



Final December 2010

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000

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July 7, 2010

Mr. Frank Busch
Weyerhaeuser Corporation
3401 Industrial Way
Longview, WA 98632

Dear Mr. Busch:

Regional Haze Best Available Retrofit Technology (BART) Determination

Best Available Retrofit Technology (BART) is required to reduce the regional haze impacts of emissions of your facility. The enclosed Order #7840 contains our BART determination for your facility.

If you have questions or requests relating to this order, please contact Alan Newman at (360) 407-6810 or alan.newman@ecy.wa.gov.

Sincerely,

Jeff Johnston, Ph.D.
Manager, Science and Engineering Section
Air Quality Program

jj/te

Enclosure

By certified mail

cc: Greg Bean, Weyerhaeuser Corporation
Marc Crooks, Industrial Section
Alan Newman, Ecology
Brian Wood, Weyerhaeuser Corporation



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

IN THE MATTER OF AN
ADMINISTRATIVE ORDER AGAINST:

Weyerhaeuser Corporation

ORDER NO. 7840

TO: Mr. Frank Busch
Weyerhaeuser Corporation
3401 Industrial Way
Longview, WA 98632

This is an Administrative Order requiring your company to comply with WAC 173-400-151 by taking the actions that are described below. Chapter 70.94 RCW authorizes the Washington State Department of Ecology's Air Quality Program (Ecology) to issue Administrative Orders to require compliance with the requirements of Chapter 70.94 RCW and regulations issued to implement it.

Ecology has determined that portions of your facility are subject to the provisions of the federal and state visibility protection program (WAC 173-400-151 and 40 CFR Part 51, Subpart P). The rules require that the State determine what technologies and level of emission control constitutes Best Available Retrofit Technology (BART) for the eligible emission units at your facility.

FINDINGS

- A. The Weyerhaeuser Corporation (Weyerhaeuser) operates an integrated pulp and paper mill located in Longview, Washington, which contains three emission units that are subject to BART.
- B. The BART-eligible emission units are the No. 10 Recovery Furnace, the No. 10 Smelt Dissolver Tank, and the No. 11 Power Boiler.
- C. Emissions from BART units are controlled by:
 - a. Use of an electrostatic precipitator (ESP) to control PM/PM₁₀ emissions from the non-direct contact evaporator (NDCE) Recovery Furnace.
 - b. Use of a tertiary air system for black liquor combustion in the No. 10 Recovery Furnace to control SO₂ and NO_x emissions.
 - c. Use of a high efficiency wet scrubber to control PM/PM₁₀ and SO₂ emissions from the No. 10 Smelt Dissolver Tank.
 - d. Use of an ESP for control of PM/PM₁₀ emissions from the No. 11 Power Boiler.

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- e. Use of a dry trona injection system to control SO₂ from the No. 11 Power Boiler.
- D. Ecology has determined that the emission controls currently installed on these units meet the requirements of BART.
- E. Ecology has determined that Weyerhaeuser has met the requirements of Administrative Order No. #5074, which required submittal of a BART Technical Analysis for the BART-eligible units at Weyerhaeuser's Longview facility.

Additional information and analysis is available in the BART Determination Support Document for Weyerhaeuser Corporation, Longview, Washington, prepared by the Washington State Department of Ecology, October 2008, and the Best Available Retrofit Technology Analysis Report, Weyerhaeuser Corporation Longview, Washington, December 2007, prepared by CH2M-Hill and revised June 2008.

YOU ARE ORDERED: To operate existing emission control equipment for the No. 11 Power Boiler, No. 10 Recovery Furnace, and No. 10 Smelt Dissolver Tank in accordance with the following conditions:

1. BART Emission Limitations

1.1. No. 11 Power Boiler

- 1.1.1. Meet the emission limitations for particulate matter found in Order DE 94AQ-1080, issued December 9, 1994.
- 1.1.2. Meet the emission limitations for nitrogen oxides found in 40 CFR 60.44(b), as published July 1, 2008.
- 1.1.3. Meet the emission limitations for sulfur dioxide found in 40 CFR 60.43(b), as published July 1, 2008.

