



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
AIR AND RADIATION

May 29, 2013

Paul Butkus  
Boise White Paper, LLC  
31831 West Highway 12  
Wallula, WA 99363

Re: April 24, 2013 submission in support of an exemption from 40 CFR Part 98, Subpart RR as a research and development project for Boise White Paper LLC (Wallula Basalt Carbon Dioxide Pilot Study)

Dear Mr. Butkus,

The United States Environmental Protection Agency (EPA) has reviewed the April 24, 2013 submission by Boise White Paper LLC in support of an exemption for the Wallula Basalt Carbon Dioxide Pilot Study in Wallula, Washington from 40 CFR Part 98, Subpart RR as a research and development project. EPA approves the exemption of the Wallula Basalt Carbon Dioxide Pilot Study from 40 CFR Part 98, Subpart RR, as discussed below.<sup>1</sup>

EPA has determined that the project meets the definition of “research and development project” at 40 CFR 98.449. In making its determination, EPA considered the submitted information, including the purpose of the project, the planned duration of the project, and the planned amount of CO<sub>2</sub> to be injected. EPA concluded that the duration of the project (June 1 to December 31, 2013), and estimated injection volume (1000 metric tons) is consistent with the research purpose of the project which is to test the effectiveness of deep basalt formations to permanently sequester carbon dioxide.

Therefore EPA approves the exemption of the project at the Boise White Paper LLC Wallula Basalt Carbon Dioxide Pilot Study from 40 CFR Part 98, Subpart RR. The project is exempted from 40 CFR Part 98, Subpart RR until December 31, 2013, which is the end date of the R&D project that is stated in the submission request.

EPA’s determination relies on the accuracy and completeness of the information provided in your April 24, 2013 submission. If any of the information provided by Boise White Paper LLC in the April 24, 2013 submission significantly changes, you must re-submit a request for a research and development project exemption from 40 CFR Part 98, Subpart RR for this project.

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<sup>1</sup> This R&D project was previously approved for exemption from Subpart RR (see [http://www.epa.gov/ghgreporting/documents/pdf/2011/documents/boise\\_decision\\_letter.pdf](http://www.epa.gov/ghgreporting/documents/pdf/2011/documents/boise_decision_letter.pdf)) but injection activities were postponed.

This decision is appealable under 40 CFR Part 78.

If you have any questions regarding this determination, please write to [gsreporting@epa.gov](mailto:gsreporting@epa.gov) and a member of the Greenhouse Gas Reporting Program will respond.

Sincerely,

A handwritten signature in blue ink, consisting of a stylized, cursive 'A' followed by a long horizontal stroke extending to the right.

Anhar Karimjee, Chief  
Greenhouse Gas Reporting Branch

Attachment: 1 – April 24 2013 Boise White Paper LLC Wallula Basalt Carbon Dioxide Pilot Study Research and Development Exemption Request

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### Facility Information

**Facility Name** BOISE WHITE PAPER LLC  
**Address** 31831 WEST HIGHWAY 12  
 WALLULA WA 99363

**Owners and Operators** Boise Inc  
**Designated Representative** Patrick Moore Mr.  
**Alternate Designated Representative**

### Submission Information

**Submitted By (Date)** Paul Butkus (April 24, 2013 - 14:46 PM)  
**Certified By (Date)** Paul Butkus (April 24, 2013 - 14:47 PM)

### Request Details

**Name of Project** BOISE WHITE PAPER LLC  
**CO2 Injection (for R&D) Start Date** June 1, 2013  
**CO2 Injection (for R&D) End Date** December 31, 2013  
**Class of Underground Injection Control permit** Class V  
**Underground Injection Control permit Start Date** March 28, 2011  
**Underground Injection Control permit End Date** March 28, 2016  
**Source and type of funding** This is a federal government funded project through the Office of Fossil Energy at DOE's National Energy Technology Laboratory.  
**Research Purpose - Include Planned Annual CO2 Injection Volumes** The purpose of the Wallula Basalt Carbon Dioxide Pilot Study is to conduct a field test to determine the effectiveness of deep basalt formations to permanently store CO2. This sequestration study is the Phase II pilot for the Big Sky Regional Carbon Sequestration Partnership Project and is supported and funded by the Office of Fossil Energy at DOE. The total CO2 injection for the project will be 1,000 metric tons.

This exemption request is a follow up to the exemption request that was approved in August 2011 for the Wallula Basalt Carbon Dioxide Pilot Study. At the time of the request for the exemption, it was anticipated that the CO2 injection would be completed by March 31, 2012, which is the end date stated within the original exemption approval letter. Due to project budgetary constraints by the U.S. Department of Energy, which is largely funding the field R&D project, the CO2 injection was delayed. The budget is now available and plans are being finalized to inject the CO2 in the timeframe of June 2013 to December 2013, depending on the availability of the CO2 supplied to the project. Following injection, the project will extend for up to another one-and-a-half years for the post-injection monitoring phase. With the exception of the timeline, nothing else has changed concerning the project details as presented when the original R&D exemption was requested.

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