December 12, 2022

Mr. David Harris
Santa Barbara County
Air Pollution Control District
260 N. San Antonio Rd, Suite A
Santa Barbara, CA 93110

Subject: Newbridge Acquisition Holdings. LLC
Title V Permit Application Careaga Lease

SSID 1517
FID 1517

Dear Mr. Harris:

Enclosed is a Title V permit application to include Newbridge Acquisition Holdings, LLC (NAH) Careaga Lease as part of the Orcutt Hill Field Stationary Source that is owned and operated by Pacific Coast Energy Company (PCEC). The main facility permit for the Careaga Lease is PTO 8896-R12. NAH is the owner and Newbridge Resources LLC is the operator of the Careaga Lease. Per District policy, the application fee will be paid over the phone with staff.

Should you have any questions about this submittal, do not hesitate to contact me or Marianne Strange at 805-564-6590.

Sincerely,

P. Brown

Philip Brown
VP of Operations
805-937-2576

Enclosure

C: M. Strange, MFSA
Justin Martin, PCEC

Print Form

air pollution control district
SANTA BARBARA COUNTY

General Permit Application Form -01

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

1. APPLICATION TYPE (check all that apply)**:**

- [ ] Authority to Construct (ATC)
- [ ] Permit to Operate (PTO)
- [ ] ATC Modification
- [ ] PTO Modification
- [x] Other (Specify) Title V
- [ ] Transfer of Owner/Operator (use Form -01T)
- [ ] Emission Reduction Credits
- [ ] Increase in Production Rate or Throughput
- [ ] Decrease in Production Rate or Throughput

Previous ATC/PTO Number (if known) 8896

( ) X Yes ( ) No Are Title 5 Minor Modification Forms Attached? (this applies to Title 5 sources only and applies to all application types except ATCs and Emission Reduction Credits). Complete Title 5 Form -1302 A1/A2, B, and M. Complete Title 5 Form -1302 C1/C2, D1/D2, E1/E2, F1/F2, G1/G2 as appropriate. http://www.ourair.org/wp-content/uploads/t5-forms.pdf

Mail or email the completed application to the APCD's Engineering Division at the address listed above or permits@sbcapcd.org.

2. FILING FEE:

A $456 application filing fee must be included with each application. The application filing fee is COLA-adjusted every July 1st. Please ensure you are remitting the correct current fee (the current fee schedule is available on the APCD's webpage at: http://www.ourair.org/district-fees). This filing fee will not be refunded or applied to any subsequent application. Payment may also be made by credit card by submitting the Credit Card Authorization Form found here https://www.ourair.org/wp-content/uploads/apcd-01c.pdf via mail or calling 805-979-8050 to pay via phone.

Do not submit the Credit Card Authorization Form via email.

3. IS YOUR PROJECT'S PROPERTY BOUNDARY LOCATED OR PROPOSED TO BE LOCATED WITHIN 1,000 FEET FROM THE OUTER BOUNDARY OF A SCHOOL? If yes, and the project results in an emissions increase, submit a completed Form -03 (*School Summary Form)* http://www.ourair.org/wp-content/uploads/apcd-03.pdf ( ) Yes (•) No

If yes, provide the name of school(s)

Address of school(s)

City Zip Code

4. DOES YOUR APPLICATION CONTAIN CONFIDENTIAL INFORMATION? ( ) Yes (•) No

If yes, please submit with a redacted duplicate application which shall be a public document. In order to be protected from disclosure to the public, all information claimed as confidential shall be submitted in accordance with APCD Policy & Procedure 6100-020 (*Handling of Confidential Information*): http://www.ourair.org/wp-content/uploads/6100-020.pdf, and meet the criteria of CA Govt Code Sec 6254.7. Failure to follow required procedures for submitting confidential information, or to declare it as confidential at the time of application, shall be deemed a waiver by the applicant of the right to protect such information from public disclosure. *Note: Part 70 permit applications may contain confidential information in accordance with the above procedures, however, the content of the permit documents must be public (no redactions).*