1.2. No. 10 Recovery Furnace

- 1.2.1. Meet the emission limitations for particulate matter found in PSD 92-03, Amendment 4, Condition 3, issued December 7, 1999.
- 1.2.2. Meet the emission limitations for nitrogen oxides found in PSD 92-03, Amendment 4, Condition 7, issued December 7, 1999.
- 1.2.3. Meet the emission limitations for sulfur dioxide found in PSD 92-03, Amendment 4, Condition 5, issued December 7, 1999.

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1.3. No. 10 Smelt Dissolver Tank

1.3.1. Meet the emission limitations for particulate matter found in PSD 92-03, Amendment 4, Condition 14, issued December 7, 1999.

1.4. Compliance will be determined as specified in Order DE 94AQ-I080, issued December 9, 1994, and PSD 92-03, Amendment 4, issued December 7, 1999, or 40 CFR 60.45(b)(2) or 40 CFR 60.45(b)(3), as published July 1, 2008, as appropriate.

2. Schedule for Compliance

2.1. Compliance with the emission limitations for particulate matter, nitrogen oxides, and sulfur dioxide is required upon the effective date of this Order.

3. Monitoring and Recordkeeping Requirements

3.1. Monitoring and recordkeeping requirements for particulate matter, nitrogen oxides, and sulfur dioxide are contained in Order No. DE 94AQ-I080, issued December 9, 1994, and PSD 92-03, Amendment 4, issued December 7, 1999.

4. Reporting Requirements

4.1. Reporting requirements for particulate matter, nitrogen oxides, and sulfur dioxide are contained in Order No. DE 94AQ-I080, issued December 9, 1994, and PSD 92-03, Amendment 4, issued December 7, 1999.

Failure to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

You have a right to appeal this Order. To appeal you must:

- File your appeal with the Pollution Control Hearing Board within 30 days of the "date of receipt" of this document. Filing means actual receipt by the Board during regular office hours.
- Serve your appeal on the Department of Ecology within 30 days of the "date of receipt" of this document. Service may be accomplished by any of the procedures identified in WAC 371-08-305(10). "Date of receipt" is defined at RCW 43.21B.001(2).

If you appeal, you must:

- Include a copy of this document with your Notice of Appeal.
- Serve and file your appeal in paper form; electronic copies are not accepted.

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To file your appeal with the Pollution Control Hearing Board:

Mail appeal to:

The Pollution Control Hearings Board
P.O. Box 40903
Olympia, WA 98504-0903

Deliver your appeal in person to:

OR The Pollution Control Hearings Board
4224-6th Avenue SE Rowe Six, Bldg 2
Lacey, WA 98503

To serve your appeal on the Department of Ecology:

Mail appeal to:

Department of Ecology
Appeals Coordinator
P.O. Box 47608
Olympia, WA 98504-7608

Deliver your appeal in person to:

OR Department of Ecology
Appeals Coordinator
300 Desmond Drive SE
Lacey, WA 98503

And send a copy of your appeal packet to:

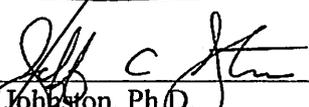
Alan Newman
Department of Ecology
Air Quality Program
P.O. Box 47600
Olympia, WA 98504-7600

For additional information, go to the Environmental Hearings Office website at <http://www.eho.wa.gov>.

To find laws and agency rules, go to the Washington State Legislator website at <http://www1.leg.wa.gov/CodeReviser>.

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320. These procedures are consistent with Chapter 43.21B RCW.

DATED this 7 day of July, 2010 at Olympia, Washington.



Jeff Johnston, Ph.D.
Manager, Science and Engineering Section
Department of Ecology
Air Quality Program