



AKRON REGIONAL AIR QUALITY MANAGEMENT DISTRICT

Agent of the Ohio Environmental Protection Agency * A Service of Summit County Public Health * Serving Medina, Portage and Summit Counties

Telephone: (330) 375-2480 * Fax: (330) 752-7792
araqmd@schd.org

Sam Rubens, MPA, R.S.
Administrator

March 5, 2024

CERTIFIED MAIL

Angie Johnson
Alterra Energy, LLC
1200 East Waterloo Road
Akron, OH 44306

Re: **Alterra Energy, LLC
Stack Test Results
Air Permit
Summit County
1677011258**

Subject: Stack Test Review Letter

Dear Angie Johnson:

On December 5, 2023, emission testing was performed at Alterra Energy, LLC located at 1200 East Waterloo Road in Akron, Ohio for emissions unit P001 (Pyrolysis Line 1). The emission testing was witnessed by Akron Regional Air Quality Management District (ARAQMD). The stack test report was received by ARAQMD on January 19, 2024 and the revised stack test report was received on February 21, 2024. ARAQMD has reviewed the stack test report and has accepted the results of the stack test.

From the stack test results, the nitrogen oxides (NO_x) and volatile organic compound (VOC) emissions were higher than the estimated emissions that were submitted in any of the permit applications. Within 30 days, please submit a facility-requested correction to the current permit application A0072225 to request a modification to the NO_x and VOC emission limitations including a description of what technique or control has been selected as Best Available Technology (BAT). Please also update the emissions information in the permit application for emissions unit P001 (i.e., uncontrolled VOC emissions for the inlet of the vapor combustor unit (VCU), NO_x emissions including emissions from the process heater and VCU, etc.). Based on a 98% control efficiency for VOC emissions, you will also need to do air toxic modeling for acetaldehyde and 1,3-butadiene.

Thank you for your cooperation in this matter. If you have any questions, please contact me at (330) 812-3953 or e-mail lmiracle@schd.org.

Sincerely,

Laura Miracle
Air Quality Engineer
Akron Regional Air Quality Management District

ec: Sam Rubens/Sean Vadas, ARAQMD