FOR APCD USE ONLY				DATE STAMP
FID	1517	Permit No.	Pt-70 16033	Rec'vd 12/13/2022
Project Name	Careaga Lease			
Filing Fee	$456		202.E? YES / NO	

CC #9258 Marianne Strange

5. COMPANY/CONTACT INFORMATION:

Owner Info	○ Yes ◉ No	Use as Billing Contact?
Company Name	Newbridge Acquisition Holding, LLC	
Doing Business As	NAH	
Contact Name	Philip Brown	Position/Title: VP of Operations
Mailing Address	1555 Orcutt Hill Road	
City	Orcutt	State: CA Zip Code: 93455
Telephone	8059372576	Cell: Email: philip.brown@pceclp.com

Operator Info	◉ Yes ○ No	Use as Billing Contact?
Company Name	Newbridge Resources LLC	
Doing Business As	Newbridge	
Contact Name		Position/Title:
Mailing Address	1555 Orcutt Hill Road	
City	Orcutt	State: CA Zip Code: 93455
Telephone	(805) 937-2576	Cell: Email:

Authorized Agent Info*	○ Yes ◉ No	Use as Billing Contact?
Company Name	M. F. Strange & Associates, Inc.	
Doing Business As	MFSA	
Contact Name	Marianne Strange	Position/Title: Environmental Consultant
Mailing Address	P. O. Box 1484	
City	Santa Barbara	State: CA Zip Code: 93102
Telephone	(805) 564-6590	Cell: (805) 570-9740 Email: mstrange@mfsair.com

*Use this section if the application is not submitted by the owner/operator. Complete APCD Form -01A (http://www.ourair.org/wp-content/uploads/apcd-01a.pdf). Owner/Operator information above is still required.

SEND PERMITTING CORRESPONDENCE TO *(check all that apply)*:

- ☐ Owner
- ☒ Operator
- ☒ Authorized Agent
- ☐ Other (attach mailing information)

6. GENERAL NATURE OF BUSINESS OR AGENCY:

Oil and Gas

7. EQUIPMENT LOCATION (Address):

Specify the street address of the proposed or actual equipment location. If the location does not have a designated address, please specify the location by cross streets, or lease name, UTM coordinates, or township, range, and section.

Equipment Address: Careaga Lease

City: Orcutt State: CA Zip Code: 93455

Work Site Phone: +1 (805) 937-2576

○ Incorporated (within city limits) ◉ Unincorporated (outside city limits) ○ Used at Various Locations

Assessors Parcel No(s):

8. PROJECT DESCRIPTION:

(Describe the equipment to be constructed, modified and/or operated or the desired change in the existing permit. Attach a separate page if needed):

NAH is applying for a Title V permit. All forms attached.

9. DO YOU REQUIRE A LAND USE PERMIT OR OTHER LEAD AGENCY PERMIT FOR THE PROJECT DESCRIBED IN THIS APPLICATION?: ○ Yes ◉ No

A. If **yes,** please provide the following information

Agency Name	Permit #	Phone #	Permit Date

* The lead agency is the public agency that has the principal discretionary authority to approve a project. The lead agency is responsible for determining whether the project will have a significant effect on the environment and determines what environmental review and environmental document will be necessary. The lead agency will normally be a city or county planning agency or similar, rather than the Air Pollution Control District.

B. If **yes,** has the lead agency permit application been deemed complete and is a copy of their completeness letter attached?

○ Yes ○ No

Please note that the APCD will not deem your application complete until the lead agency application is deemed complete.

C. If the lead agency permit application has not been deemed complete, please explain.

D. A copy of the final lead agency permit or other discretionary approval by the lead agency may be requested by the APCD as part of our completeness review process.

