

Public Notice
Ohio Environmental Protection Agency
Draft State Implementation Plan
Source-Specific VOC Reasonably Available Control Technology (RACT)
for Alterra Energy LLC (Facility ID 1677011258)

Summit County

Notice is hereby given that the Director of the Ohio Environmental Protection Agency, (Ohio EPA) is submitting to the United States Environmental Protection Agency (U.S. EPA) Reasonably Available Control Technology (RACT) for Alterra Energy LLC (Facility ID 1677011258) for approval into Ohio's state implementation plan (SIP) for the 2015 ozone National Ambient Air Quality Standard (NAAQS).

On March 17, 2025, Ohio submitted a revision to Ohio's SIP to address RACT requirements for the 2015 8-hour ozone NAAQS. As noted in this submittal, OAC rule 3745-21-11(B) requires facilities that have the potential to emit of fifty tons per year or more, but less than one hundred tons per year of volatile organic compounds (VOC) and are located in nonattainment counties to submit a RACT study for sources not controlled by Ohio's CTG regulations in OAC Chapter 3745-21 or by categorical non-CTG RACT in OAC rules 3745-21-12, 3745-21-14, 3745-21-16, 3745-21-21 and 3745-21-25.

Ohio is now submitting source-specific VOC RACT for Alterra Energy LLC (Facility ID 1677011258) for approval into Ohio's SIP. This facility is located in the Cleveland 2015 ozone maintenance area and has no prior existing source-specific RACT established in OAC rule 3745-21-09.

The RACT Study was submitted per OAC rule 3745-21-11(B). Ohio has determined that the RACT study is sufficient to justify employment of an enclosed vapor combustion unit with a control efficiency of not less than 98%, by weight, for VOC, proposed by the facility to act as RACT under the 2015 ozone standard.

Ohio EPA is now requesting approval of the proposed RACT for Alterra Energy LLC into Ohio's SIP.

Ohio EPA is seeking public comment to satisfy U.S. EPA requirements for public involvement in SIP related activities in accordance with 40 CFR 51.102.

The public comment period will run until September 18, 2026. Written comments should be submitted at: <https://ohioepa.commentinput.com> - Search by entering the Facility Name (Alterra) in the "Search Projects" search box.

A public hearing on this action may be requested by contacting Kathryn Jobe at 614-728-0671 or kathryn.jobe@epa.ohio.gov no later than 30 days from the draft public notice. If a public hearing is requested, a new notification will be published to identify the time and location of the public hearing. The public hearing will be held at least 30 days after the date of the new notification.

All interested persons are entitled to comment on these changes. All comments submitted to the above address by the close of business September 18, 2026 will be considered by Ohio EPA prior to final action on this action. Written statements submitted after this time period may be considered as time and circumstances permit but will not be part of the official record.

Questions or comments about this document should be directed to Kathryn Jobe at 614-728-0671 or kathryn.jobe@epa.ohio.gov.



<Date>

Ms. Anne Vogel
Regional Administrator
U.S. EPA, Region 5
77 West Jackson Blvd.
Chicago, Illinois 60604

Re: Revision to Ohio's Reasonably Available Control Technology (RACT) State Implementation Plan for the 2015 Ozone National Ambient Air Quality Standards – Source-Specific VOC RACT for Alterra Energy LLC (Facility ID 1677011258)

Dear Administrator Vogel:

On March 17, 2025, Ohio submitted a revision to Ohio's State Implementation Plan (SIP) to address Reasonably Available Control Technology (RACT) requirements for the 2015 8-hour ozone National Ambient Air Quality Standards (NAAQS) for areas classified as serious. As noted in this submittal, Ohio EPA adopted requirements in Ohio Administrative Code (OAC) rule 3745-21-11 for facilities in the nonattainment areas that emit fifty tons per year or more, but less than one hundred tons per year of volatile organic compounds (VOC) from sources not controlled by Ohio's CTG regulations in OAC Chapter 3745-21 or by categorical non-CTG RACT in OAC rules 3745-21-12, 3745-21-14, 3745-21-16, 3745-21-21 and 3745-21-25 to submit an updated RACT study within one year of the effective date of the rule. Upon review of the RACT study, Ohio EPA evaluated if the RACT proposed by the facility is appropriate to satisfy RACT requirements under the 2015 ozone standard.

