

App No. 202200111

Archaea Energy Inc.
4444 Westheimer Road, Suite 450G
Houston, Texas 77027



May 6, 2022

MDEQ – AQD
Detroit Office - District Supervisor
Cadillac Place, Suite 2-300
3058 West Grand Blvd.
Detroit, MI 48202-6058

Subject: M-001 Rule 216(2) Minor Modification to Incorporate MI-PTI-46-22 Into ROP
MI-ROP-P0270-2012a

On behalf of Canton Renewables, LLC (Canton), Archaea Energy, Inc. (f/k/a Aria Energy, LLC), submits the enclosed minor modification application required by Rule 216(2).

On October 26, 2021, the State of Michigan Department of Environment, Great Lakes, and Energy (EGLE) notified Canton that it had received a Permit to Install (PTI) application on October 14, 2021. On April 15, 2022, Canton was issued PTI No. 46-22 which authorized the installation of a nitrogen removal unit (NRU) and associated thermal recuperative oxidizer (TRO), the installation of hydrogen sulfide removal equipment, and reduced the permitted capacity of the open flare. Canton is submitting the enclosed minor modification application to incorporate the conditions of PTI 46-22 into its Renewal Operating Permit as required by Rule **216(2)**.

Payment Remittance & Invoice Address -
By Email: PREFERRED
AriaAccounts.Payable@archaea.energy

By Mail:
Canton Renewables, LLC
46280 Dylan Drive, Ste 200
Novi, MI 48377
Attn.: Accounts Payable/Receivable

Please let us know if you have any questions regarding this matter.

Sincerely,

ARCHAEA ENERGY, INC / CANTON RENEWABLES, LLC



John (J.P.) McNeil
Senior Vice President Operations

Enclosure – **Form M-001** Minor Modification, **Form AI-001** Additional Information, & **C-001** Certification

With copy to –

EGLE Air Quality Division
Permit Section
P.O. Box 30260
Lansing, MI 48909-7760

EGLE, Air Quality Division
Cadillac District Office
120 West Chapin Street
Cadillac, MI 49601

EGLE, Air Quality Division
350 Ottawa Avenue NW
Unit 10
Grand Rapids, MI 49503
EGLE-ROP@michigan.gov



RENEWABLE OPERATING PERMIT M-001: RULE 215 CHANGE NOTIFICATION RULE 216 AMENDMENT/MODIFICATION APPLICATION

This information is required by Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment.

1. SRN P0270	2. ROP Number MI-ROP-P0270-2012a	3. County Wayne
4. Stationary Source Name Canton Renewables, LLC		
5. Location Address 4345 South Lilley Road		6. City Canton Twp.
<p>7. Submittal Type - <i>The submittal must meet the criteria for the box checked below. Check only one box. Attach a mark-up of the affected ROP pages for applications for Rule 216 changes.</i></p> <p><input type="checkbox"/> Rule 215(1) Notification of change. Complete Items 8 – 10 and 14</p> <p><input type="checkbox"/> Rule 215(2) Notification of change. Complete Items 8 – 10 and 14</p> <p><input type="checkbox"/> Rule 215(3) Notification of change. Complete Items 8 – 11 and 14</p> <p><input type="checkbox"/> Rule 215(5) Notification of change. Complete Items 8 – 10 and 14</p> <p><input type="checkbox"/> Rule 216(1)(a)(i)-(iv) Administrative Amendment. Complete Items 8 – 10 and 14</p> <p><input type="checkbox"/> Rule 216(1)(a)(v) Administrative Amendment. Complete Items 8 – 14. Results of testing, monitoring & recordkeeping must be submitted. See detailed instructions.</p> <p><input checked="" type="checkbox"/> Rule 216(2) Minor Modification. Complete Items 8 – 12 and 14</p> <p><input type="checkbox"/> Rule 216(3) Significant Modification. Complete Items 8 – 12 and 14, and provide any additional information needed on ROP application forms. See detailed instructions.</p> <p><input type="checkbox"/> Rule 216(4) State-Only Modification. Complete Items 8 – 12 and 14</p>		
8. Effective date of the change. (MM/DD/YYYY) <i>See detailed instructions.</i> 06/01/2022		9. Change in emissions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>10. Description of Change - <i>Describe any changes or additions to the ROP, including any changes in emissions and/or pollutants that will occur. If additional space is needed, complete an Additional Information form (AI-001).</i></p> <p>Canton Renewables requests incorporation of a PTI which authorizes the installation of a nitrogen removal unit (NRU) controlled by a thermal recuperative oxidizer (TRO), the installation of H₂S removal equipment, and reduces the permitted capacity of the existing open flare (EUOPENFLARE). This results in an emissions decrease for all criteria pollutants at the facility. Changes in emissions were provided in the Permit to Install application dated October 8, 2021 and are summarized in the attached form AI-001.</p>		
11. New Source Review Permit(s) to Install (PTI) associated with this application? If Yes, enter the PTI Number(s) 46-22 - - - - -		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>12. Compliance Status - <i>A narrative compliance plan, including a schedule for compliance, must be submitted using an AI-001 if any of the following are checked No.</i></p> <p>a. Is the change identified above in compliance with the associated applicable requirement(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>b. Will the change identified above continue to be in compliance with the associated applicable requirement(s)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>c. If the change includes a future applicable requirement(s), will timely compliance be achieved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>		
13. Operator's Additional Information ID - <i>Create an Additional Information (AI) ID for the associated AI-001 form used to provide supplemental information.</i>		AI 001
14. Contact Name Emily Zambuto	Telephone No. 585-948-4616	E-mail Address ezambuto@archaea.energy
15. This submittal also updates the ROP renewal application submitted on ___/___/___ <input type="checkbox"/> Yes <input type="checkbox"/> N/A <i>(If yes, a mark-up of the affected pages of the ROP must be attached.)</i>		

