

1 BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY

2 OF THE STATE OF OREGON

3 )  
4 IN THE MATTER OF ) STIPULATED AGREEMENT AND  
Georgia-Pacific Consumer Operations LLC) FINAL ORDER  
5 Wauna Mill, )  
6 Permittee. ) ORDER NO. 04-0004

7 Permittee, Georgia-Pacific Consumer Operations LLC, and the Department of  
8 Environmental Quality (DEQ) hereby agree that:

9 WHEREAS:

10 1. Permittee operates a pulp and paper mill located at 92326 Taylorville Road in  
11 Clatskanie, Oregon (the Facility).

12 2. On January 2, 1996, DEQ issued Title V Operating Permit No. 04-0004-TV-01 (the  
13 Permit) to Permittee.

14 3. On June 18, 2009, DEQ renewed the Permit, and on December 2, 2010, DEQ issued  
15 the current permit.

16 4. The Permit authorizes Permittee to discharge air contaminants associated with its  
17 operation of the Facility in conformance with the requirements, limitations, and conditions set forth  
18 in the Permit.

19 5. As of December 31, 2017, the Permit had the following plant site emissions limit  
20 (PSEL) for sulfur dioxide (SO<sub>2</sub>), particulate matter of ten microns or less (PM<sub>10</sub>), and nitrogen  
21 oxides (NO<sub>x</sub>), which constitute round II regional haze pollutants, *see* OAR 340-223-0020(2): 913  
22 tons per year for SO<sub>2</sub>, 1,077 tons per year for PM<sub>10</sub>, and 2,139 tons per year for NO<sub>x</sub>.

23 6. The Facility is located 131.17 kilometers from Mount Rainer National Park, which  
24 is the nearest Class I Area, *see* OAR 340-200-0020 (25), measured in a straight line from the  
25 Facility to the Class I Area.

26 7. Based on the definitions and the formula in OAR 340-223-0100(2), the Facility's Q  
27 value is 4129; d value is 131.17, and ratio of Q divided by d is 31.48.

8. Because the Facility has a Title V operating permit and because the Facility has a Q/d value of greater than 5.00, the Facility is subject to the requirements of round II of regional haze. *See* OAR 340-223-0100(1).

9. In accordance with OAR 340-223-0110(1), the Facility submitted a four factor analysis demonstrating that many identified emission unit/control combinations are not cost effective. Rather than agreeing to install all emission unit/control combinations determined to be cost effective by DEQ, the Facility would like to enter into a Stipulated Agreement with DEQ for alternative compliance with round II of regional haze and would like to accept a federally enforceable requirement to install controls and associated monitoring equipment, and to accept emission limitations to reduce round II regional haze pollutants from the Facility which DEQ shall incorporate into a Final Order. *See* OAR 340-223-0110(2).

## I. AGREEMENT

1. DEQ issues this Stipulated Agreement and Final Order (SAFO) pursuant to OAR 340-223-0110(2), and it shall be effective upon the date fully executed.

2. The Facility is subject to round II of regional haze, according to OAR 340-223-0100(1).

3. The Permittee agrees to and will ensure compliance with the PSEL reductions, emission limits, controls, monitoring requirements, schedules, and conditions in Section II of this SAFO.

4. The reductions in PSELs required by this SAFO shall not be banked, credited, or otherwise accessed by Permittee for use in future permitting actions.

5. PSELs for this Facility shall not be increased above those established in this SAFO except as approved in accordance with applicable state and federal permitting regulations.

6. The Permittee shall calculate compliance with the PSELs in Section II of this SAFO according to the requirements of the Permit.

7. DEQ shall incorporate this SAFO and the conditions in Section II below into the Permit pursuant to OAR 340-218-0200(1)(a)(A) or upon permit renewal, whichever is sooner.

1           8.       DEQ may submit this SAFO to the Environmental Protection Agency (EPA) as part  
2 of the State Implementation Plan.

3           9.       Permittee waives any and all rights and objections Permittee may have to the form,  
4 content, manner of service, and timeliness of this SAFO and to a contested case hearing and judicial  
5 review of the SAFO.