Ohio is now submitting source-specific RACT for Alterra Energy LLC (Facility ID 1677011258) for approval into Ohio's SIP. This facility is located in the Cleveland 2015 ozone maintenance area and has no prior existing source-specific RACT established in OAC rule 3745-21-09.

The **VOC** RACT Study was submitted per OAC rule 3745-21-11. Ohio has determined that the RACT study is sufficient to justify employment of an enclosed vapor combustion unit with a control efficiency of not less than 98%, by weight, for VOC, proposed by the facility to act as RACT under the 2015 ozone standard. The RACT study is provided in Appendix A, and Director Final Findings and Orders (DFFO) that incorporated RACT is provided as Appendix B.

Ohio held a public comment period on Ohio's RACT determination from *August 17, 2026* to *September 18, 2026*. Appendix C contains the public notice. **[Ohio's response to comments received]**

during the public comment period is in Appendix D/No comments were received during the public comment period].

This SIP does not include the relaxation of any existing requirements and therefore will not interfere with the attainment or maintenance of the NAAQS in accordance with section 110(l) of the CAA.

Ohio EPA is now requesting approval of the proposed RACT for Alterra Energy LLC into Ohio's SIP.

Ohio EPA is submitting this SIP via U.S. EPA's State Planning Electronic Collaboration System (SPeCS). If you have questions, please contact Jennifer Van Vlerah in our Division of Air Pollution Control at (614) 644-3696.

Sincerely,

John Logue
Director

Cc: Bob Hodanbosi, Chief, Division of Air Pollution Control, Ohio EPA

Enclosures

BEFORE THE
OHIO ENVIRONMENTAL PROTECTION AGENCY

In the Matter of:

**Alterra Energy, LLC
1200 East Waterloo Road
Akron, Ohio, 44306**

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**Director's Final Findings
and Orders**

PREAMBLE

It is agreed by the parties hereto as follows:

I. JURISDICTION

These Director's Final Findings and Orders ("Orders") are issued to Alterra Energy, LLC ("Respondent") pursuant to the authority vested in the Director of the Ohio Environmental Protection Agency ("Ohio EPA") under Ohio Revised Code ("ORC") §§ 3704.03 and 3745.01.

II. PARTIES BOUND

These Orders shall apply to and be binding upon Respondent and successors in interest liable under Ohio law. No change in ownership of Respondent or of the facilities (as hereinafter defined) shall in any way alter each Respondent's obligations under these Orders.

III. DEFINITIONS

Unless otherwise stated, all terms used in these Orders shall have the same meaning as defined in ORC Chapter 3704 and the rules promulgated thereunder.

IV. FINDINGS

The Director of Ohio EPA makes the following findings:

1. Respondent owns and operates the Alterra Energy, LLC facility located at 1200 East Waterloo Road, Akron, Summit County, Ohio ("Facility"). The Facility employs an indirect fired pyrolysis kiln to convert hard-to-recycle plastics into raw petrochemical feedstock and is identified by Ohio EPA facility ID 1677011258. Emissions unit ("EU") P001 is the subject of these Orders and is subject to Ohio EPA rules and regulations.
2. EU P001 is a plastics recycling unit.
3. Effective April 1, 2025, Ohio EPA amended Ohio Administrative Code

("OAC") Rule 3745-21-11 which requires establishing Reasonably Available Control Technology ("RACT") requirements, in the form of emissions requirements for volatile organic compounds ("VOC").

4. OAC Rule 3745-21-11(A)(2) requires any source located in Cuyahoga, Geauga, Lake, Lorain, Medina, Portage, or Summit county that has the potential to emit, fifty tons or more of VOC emissions from sources which are not controlled by Ohio's CTG regulations in this chapter or by categorical non-CTG RACT contained in rules 3745-21-12, 3745-21-14, 3745-21-16, 3745-21-21 and 3745-21-25 of the Administrative Code to submit a RACT study within one year of the effective date of the rule (i.e., by April 1, 2026).

5. The Respondent submitted a RACT study to Ohio EPA on March 30, 2026 and submitted a revision on April 14, 2026.

6. ORC § 3704.03(R) authorizes the Director of Ohio EPA to "issue, modify, or revoke orders requiring abatement of or prohibiting emissions that violate applicable emission standards or other requirements of this chapter and rules adopted thereunder, or requiring emission control devices or measures in order to comply with applicable emission standards or other requirements of this chapter and rules adopted thereunder."

7. The Director has given consideration to, and based his determination on, evidence relating to the technical feasibility and economic reasonableness of complying with the following Orders and their relation to benefits to the people of the State to be derived from such compliance.