10. PROJECT STATUS:

A. Date of Equipment Installation: NA

B. Have you been issued a Notice of Violation (NOV) for not obtaining a permit for this equipment/modification *and/or* have you installed this equipment without the required APCD permit(s)? If yes, the application filing is double per Rule 210. ○ Yes ◉ No

C. Is this application being submitted due to the loss of a Rule 202 exemption? ○ Yes ◉ No

D. Will this project be constructed in multiple phases? If yes, attach a separate description of the nature and extent of each project phase, including the associated timing, equipment and emissions. ○ Yes ◉ No

E. Is this application also for a change of owner/operator? If yes, please also include a completed APCD Form -01T. ○ Yes ◉ No

11. APPLICANT/PREPARER STATEMENT:

The person who prepares the application also must sign the permit application. The preparer may be an employee of the owner/operator or an authorized agent (contractor/consultant) working on behalf of the owner/operator (an *Authorized Agent Form -01A* is required).

I certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct.

Marianne Strange	December 9, 2022
Signature of application preparer	Date
Marianne Strange	MFSA
Print name of application preparer	Employer name

12. APPLICATION CHECKLIST (*check all that apply*)

☒ Application Filing Fee (Fee = $456. The application filing fee is COLA adjusted every July 1st. Please ensure you are remitting the current fee.) As a convenience to applicants, the APCD will accept credit card payments. If you wish to use this payment option, please complete a *Credit Card Form-01C* https://www.ourair.org/wp-content/uploads/apcd-01c.pdf and submit it via mail or call 805-979-8050 to pay over the phone. **Do not submit the *Credit Card Form-01C* via email**.

☐ Existing permitted sources may request that the filing fee be deducted from their current reimbursable deposits by checking this box. Please deduct the filing fee from my existing reimbursement account.

☐ Form -01T (*Transfer of Owner/Operator*) attached if this application also addresses a change in owner and/or operator status from what is listed on the current permit. http://www.ourair.org/wp-content/uploads/apcd-01t.pdf

☐ Form -03 (*School Summary Form*) attached if the project's property boundary is within 1,000 feet of the outer boundary of a school (k-12) and the project results in an emissions increase. http://www.ourair.org/wp-content/uploads/apcd-03.pdf

☒ Information required by the APCD for processing the application as identified in APCD Rule 204 (*Applications*), the APCD's *General APCD Information Requirements List* (https://www.ourair.org/wp-content/uploads/gen-info.pdf), and any of the APCD's Process/Equipment Summary Forms (http://www.ourair.org/permit-applications) that apply to the project.

☒ Form -01A (*Authorized Agent Form*) attached if this application was prepared by and/or if correspondence is requested to be sent to an Authorized Agent (e.g., contractor or consultant). This form must accompany each application. http://www.ourair.org/wp-content/uploads/apcd-01a.pdf

☐ Confidential Information submitted according to APCD Policy & Procedure 6100-020. (*Failure to follow Policy and Procedure 6100-020 is a waiver of right to claim information as confidential.*)

13. NOTICE OF CERTIFICATION:

All applicants must complete the following Notice of Certification. This certification must be signed by the Authorized Company Representative representing the owner/operator. Signatures by Authorized Agents will not be accepted.

NOTICE of CERTIFICATION

I, Marianne Strange , am employed by or represent

Type or Print Name of Authorized Company Representative

NAH

Type or Print Name of Business, Corporation, Company, Individual, or Agency

(hereinafter referred to as the applicant), and certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct and the equipment listed herein complies or can be expected to comply with said rules and regulations when operated in the manner and under the circumstances proposed. If the project fees are required to be funded by the cost reimbursement basis, as the responsible person, I agree that I will pay the Santa Barbara County Air Pollution Control District the actual recorded cost, plus administrative cost, incurred by the APCD in the processing of the application within 30 days of the billing date. If I withdraw my application, I further understand that I shall inform the APCD in writing and I will be charged for all costs incurred through closure of the APCD files on the project.

For applications submitted for Authority to Construct, modifications to existing Authority to Construct, and Authority to Construct/Permit to Operate permits, I hereby certify that all major stationary sources in the state and all stationary sources in the air basin which are owned or operated by the applicant, or by an entity controlling, controlled by, or under common control with the applicant, are in compliance, or are on approved schedule for compliance with all applicable emission limitations and standards under the Clean Air Act (42 USC 7401 *et seq.*) and all applicable emission limitations and standards which are part of the State Implementation Plan approved by the Environmental Protection Agency.