6           10.      In the event EPA does not accept DEQ's Round II Regional Haze State  
7 Implementation Plan (SIP) in any manner that impacts the final order, implementation of the Final  
8 Order shall be stayed until DEQ and the Permittee modify the Final Order in such a manner as to  
9 ensure compliance with the Round II Regional Haze SIP. In the event that EPA has disapproved  
10 DEQ's Round II Regional Haze SIP and promulgates a Round II Regional Haze federal  
11 implementation plan, this agreement will be void.

12          11.      This SAFO shall be binding on Permittee and its respective successors, agents, and  
13 assigns. The undersigned representative of Permittee certifies that he, she, or they are fully  
14 authorized to execute and bind Permittee to this SAFO. No change in ownership, corporate or  
15 partnership status of Permittee, or change in the ownership of the properties or businesses affected  
16 by this SAFO shall in any way alter Permittee's obligation under this SAFO, unless otherwise  
17 approved in writing by DEQ through an amendment to this SAFO.

18          12.      If any unforeseeable event occurs that is beyond Permittee's reasonable control and  
19 that causes or may cause a delay or deviation in performance of the requirements of this SAFO,  
20 Permittee must immediately notify DEQ verbally of the cause of delay or deviation and its  
21 anticipated duration, the measures that Permittee has or will take to prevent or minimize the delay or  
22 deviation, and the timetable by which Permittee proposes to carry out such measures. Permittee  
23 shall confirm in writing this information within five working days of the onset of the event. It is  
24 Permittee's responsibility in the written notification to demonstrate to DEQ's satisfaction that the  
25 delay or deviation has been or will be caused by circumstances beyond the control, unforeseen, and  
26 despite due diligence of Permittee. If Permittee so demonstrates, DEQ may extend times of  
27 performance of related activities under this SAFO as appropriate. Circumstances or events beyond

1 Permittee's control include, but are not limited to, extreme and unforeseen acts of nature, unforeseen  
2 strikes, work stoppages, fires, explosion, riot, sabotage, unforeseen delays in issuance of any  
3 required permits by DEQ that are beyond the Permittee's control, or war. Increased cost of  
4 performance or a consultant's failure to provide timely reports are not considered circumstances  
5 beyond Permittee's control.

6 13. Facsimile or scanned signatures on this SAFO shall be treated the same as original  
7 signatures.

8 14. The obligations and requirements in this SAFO may be revised at Permittee's  
9 request, e.g., to authorize different but equivalent emission reductions or controls, if DEQ approves  
10 such proposed revisions in writing through an amendment to this SAFO.

## 11 II. FINAL ORDER

12 DEQ hereby enters a final order requiring Permittee to comply with the following schedule  
13 and conditions:

14 1. Permittee shall comply with the PSELs according to the following schedule :

15 a. On August 1, 2022, Permittee's PSELs shall incorporate the changes listed in

16 II.3. and, for the following pollutants, are:

17 i. For PM10, the PSEL shall be 1,077 tons;

18 ii. For NOx, the PSEL shall be 2,019 tons; and

19 iii. For SO2, the PSEL shall be 913 tons.

20 b. On December 31, 2024, the Permittee's PSELs shall incorporate the changes

21 listed in II.2 and II.3. and, for the following pollutants, are:

22 i. For PM10, the PSEL shall be 1,077 tons;

23 ii. For NOx, the PSEL shall be 1,999 tons; and

24 iii. For SO2, the PSEL shall be 913 tons.

25 c. On July 31, 2026, the Permittee's PSELs shall incorporate the changes listed in

26 II.2., II.3., and II.4. and, for the following pollutants, are:

27 i. For PM10, the PSEL shall be 1,077 tons;

