



APR 19 2019

Philip Verwey
Aligned Digester Cooperative LLC
19765 13th Ave
Hanford, CA 93230

RE: Notice of Final Action - Authority to Construct
Facility Number: C-9218
Project Number: C-1172070

Dear Mr. Verwey:

The Air Pollution Control Officer has issued the Authority to Construct permit to Aligned Digester Cooperative LLC for the installation of a digester gas production and storage operation, including a covered lagoon anaerobic digester and a 44.8 MMBtu/hr backup/emergency flare, at 21519 Road 4, Chowchilla. Enclosed are the Authority to Construct permit and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permit was published on March 6, 2019. The District's analysis of the proposal was also sent to CARB on February 27, 2019. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Samir Sheikh
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

Mr. Philip Verwey
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Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas at (559) 230-6000.

Sincerely,

A handwritten signature in cursive script, reading "Arnaud Marjollet". The signature is written in black ink and is positioned above a horizontal line.

Arnaud Marjollet
Director of Permit Services

AM:jka

Enclosures

cc: Brian Clerico, CARB (w/enclosure) via email



Facility # C-9218
ALIGNED DIGESTER COOPERATIVE LLC
19765 13TH AVENUE
HANFORD, CA 93230

AUTHORITY TO CONSTRUCT (ATC)

QUICK START GUIDE

1. **Pay Invoice:** Please pay enclosed invoice before due date.
2. **Fully Understand ATC:** Make sure you understand ALL conditions in the ATC prior to construction, modification and/or operation.
3. **Follow ATC:** You must construct, modify and/or operate your equipment as specified on the ATC. Any unspecified changes may require a new ATC.
4. **Notify District:** You must notify the District's Compliance Department, at the telephone numbers below, upon start-up and/or operation under the ATC. Please record the date construction or modification commenced and the date the equipment began operation under the ATC. You may NOT operate your equipment until you have notified the District's Compliance Department. A startup inspection may be required prior to receiving your Permit to Operate.
5. **Source Test:** Schedule and perform any required source testing. See http://www.valleyair.org/busind/comply/source_testing.htm for source testing resources.
6. **Maintain Records:** Maintain all records required by ATC. Records are reviewed during every inspection (or upon request) and must be retained for at least 5 years. Sample record keeping forms can be found at http://www.valleyair.org/busind/comply/compliance_forms.htm.

By operating in compliance, you are doing your part to improve air quality for all Valley residents.

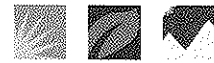
**For assistance, please contact District Compliance staff at
any of the telephone numbers listed below.**

Samir Sheikh
Executive Director/Air Pollution Control Officer

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AUTHORITY TO CONSTRUCT

PERMIT NO: C-9218-1-0

ISSUANCE DATE: 04/11/2019

LEGAL OWNER OR OPERATOR: ALIGNED DIGESTER COOPERATIVE LLC

MAILING ADDRESS: 19765 13TH AVENUE
HANFORD, CA 93230

LOCATION: 21519 ROAD 4
CHOWCHILLA, CA 93610

EQUIPMENT DESCRIPTION:

DIGESTER GAS PRODUCTION AND STORAGE OPERATION CONSISTING OF ONE COVERED LAGOON ANAEROBIC DIGESTER (460 FT X 360 FT X 24 FT), ONE 44.8 MMBTU/HR BACKUP/EMERGENCY FLARE; AND PERMIT EXEMPT GAS COLLECTION, CONDITIONING, AND STORAGE EQUIPMENT INCLUDING HYDROGEN SULFIDE (H₂S) REMOVAL SCRUBBER(S), KNOCKOUT VESSEL(S), COMPRESSOR(S), CHILLER(S), ACTIVATED CARBON ADSORPTION VESSEL(S), CARBON DIOXIDE SEPARATION MEMBRANE UNIT(S), AND STORAGE TANK(S)/PRESSURE VESSEL(S)

CONDITIONS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Only dairy manure digester gas shall be vented through this flare. [District Rule 2201]
7. A flame shall be present at all times whenever combustible gases are vented through the flare. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Arnaud Marjollet

