

# ATTACHMENT L

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-9169-1-0

**EXPIRATION DATE:** 10/31/2026

**EQUIPMENT DESCRIPTION:**

DIGESTER GAS OPERATION CONSISTING OF A 36,000,000 GALLON (EQUIVALENT TO 412'X507'X21.5') ANAEROBIC DIGESTER LAGOON WITH AN AIR/OXYGEN INJECTION SYSTEM FOR H<sub>2</sub>S CONTROL AND A GAS COLLECTION AND HANDLING SYSTEM SERVED BY A H<sub>2</sub>S SCRUBBER

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. The digester system shall be designed to allow gas generated to be stored for more than 24 hours prior to venting in the event that the gas cannot be combusted in digester gas-fired engines or sent to another device with a VOC control efficiency of at least 95% by weight as determined by the APCO. [District Rule 2201]
4. The air/oxygen injection system shall be maintained and operated in accordance with the supplier's recommendations to minimize the concentration of hydrogen sulfide (H<sub>2</sub>S) in the digester gas. [District Rule 2201]
5. The VOC content of the digester gas produced by the digester system shall not exceed 10% by weight. [District Rule 2201]
6. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. All records may be maintained and submitted in an electronic format approved by the District. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate

Facility Name: BAR 20 DAIRY BIOGAS LLC  
Location: 24387 W WHITESBRIDGE AVE, KERMAN , CA 93630

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-9169-4-0

**EXPIRATION DATE:** 10/31/2026

**EQUIPMENT DESCRIPTION:**

250 KW BLOOM ENERGY MODEL ES5-EB2AAN DIGESTER GAS-FUELED FUEL CELL

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. 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]
5. Emissions from this fuel cell shall not exceed any of the following limits: 0.0024 lb-NO<sub>x</sub>/MW-hr, 0.002 lb-SO<sub>x</sub>/MW-hr, 0.007 lb-PM<sub>10</sub>/MW-hr, 0.04 lb-CO/MW-hr, or 0.025 lb-VOC/MW-hr. [District Rules 2201 and 4801]
6. The sulfur content of the digester gas used as fuel in this fuel cell shall not exceed 1 ppmv as H<sub>2</sub>S. [District Rule 2201]
7. Records demonstrating that the sulfur content of the gas used as fuel in this fuel cell does not exceed 1 ppmv as H<sub>2</sub>S shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

These terms and conditions are part of the Facility-wide Permit to Operate

Facility Name: BAR 20 DAIRY BIOGAS LLC

Location: 24387 W WHITESBRIDGE AVE, KERMAN , CA 93630

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-9169-5-0

**EXPIRATION DATE:** 10/31/2026

**EQUIPMENT DESCRIPTION:**

250 KW BLOOM ENERGY MODEL ES5-EB2AAN DIGESTER GAS-FUELED FUEL CELL

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. 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]
5. Emissions from this fuel cell shall not exceed any of the following limits: 0.0024 lb-NO<sub>x</sub>/MW-hr, 0.002 lb-SO<sub>x</sub>/MW-hr, 0.007 lb-PM<sub>10</sub>/MW-hr, 0.04 lb-CO/MW-hr, or 0.025 lb-VOC/MW-hr. [District Rules 2201 and 4801]
6. The sulfur content of the digester gas used as fuel in this fuel cell shall not exceed 1 ppmv as H<sub>2</sub>S. [District Rule 2201]
7. Records demonstrating that the sulfur content of the gas used as fuel in this fuel cell does not exceed 1 ppmv as H<sub>2</sub>S shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

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Facility Name: BAR 20 DAIRY BIOGAS LLC

Location: 24387 W WHITESBRIDGE AVE, Kerman , CA 93630

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-9169-6-0

**EXPIRATION DATE:** 10/31/2026

**EQUIPMENT DESCRIPTION:**

249.5 KW BLOOM ENERGY MODEL ES5-DB2AAC DIGESTER GAS-FUELED FUEL CELL

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. 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]
5. Emissions from this fuel cell shall not exceed any of the following limits: 0.0024 lb-NO<sub>x</sub>/MW-hr, 0.002 lb-SO<sub>x</sub>/MW-hr, 0.007 lb-PM<sub>10</sub>/MW-hr, 0.04 lb-CO/MW-hr, or 0.025 lb-VOC/MW-hr. [District Rules 2201 and 4801]
6. The sulfur content of the digester gas used as fuel in this fuel cell shall not exceed 1 ppmv as H<sub>2</sub>S. [District Rule 2201]
7. Records demonstrating that the sulfur content of the gas used as fuel in this fuel cell does not exceed 1 ppmv as H<sub>2</sub>S shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

These terms and conditions are part of the Facility-wide Permit to Operate

Facility Name: BAR 20 DAIRY BIOGAS LLC

Location: 24387 W WHITESBRIDGE AVE, Kerman , CA 93630

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-9169-7-0

**EXPIRATION DATE:** 10/31/2026

**EQUIPMENT DESCRIPTION:**

249.5 KW BLOOM ENERGY MODEL ES5-DB2AAC DIGESTER GAS-FUELED FUEL CELL

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. 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]
5. Emissions from this fuel cell shall not exceed any of the following limits: 0.0024 lb-NO<sub>x</sub>/MW-hr, 0.002 lb-SO<sub>x</sub>/MW-hr, 0.007 lb-PM<sub>10</sub>/MW-hr, 0.04 lb-CO/MW-hr, or 0.025 lb-VOC/MW-hr. [District Rules 2201 and 4801]
6. The sulfur content of the digester gas used as fuel in this fuel cell shall not exceed 1 ppmv as H<sub>2</sub>S. [District Rule 2201]
7. Records demonstrating that the sulfur content of the gas used as fuel in this fuel cell does not exceed 1 ppmv as H<sub>2</sub>S shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 2201]

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Facility Name: BAR 20 DAIRY BIOGAS LLC

Location: 24387 W WHITESBRIDGE AVE, Kerman , CA 93630