- 1                   ii. For NO<sub>x</sub>, the PSEL shall be 1,413 tons; and
- 2                   iii. For SO<sub>2</sub>, the PSEL shall be 913 tons.
- 3       2. For Paper Machine 5: Yankee Burner:
- 4           a. By December 31, 2024, Permittee shall replace the existing Yankee burner with
- 5           a low NO<sub>x</sub> burner to achieve an emissions rate no greater than 0.03 lb/MMBtu
- 6           and shall use this emission rate for calculating compliance with PSELs.
- 7           b. Permittee shall demonstrate compliance with the PSEL through performance
- 8           testing following EPA Test Method 7E (see 40 CFR Part 60, Appendix A-4), or
- 9           an alternate test method approved by DEQ, and shall comply with DEQ Source
- 10          Sampling Manual, Rev. 2018.
- 11          c. Permittee shall demonstrate compliance through performance testing within one
- 12          calendar year after the project is fully executed.
- 13       3. For Paper Machine 6: TAD1 Burner and TAD2 Burner, Paper Machine 7: TAD1
- 14          Burner and TAD 2 Burner:
- 15           a. Permittee shall have a NO<sub>x</sub> emissions rate no greater than 0.06 lb/MMBtu for
- 16           each emissions point and shall use this emission rate for calculating compliance
- 17           with PSELs.
- 18           b. Permittee shall demonstrate compliance with PSEL through performance testing
- 19           following EPA Test Method 7E (see 40 CFR Part 60, Appendix A-4), or an
- 20           alternate test method approved by DEQ, and shall comply with DEQ Source
- 21           Sampling Manual, Rev. 2018.
- 22           c. Permittee shall demonstrate compliance through performance testing within one
- 23           calendar year after this agreement is fully executed.
- 24       4. For the Power Boiler – 33:
- 25           a. By December 31, 2022, Permittee shall meet with DEQ to discuss the technical
- 26           details of the low NO<sub>x</sub> burner, flue gas recirculation, and continuous emissions
- 27           monitoring system (CEMS) installation project to determine what permitting

1 Permittee shall need prior to construction. Permittee and DEQ shall agree to a  
2 timeline for permitting of construction project in the meeting, including required  
3 deadlines for submittal of a complete approvable permit application.

4 b. As expeditiously as practicable, but not later than July 31, 2026, Permittee shall  
5 install low NOx burners and flue gas recirculation in order to achieve an  
6 emissions rate no greater than 0.09 lb/MMBtu on a seven day rolling basis. If  
7 the project results in the Power Boiler - 33 becoming an affected facility under  
8 40 CFR 60.40b, demonstration of compliance shall be on a 30-day rolling basis  
9 rather than a seven-day rolling basis in accordance with 40 CFR 60.44b(i).

10 c. Within one year of completing the Power Boiler project in Section II.4.b, but no  
11 later than July 31, 2026, Permittee shall install a CEMS to measure the  
12 emissions of NOx from Power Boiler - 33. Permittee shall install the CEMS  
13 according to the installation, quality control, and quality assurance requirements  
14 detailed in the following:

15 i. Permittee shall demonstrate proper installation of the CEMS following  
16 EPA Procedure 1 (see 40 CFR 60, Appendix F, Procedure 1),,  
17 Performance Specification 2 (see 40 CFR 60, Appendix B, Performance  
18 Specification 2), and DEQ Source Sampling Manual, Rev. 2018.


19 ii. Permittee shall submit data collected during testing identified in Section  
20 II.4.c.i of this Final Order to DEQ for review and to determine if the  
21 CEMS was installed correctly and meets the identified quality assurance  
22 criteria.

23 d. Upon DEQ's approval of the CEMS certification, Permittee shall use data  
24 collected from the CEMS to demonstrate compliance with the applicable NOx  
25 PSEL listed in Section II, paragraph 1 above.  
26  
27

- 1 e. Permittee shall collect and record all data from the NOx CEMS and make that  
2 data available to DEQ upon request.  
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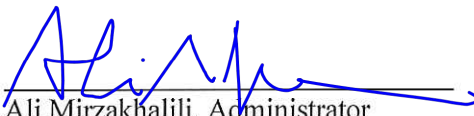
5 Georgia-Pacific Consumer Operations LLC (PERMITTEE)  
6

7  
8 8/9/21  
9 Date

Signature   
Name (print) Jeremy Ness  
Title (print) VP Mill Manager

11  
12 DEPARTMENT OF ENVIRONMENTAL QUALITY and  
13 ENVIRONMENTAL QUALITY COMMISSION  
14

15 8/9/2021  
16 Date

  
Ali Mirzakhali, Administrator  
Air Quality Division  
on behalf of DEQ pursuant to OAR 340-223-0110(2)