

BEFORE THE DEPARTMENT OF ENVIRONMENTAL QUALITY
OF THE STATE OF OREGON

IN THE MATTER OF) AMENDED STIPULATED AGREEMENT
Georgia-Pacific Consumer Operations LLC) AND FINAL ORDER
Wauna Mill,) ORDER NO. 04-0004
Permittee.) AMENDMENT NO. 04-0004-A1

The Department of Environmental Quality (DEQ) and Georgia-Pacific Consumer Operations LLC (Permittee) have agreed to amend the Settlement Agreement and Final Order No. 04-0004 (original SAFO), executed on August 9, 2021, through this Amended Stipulated Agreement and Final Order Number 01-0038-A1 (amended SAFO).

Language in the original SAFO that is unchanged is written in normal font. Language that is added to the original SAFO is written in underlined text. Language that is deleted from the original SAFO is written in strikethrough text.

DEQ and Permittee, through their signatures below, agree that the original SAFO is replaced in its entirety with the following amended SAFO:

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

WHEREAS:

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

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

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

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

5. As of December 31, 2017, the Permit had the following plant site emissions limit (PSEL) for sulfur dioxide (SO₂), particulate matter of ten microns or less (PM10), and nitrogen oxides (NO_x), which constitute round II regional haze pollutants, *see* OAR 340-223-0020(2): 913 tons per year for SO₂, 1,077 tons per year for PM10, and 2,139 tons per year for NO_x.

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

7. Based on the definitions and the formula in OAR 340-223-0100(2), the Facility's Q 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).

10. DEQ and Permittee hereby agree to amend the original SAFO.

I. AGREEMENT

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

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

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

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

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

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

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

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

18 9. Permittee waives any and all rights and objections Permittee may have to the form,
19 content, manner of service, and timeliness of this the original SAFO and this amended SAFO and to
20 a contested case hearing and judicial review of the original SAFO and this amended SAFO.

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

27 11. This amended SAFO shall be binding on Permittee and its respective successors,

agents, and assigns. The undersigned representative of Permittee certifies that he, she, or they are fully authorized to execute and bind Permittee to this amended SAFO. No change in ownership, corporate or partnership status of Permittee, or change in the ownership of the properties or businesses affected by this amended SAFO shall in any way alter Permittee's obligation under this amended SAFO, unless otherwise approved in writing by DEQ through an amendment to this amended SAFO.

12. If any unforeseeable event occurs that is beyond Permittee's reasonable control and that causes or may cause a delay or deviation in performance of the requirements of this amended SAFO, Permittee must immediately notify DEQ verbally of the cause of delay or deviation and its anticipated duration, the measures that Permittee has or will take to prevent or minimize the delay or deviation, and the timetable by which Permittee proposes to carry out such measures. Permittee shall confirm in writing this information within five working days of the onset of the event. It is Permittee's responsibility in the written notification to demonstrate to DEQ's satisfaction that the delay or deviation has been or will be caused by circumstances beyond the control, unforeseen, and despite due diligence of Permittee. If Permittee so demonstrates, DEQ may extend times of performance of related activities under this amended SAFO as appropriate. Circumstances or events beyond Permittee's control include, but are not limited to, extreme and unforeseen acts of nature, unforeseen strikes, work stoppages, fires, explosion, riot, sabotage, unforeseen delays in issuance of any required permits by DEQ that are beyond the Permittee's control, or war. Increased cost of performance or a consultant's failure to provide timely reports are not considered circumstances beyond Permittee's control.