NOTE: A CERTIFICATION FORM (C-001) SIGNED BY A RESPONSIBLE OFFICIAL MUST ACCOMPANY ALL SUBMITTALS

For Assistance
Contact: 800-662-9278

www.michigan.gov/egle

EQP 5775 (Rev.04-2019)



RENEWABLE OPERATING PERMIT APPLICATION

AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, Part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

SRN: P0270

Section Number (if applicable): N/A

1. Additional Information ID
AI-001

Additional Information

2. Is This Information Confidential?

Yes No

Section 10 of the attached M-001 form for a Rule 216 modification requests that changes in emissions associated with the incorporation of the subject PTI (PTI No. 46-22) be quantified. Emissions associated with the project were provided in the PTI application dated October 8, 2021 and are summarized as follows:

Pollutant	Proposed EUTRO Installation	Proposed FGLFGPLANT Capacity Increase	Reduction EUOPENFLARE Capacity	Proposed H ₂ S Reduction Equipment	Net Project Emissions Change
Nitrogen Oxides	6.24	1.27	-10.8	--	-3.28
Carbon Monoxide	12.5	4.25	-58.7	--	-42.0
Particulate Matter	1.05	0.36	-2.70	--	-1.29
Sulfur Dioxide	0.66	0.70	-1.15	3.5	-32.3
VOC	8.56	4.39	-22.2	--	-9.26
HCl	0.79	0.84	-1.38	--	0.25
Total HAP	0.84	0.88	-1.45	--	0.27



Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division

RENEWABLE OPERATING PERMIT APPLICATION C-001: CERTIFICATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to provide this information may result in civil and/or criminal penalties. Please type or print clearly.

This form is completed and included as part of Renewable Operating Permit (ROP) initial and renewal applications, notifications of change, amendments, modifications, and additional information.

Form Type C-001	SRN P0270
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Stationary Source Name Canton Renewables, LLC	
City Canton Twp.	County Wayne

SUBMITTAL CERTIFICATION INFORMATION	
1. Type of Submittal <i>Check only one box.</i>	
<input type="checkbox"/> Initial Application (Rule 210)	<input checked="" type="checkbox"/> Notification / Administrative Amendment / Modification (Rules 215/216)
<input type="checkbox"/> Renewal (Rule 210)	<input type="checkbox"/> Other, describe on AI-001
2. If this ROP has more than one Section, list the Section(s) that this Certification applies to _____	
3. Submittal Media <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> FTP <input type="checkbox"/> Disk <input checked="" type="checkbox"/> Paper	
4. Operator's Additional Information ID - Create an Additional Information (AI) ID that is used to provide supplemental information on AI-001 regarding a submittal. AI 001	

CONTACT INFORMATION	
Contact Name Emily Zambuto	Title Director of Environmental Compliance
Phone number 585-948-4616	E-mail address ezambuto@archaea.energy

This form must be signed and dated by a Responsible Official.				
Responsible Official Name John (J.P.) McNeil			Title Senior Vice President of Operations	
Mailing address 4444 Westheimer Road, Ste 450G				
City Houston	State TX	ZIP Code 77027	County Harris	Country USA
As a Responsible Official, I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this submittal are true, accurate and complete.				
			05/21/2022	
Signature of Responsible Official			Date	