Completed By: Marianne Strange Title: Authorized Agent

Date: December 9, 2022 Phone: (805) 564-6590

Signature of Authorized Company Representative R. Brown

PLEASE NOTE THAT FAILURE TO COMPLETELY PROVIDE ALL REQUIRED INFORMATION OR FEES WILL RESULT IN YOUR APPLICATION BEING RETURNED OR DEEMED INCOMPLETE.

air pollution control district
SANTA BARBARA COUNTY

Print Form

Authorized Agent Form
Application Form -01A

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

I hereby designate:

Agent's Name (print)	**Marianne Strange**
Agent's Business Name	**M. F. Strange & Associates, Inc.**
Agent's Phone Number	**805-564-6590**
Agent's Email	**mstrange@mfsair.com**
Agent's Address	**P. O. Box 1484**
City, State, Zip	**Santa Barbara CA 93012**

to serve as the Authorized Agent for my company: **Newbridge Acquisition Holdings LLC**
(applicant or permitted company's name - print)

at **Careaga Lease**
(facility name(s) - print)

in dealing with the Santa Barbara County Air Pollution Control District (APCD) in matters regarding (check as appropriate):

- ☒ Permitting
- ☐ Billing
- ☒ Air Toxics/HRA
- ☒ Source Testing
- ☒ Inspections and Permit Compliance
- ☐ All of the above
- ☐ Other (state purpose):

This Designation included written correspondence, telephone discussions and meetings and shall remain in effect until it is suspended in writing by my company or the following date: **Indefinate** whichever is earlier.

As a designated Responsible Official, I hereby authorize the above mentioned agent to represent my company in the matters identified above:

Name (print)	**Philip Brown**
Title	**VP of Operations**
Phone	**805-937-2576**
Email	**philip.brown@pceclp.com**
Address	**1555 Orcutt Hill Road**
City, State, Zip	**Orcutt, CA 93455**
Signature	P. Brown

For APCD use only. FID # _____ **App. #** _____

STATIONARY SOURCE SUMMARY
(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District	
COMPANY NAME: Newbridge Acquisition Holdings, LLC	

➢ APCD USE ONLY ➣

APCD IDS Processing ID:

Application #: **Date Application Received:**

Application Filing Fee*: **Date Application Deemed Complete:**

I. SOURCE IDENTIFICATION

1. Source Name: Newbridge Acquistion Holdings, LLC Orcutt Field Careaga Lease
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name):
4. Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt Ca 93455
5. Street Address of Source Location (include Zip Code):
6. UTM Coordinates (if required) (see instructions):
7. Source located within: 50 miles of the state line [ ] Yes [X] No
   50 miles of a Native American Nation [ ] Yes [X] No [ ] Not Applicable
8. Type of Organization: [X] Corporation [ ] Sole Ownership [ ] Government
   [ ] Partnership [ ] Utility Company
9. Legal Owner's Name: Newbridge Acquistion Holdings, LLC
10. Owner's Agent Name (if any): Marianne Stragne Title: Environmental Consultant Telephone #: 805-564-6590
11. Responsible Official: Philip Brown Title: Western Division Manager Telephone #: 805-937-2576
12. Plant Site Manager/Contact: Doug Miller Title: Production Foreman Telephone #: 805-937-2576
13. Type of facility: Oil and Gas
14. General description of processes/products:
    Please refer to the attached project description
15. Does your facility store, or otherwise handle, greater than threshold quantities of any substance on the Section 112(r) List of Substances and their Thresholds (see Attachment A)? [ ] Yes [X] No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [ ] Not Applicable [ ] Yes [X] No
    (If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

* Applications submitted without a filing fee will be returned to the applicant immediately as "improper" submittals

