | Controls Needed | |
| Controls | Opacity Limit | Grain Loading Limit | Actual Opacity | Actual Grain Loading | 20% Opacity | 0.20 gr/dscf | 0.10 gr/dscf | 0.20 gr/dscf | 0.10 gr/dscf |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22-1034 | TV | Bear Mountain | Particle Dryer 1 | Wet ESP | 20 | 0.1 | 10-20 | 0.091 | ? | Y |  | None |  |
| Particle Dryer 2 | Wet ESP | 20 | 0.1 | 10-20 |  | ? | Y |  | None |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22-3010 | TV | Weyco-Foster | Plywood Presses 1,2,3 | --- | 20 | 0.2 | 0 | ? | Y | Y | Likely | None | None |
| Material Handling 2 | Cyclone | 20 | 0.2 | 0 | ? | Y | Y | Likely | None | None |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

SUMMARY

40% opacity limit

4 emission units

3 emission units capable of meeting 20% opacity

1 emission unit on borderline of 20% opacity

20% opacity limit

30 emission units

3 emission units on borderline compliance

0.2 gr/dscf limit

31 emission units

all emission units capable of meeting 0.20 gr/dscf

3 emission units not capable of meeting 0.10 gr/dscf

* 1. gr/dscf limit

6 emission units

4 emission units capable of meeting 0.10 gr/dscf

2 emission units not capable of meeting 0.10 gr/dscf