V. ORDERS

The Director hereby issues the following Orders:

1. By no later than ninety days after the effective date of these Orders, Respondent shall operate an enclosed vapor recovery unit (VCU) with a control efficiency of not less than ninety eight percent (98%), by weight, for control of VOC emissions from EU P001.

2. Within one year of the effective date of these Orders, Respondent shall perform emissions testing to demonstrate compliance with the 98%, by weight control efficiency.

3. All captured VOC emissions and process gas generated by EPU P001, excluding VOC emissions from the process heater, shall be vented to the enclosed VCU. The process gas produced shall not be vented directly into the atmosphere except in the event of a malfunction in accordance with OAC Rule 3745-15-06(B).

4. Within sixty days of the effective date of these Orders, Respondent shall

properly install, operate, and maintain a device to continuously monitor the pilot flame when EU P001 is in operation. The monitoring device and any recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.

5. A pilot flame shall be maintained at all times in the VCU's pilot light burner. The presence of the pilot flame shall be monitored using a thermocouple or other equivalent device to detect the presence of a flame.

6. Within sixty days of the effective date of these Orders, Respondent shall submit a detailed monitoring and recordkeeping plan to Ohio EPA for approval. The plan shall include detailed flare monitoring parameters and calculation methodologies in order to determine both the flare exit velocity and net heating value of the stack gas. In addition the record keeping plan shall include all periods of time during which there was no pilot flame or the flare was inoperable.

VI. TERMINATION

These Orders shall terminate after both (i) U.S. EPA approves Ohio's this determination of RACT in Ohio's SIP, and (ii) the emissions limitations and associated monitoring, reporting, and recordkeeping are subsequently incorporated into Respondent's permit-to-install and operate, permit-to-install, and/or Title V operating permit.

VII. OTHER CLAIMS

Nothing in these Orders shall constitute or be construed as a release from any claim, cause of action or demand in law or equity against any person, firm, partnership or corporation, not a party to these Orders, for any liability arising from, or related to, operations by Respondent.

VIII. OTHER APPLICABLE LAWS

All actions required to be taken pursuant to these Orders shall be undertaken in accordance with the requirements of all applicable local, state and federal laws and regulations. These Orders do not waive or compromise the applicability and enforcement of any other statutes or regulations applicable to the Respondent.

IX. MODIFICATIONS

These Orders may be modified by agreement of the parties hereto. Modifications shall be in writing and shall be effective on the date entered in the journal of the Director of Ohio EPA. Modifications shall be in writing and shall be effective for the State on the date entered in the journal of the Director of Ohio EPA, and will be submitted to U.S. EPA for incorporation into the SIP.

X. NOTICE

All documents required to be submitted by Respondent pursuant to these Orders shall be submitted through the Ohio EPA's eBusiness Center: Air Services web service and emailed to Jennifer Van Vlerah, Ohio EPA, Division of Air Pollution Control, at Jennifer.VanVlerah@epa.ohio.gov or to such persons and addresses as may hereafter be otherwise specified in writing by Ohio EPA.

XI. RESERVATION OF RIGHTS

Ohio EPA and Respondent each reserve all rights, privileges and causes of action, except as specifically waived in Section XII of these Orders.

XII. WAIVER

Without admission of fact, violation or liability, Respondent consents to the issuance of these Orders and agrees to comply with these Orders.

Respondent hereby waive the right to appeal the issuance, terms and conditions, and service of these Orders and Respondent hereby waives any and all rights Respondent may have to seek administrative or judicial review of these Orders either in law or equity.

Notwithstanding the preceding, Ohio EPA and Respondent agree that if these Orders are appealed by any other party to the Environmental Review Appeals Commission, or any court, Respondent retains the right to intervene and participate in such appeal. In such an event, Respondent shall continue to comply with these Orders notwithstanding such appeal and intervention unless these Orders are stayed, vacated or modified.

XIII. EFFECTIVE DATE

The effective date of these Orders is the date these Orders are entered into the Ohio EPA Director's journal.

XIV. SIGNATORY AUTHORITY

Each undersigned representative of a party to these Orders certifies that he or she is fully authorized to enter into these Orders and to legally bind such party to these Orders.

ORDERED AND AGREED:

Ohio Environmental Protection Agency

John Logue
Director

Date

AGREED:

Alterra Energy, LLC

Signature

Date

Printed or Typed Name and Title