STATIONARY SOURCE SUMMARY
(Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➣ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, LLC	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
Initial SBCAPCD's Regulation XIII Application	8896 R12 & 13427 R4	9/25 & 9/24
Permit Renewal		
Significant Permit Revision*		
Minor Permit Revision*		
Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve: a: [ ] Portable Source [ ] Voluntary Emissions Caps
   [ ] Acid Rain Source [X] Alternative Operating Scenarios
   [ ] Source Subject to MACT Requirements [Section 112]

   b: [ ] None of the options in 1.a. are applicable

2. Is source operating under a Title V Program Compliance Schedule? [ ] Yes [X] No

3. For permit modifications, provide a general description of the proposed permit modification:

*Requires APCD-approved NSR permit prior to a permit revision submittal

TOTAL STATIONARY SOURCE EMISSIONS
(Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, LLC	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario: Please refer to the attached project decrition

POLLUTANT * (name)	EMISSIONS (1) (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS (2) CHANGE (tons per year)
NOx	302.78		3.92
ROC	172.35	NOT APPLICABLE FOR FIRST	18.71
CO	235.94	APPLICATION SUBMITTALS	4.42
SOx	17.24		1.97
PM	3.85		3.77
PM10	3.85		3.77
PM2.5	3.85		3.77

* Emissions for all pollutants for which the source is major and for all NSPS/MACT-regulated air pollutants must be reported. HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

(1) PCEC Orcutt Hill Stationary Source
(2) NAH Orcutt Hill Careage Lease

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	➢ APCD USE ONLY ➢ **APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, LLC	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Steam Generator ATC/PTO Number: PTO 8896-R12
2. Equipment description: 26.5 MMBtu/Hr
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: PLC Industrial Services Model NB 787 SN 2079884
5. Maximum design process rate or maximum power input/output: 26.5 MMBtu/Hr
6. Primary use: Generate steam
7. Burner(s) design, operating temperature and capacity: North American Magna Flame LE 4211-27-3 Low Noxburner
8. Control device(s) type and description (if any): FGR BACT
   9 PPMv NOx, 7 PPM ROC, 27 PPMv CO

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 365 hours/year
2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Produced Field Gas		1100	0.005
PUC Gas		1050	0.005

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➣ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings LLC	**SOURCE NAME:** Newbridge Acquisition Holding LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOx	PM, PM10, PM 2.5
A. Emissions	1.28	0.35	2.32	0.95	0.87
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	➢ APCD USE ONLY ➢ **APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, LLC	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Open Pipe Flare ATC/PTO Number: PTO 8896-R12
2. Equipment description: 28.285 MMBtu/Hr
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: Open Pipe Flare
5. Maximum design process rate or maximum power input/output: 28.285 MMBtu/Hr
6. Primary use: Control of produced gas when TO is down for maintenance
7. Burner(s) design, operating temperature and capacity:
8. Operate 30 days per quarter and 30 days per year

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 720 hours/year
2. Exhaust gas properties (temperature, SCFM, %H_2O, %O2 or %CO_2, % excess air):
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Produced Field Gas	15 MMScf/yr	1200	0.005

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, LLC	SOURCE NAME Newbridge Acquisition Holding LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Thermal Oxidi er ATC/PTO Number: PTO 8896-R12
2. Equipment description: 41.00 MMBtu/Hr
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: Flare Industries CEB 1200
5. Maximum design process rate or maximum power input/output: 41.00 MMBtu/Hr
6. Primary use: BACT Ground flare to combust produced gas
7. Burner(s) design, operating temperature and capacity: device(s) enclosed ground flare, electronic ignition,
8. type and description (if any): 15 PPMv NOx, 10 PPM ROC, 15 PPMv CO @ 3% O2 thermocouple, smokeless BACT

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 365 hours/year
2. Exhaust gas properties (temperature, SCFM, $\%H_2O$, %O2 or $\%CO_2$, % excess air):
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Produced Field Gas	0.725 MMSCF/D	1300	0.005

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, LLC	SOURCE NAME: Newbridge Acquisition Holding LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOx	PM, PM10, PM 2.5
A. Emissions	3.21	0.74	1.95	1.19	3.51
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT
(Form 1302-C1)