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

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

II. FINAL ORDER

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

- 3 1. Permittee shall comply with the PSELs according to the following schedule :
 - 4 a. On August 1, 2022, Permittee's PSELs shall incorporate the changes listed in
5 II.3. and, for the following pollutants, are:
 - 6 i. For PM10, the PSEL shall be 1,077 tons;
 - 7 ii. For NOx, the PSEL shall be 2,019 tons; and
 - 8 iii. For SO2, the PSEL shall be 913 tons.
 - 9 b. On December 31, 2024, the Permittee's PSELs shall incorporate the changes
10 listed in II.2 and II.3. and, for the following pollutants, are:
 - 11 i. For PM10, the PSEL shall be 1,077 tons;
 - 12 ii. For NOx, the PSEL shall be 1,999 tons; and
 - 13 iii. For SO2, the PSEL shall be 913 tons.
 - 14 c. On July 31, 2026, the Permittee's PSELs shall incorporate the changes listed in
15 II.2., II.3., and II.4. and, for the following pollutants, are:
 - 16 i. For PM10, the PSEL shall be 1,077 tons;
 - 17 ii. For NOx, the PSEL shall be ~~1,413~~ 1,424 tons; and
 - 18 iii. For SO2, the PSEL shall be 913 tons.
- 19 2. For Paper Machine 5: Yankee Burner:
 - 20 a. By December 31, 2024, Permittee shall replace the existing Yankee burner with
21 a low NOx burner to achieve an emissions rate no greater than 0.03 lb/MMBtu
22 and shall use this emission rate for calculating compliance with PSELs.
 - 23 b. Permittee shall demonstrate compliance with the PSEL through performance
24 testing following EPA Test Method 7E (see 40 CFR Part 60, Appendix A-4), or
25 an alternate test method approved by DEQ, and shall comply with DEQ Source
26 Sampling Manual, Rev. 2018.

- c. Permittee shall demonstrate compliance through performance testing within one calendar year after the project is fully executed.

3. For Paper Machine 6: TAD1 Burner and TAD2 Burner, Paper Machine 7: TAD1 Burner and TAD 2 Burner:

- a. Permittee shall have a NOx emissions rate no greater than 0.06 lb/MMBtu for each emissions point and shall use this emission rate for calculating compliance with PSELs.
- b. Permittee shall demonstrate compliance with PSEL through performance testing following EPA Test Method 7E (see 40 CFR Part 60, Appendix A-4), or an alternate test method approved by DEQ, and shall comply with DEQ Source Sampling Manual, Rev. 2018.
- c. Permittee shall demonstrate compliance through performance testing within one calendar year after this agreement is fully executed.

4. For the Power Boiler – 33:

- a. By December 31, 2022, Permittee shall meet with DEQ to discuss the technical details of the low NOx burner, flue gas recirculation, and continuous emissions monitoring system (CEMS) installation project to determine what permitting Permittee shall need prior to construction. Permittee and DEQ shall agree to a timeline for permitting of construction project in the meeting, including required deadlines for submittal of a complete approvable permit application.
- b. As expeditiously as practicable, but not later than July 31, 2026, Permittee shall install low NOx burners and flue gas recirculation in order to achieve an emissions rate no greater than 0.09 lb/MMBtu on a seven day rolling basis. If the project results in the Power Boiler - 33 becoming an affected facility under 40 CFR 60.40b, demonstration of compliance shall be on a 30-day rolling basis rather than a seven-day rolling basis in accordance with 40 CFR 60.44b(i).

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

- i. Permittee shall demonstrate proper installation of the CEMS following EPA Procedure 1 (see 40 CFR 60, Appendix F, Procedure 1,), Performance Specification 2 (see 40 CFR 60, Appendix B, Performance Specification 2), and ~~DEQ Source Sampling Manual, Rev. 2018~~ DEQ Continuous Monitoring Manual, Rev. 2015.
- ii. Permittee shall submit data collected during testing identified in Section II.4.c.i of this Final Order to DEQ for review and to determine if the CEMS was installed correctly and meets the identified quality assurance criteria.

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

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2 e. Permittee shall collect and record all data from the NOx CEMS and make that
3 data available to DEQ upon request.
4

5 Georgia-Pacific Consumer Operations LLC (PERMITTEE)
6

7 11/18/2022
8 Date

9 Signature 
10 Name (print) Ryan Webb

11 Title (print) Vice President - Manufacturing

12
13 DEPARTMENT OF ENVIRONMENTAL QUALITY and
14 ENVIRONMENTAL QUALITY COMMISSION
15

16 12/5/2022
17 Date

18 Signature 
19 Name (print) Ali Mirzakhilili, Administrator
20 Air Quality Division
21 on behalf of DEQ pursuant to OAR 340-223-0110(2)
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