Arnaud Marjollet, Director of Permit Services

C-9218-1-0 - Apr 11 2019 8:43AM -- ALYABEJU - Joint Inspection Required with ALYABEJU

8. The flare outlet shall be equipped with an automatic ignition system, or shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 2201]
9. The flare shall be equipped with an operational, non-resettable, totalizing mass or volumetric fuel flow meter or other District-approved alternative method to determine the quantity of gas flared. [District Rule 2201]
10. The flare shall be operated only for testing and maintenance, required regulatory purposes, backup, and emergency purposes. An emergency is a situation or condition arising from a sudden and reasonably unforeseeable and unpreventable event beyond the control of the operator, such as, but not limited to, unpreventable equipment failure, natural disasters, acts of war or terrorism, and external power curtailment (except due to interruptible power service agreements). An emergency situation requires immediate corrective action to restore safe operation. [District Rules 2201 and 4102]
11. Flaring of digester gas for testing and maintenance, required regulatory purposes, and backup purposes shall not exceed either of the following limits: 1,075.2 MMBtu (equivalent to 1.536 MMscf @ 700 Btu/scf) in any one day and 22,400 MMBtu (equivalent to 32.0 MMscf @ 700 Btu/scf) in any consecutive 365-day period. [District Rules 2201 and 4102]
12. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NO_x/MMBtu, 0.015 lb-PM₁₀/MMBtu, 0.046 lb-CO/MMBtu, or 0.006 lb-VOC/MMBtu. [District Rule 2201]
13. The VOC content of the digester gas shall not exceed 10% by weight. [District Rule 2201]
14. The sulfur content of any digester gas combusted in this flare shall not exceed 4,000 ppmv as H₂S. The permittee may utilize an averaging period of up to 24 hours in length for demonstration of compliance with the digester gas sulfur content limit. [District Rules 2201 and 4801]
15. Digester gas sulfur content analysis shall be performed within 60 days of initial startup operation, and at least once every 12 months thereafter, using EPA Method 11 or EPA Method 15, as appropriate. Records of the digester gas sulfur content analysis shall be maintained and provided to the District upon request. [District Rule 2201]
16. The sulfur content of the digester gas to be flared shall be monitored and recorded at least once every calendar quarter in which a digester gas sulfur content analysis is not performed. If quarterly monitoring shows a violation of the sulfur content limit of this permit, monthly monitoring will be required until six consecutive months of monitoring show compliance with the sulfur content limit. Once compliance with the sulfur content limit is shown for six consecutive months, then the monitoring frequency may return to quarterly. Monitoring shall not be required during periods in which the flare does not operate. [District Rule 2201]
17. Monitoring of the digester gas sulfur content shall be performed using gas detection tubes calibrated for H₂S; a Testo 350 XL portable emission monitor; a continuous fuel gas monitor that meets the requirements specified in SCAQMD Rule 431.1, Attachment A; District-approved source test methods, including EPA Method 15, ASTM Method D1072, D4084, and D5504; District-approved in-line H₂S monitors; or an alternative method approved by the District. Prior to utilization of in-line monitors to demonstrate compliance with the digester gas sulfur content limit of this permit, the permittee shall submit details of the proposed monitoring system, including the make, model, and detection limits, to the District and obtain District approval for the proposed monitor(s). [District Rule 2201]
18. Records of hydrogen sulfide analyzer(s) installed or utilized and the calibration records of such analyzer(s) shall be maintained. Records are only required on such analyzer(s) utilized to demonstrate compliance with this permit. [District Rule 2201]
19. The permittee shall maintain flare operation records including the dates of operation, the purpose of operation, and the daily and annual quantities of digester gas flared, in standard cubic feet (scf). [District Rule 2201]
20. The permittee shall maintain records of annual throughput, material usage, or other information necessary to demonstrate that this stationary source (C-9218) has the potential to emit, for all processes, less than ten (10.0) tons per year of VOC and less than ten (10.0) tons per year of NO_x. [District Rule 4311]
21. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. Records may be maintained and submitted in an electronic format approved by the District. [District Rules 2201 and 4311]