APCD: **Santa Barbara County Air Pollution Control District**	➢ APCD USE ONLY ➣ **APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, LLC	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Diesel Emergency Generator ATC/PTO Number:PTO13427-R12
2. Equipment description: Detroit Diesel S 60 Tier 3 EPA Family 9DDXL14.0VLD
3. For piston ICEs: [ ] 2-stroke [ ] 4-stroke [ ] NA
4. Equipment make, model & serial number: Open Pipe Flare
5. Maximum design process rate or maximum power input/output: 490 HP
6. Primary use: Back up power
7. Burner(s) design, operating temperature and capacity:
8. Operate 2 hours per day for maintenance 50 hours /yr and unlimited emergency

II. OPERATIONAL INFORMATION

1. Operating schedule: ____2 ___hours/day 50_hours/year
2. Exhaust gas properties (temperature, SCFM, $\%H_2O$, %O2 or $\%CO_2$, % excess air):

3. Fuel specifications

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft^3./yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
CARB ULSD			0.005

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.
** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT
(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	NOx	ROC	CO	SOx	PM, PM10, PM 2.5
A. Emissions	0.08	0.1	0.07	0.01	0.01
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance ATC/PTO Number: 8896-R12
2. Equipment description:
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
   All solvent and coating emissions will be assumed on the Orcutt Hill stationary source under the Cal Coast Lease PTO 8826
7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts

II. OPERATIONAL INFORMATION

1. Operating schedule: _____ hours/day _____ hours/year
2. Coatings/solvents information:

COATING/ SOLVENT (name)	MANUFACTURER (name)	MAXIMUM USE (gal/day, gal/yr)	VAPOR PRESSURE (mm of Hg)	SOLIDS CONTENT (%)	VOC CONTENT (%)

* Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.

COATING / SOLVENT EMISSION UNIT
(Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

3. Emissions for Emission Unit(s) described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Crude tank Monterey ATC/PTO Number: 8826-R12
2. Equipment description: 1000 bbl Gauge Tank Located in Section 32
3. Equipment make, model & serial number: T-4132 Year constructed:
4. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude Oil	1.945		Ambient	1.533E+6

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 42000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.11				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Wash tank ATC/PTO Number: 8826-R12
2. Equipment description: 1500 BBl Wash Tank Monterey Production
3. Equipment make, model & serial number: T-4064 Year constructed:
4. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude Oil	1.55		Ambient	9.58E+6

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 63000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.01				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Produced water tank ATC/PTO Number: 8826-R12
2. Equipment description: 2000 BBl Wash Tank Monterey Production
3. Equipment make, model & serial number: T-4171 Columbia Tech Tank Year constructed:
4. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Produced water			Ambient	N/A
Secondary Service				

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

692 ft2

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other:
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 29.7 ft Paint color: Medium Grey
   Capacity: 2000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.08				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Crude Tank Number 1 and 2 ATC/PTO Number: 8826-R12
2. Equipment description: 1000 BBl Wash Tank Monterey Production
3. Equipment make, model & serial number: T-4103& T-4337 Year constructed:
4. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude Oil 1	1.55		Ambient	9.58E+6
Crude Oil 2	1.55		Ambient	9.58+6

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 42000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.11 & 0.11				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Crude Tank Number 1 & 2 ATC/PTO Number: 8826-R12
2. Equipment description: 1000 BBl Crude Tank Diatomite Production
3. Equipment make, model & serial number: T-403& T-402 Tiger Tanks Year constructed:
4. Control device(s) type and description (if any): VRU
   Refer to page 12 in equipment list for additional datail

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude Oil 1	1.17		150	1.533 E+07
Crude Oil 2	1.17		150	1.533 E+07

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 42000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.09 & 0.09				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Wash Tank ATC/PTO Number: 8826-R12
2. Equipment description: 1000 BBl Wash Tank Diatomite Production
3. Equipment make, model & serial number: T-400 Tiger Tanks Year constructed:
4. Control device(s) type and description (if any): VRU
   Refer to page 11 in equipment list for additional detail

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Crude Oil 1	1.17		150	1.533 E+07

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 42000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.00				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Produced Water Tank ATC/PTO Number: 8826-R12
2. Equipment description: 1000 BBl Wash Tank Diatomite Production
3. Equipment make, model & serial number: T-401 Tiger Tanks Year constructed:
4. Control device(s) type and description (if any): VRU
   Refer to page 11 in equipment list for additional detail

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw material used or processed:

ORGANIC LIQUID (material name)	TRUE VAPOR PRESSURE (psia)	BOILING POINT (°F)	STORAGE TEMPERATURE (°F)	ANNUAL LIQUID THROUGHPUT (gals/year)
Produced water				

3. Throughput profile (% of total): 25 Jan-Mar 25 April-June 25 July-Sep 25 Oct-Dec

III. TANK DESIGN AND SPECIFICATIONS

1. Tank design: [ ] Floating Roof (external) [ ] Floating Roof (internal) [X] Fixed Roof
   [ ] Underground [ ] Pressure Vessel [ ] Other: _____
2. Tank specifications: Max Fill Rate: _____ gals/hr Max Withdrawal: _____ gal/hr
   Height: 16 ft Vapor Space: _____ ft
   Diameter: 21.5 ft Paint color: Medium Grey
   Capacity: 42000 gal
3. Shell type: [ ] Gunited [ ] Riveted [X] Welded [ ] Other: _____

ORGANIC LIQUID STORAGE UNIT
(Form 1302-E2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [ ] Pan [ ] Pontoon [ ] Other:

5. Tank Seals: [ ] Single Seal [ ] Double Seal

Primary Seal Shoe Type:
[ ] Metallic Shoe
[ ] Vapor Mounted Resilient Seal
[ ] Liquid Mounted Resilient Seal
[ ] Wiper Seal
[ ] Other: _____

Secondary Seal Shoe Type:
[ ] Shoe Mounted Wiper Seal
[ ] Rim Mounted Wiper Seal
[ ] Weathershield
[ ] Other: _____

6. Emissions for Emission Units described on page(s):

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.04				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Separators
2. Equipment type*: Oil and Gas Separators
3. Equipment description*: Please refer to pages 3-4, 6, & 14 of the attached equipment list for details ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Pumps
2. Equipment type*: Oil and Gas Pumps
3. Equipment description*: Please refer to pages 7-8, 11, 12, 13, 16, 17, and 18 of the attached equipment list for details
   ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Monterey Oil and Gas Wells
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 73 Producing and idle wells ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 ____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Monterey Well Cellars
2. Equipment type*: Well Cellars
3. Equipment description*: 732 Ft2 ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Diatomite Oil and Gas Wells
2. Equipment type*: Oil and Gas Well
3. Equipment description*: 49Producing and idle wells ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: 1000 bbl/D Oil & 0.350 Mscf/D gas
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 ____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Monterey Fugitives
2. Equipment type*: Valves Flanges etc
3. Equipment description*: Please refer to page 10 of attached equipment list ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	11.909				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Diatomite Fugitives
2. Equipment type*: Valves Flanges etc
3. Equipment description*: Please refer to page 17 of attached equipment list ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.53				
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Monterey LACT
2. Equipment type*: LACT Transfer System
3. Equipment description*: ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 ____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	**FEED RATE or CONSUMPTION RATE or OTHER PARAMETER****	**FINISHED PRODUCTS PRODUCED** (name)	**PRODUCTION RATE*** (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➣ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Gas Gathering Compressors
2. Equipment type*: Electric Compressors
3. Equipment description*:Compressors ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any):
   a. 1.- Frick primary gas compressor electric 200 HP
   b. 1 - Clark backup compressor electric 125 HP.
   c. 1 - Gas Gathering Compressor 15 HP @ Section 32

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 ____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT
(Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

I. EMISSION UNIT DESCRIPTION

1. General process description: Loading Rack
2. Equipment type*: Monterey & Diatomite Crude Loading Rack
3. Equipment description*: ATC/PTO Number: 8896 R12
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: 160 bbl/Hr 3000 bbl/d 365,000 bbl/yr Diatomite
   625 BBL/D 228,125 BBl/Yr Monterey
6. Control device(s) type and description (if any): VRU

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 ____ hours/year
2. Exhaust gas flow rate: _____ SCFM @ _____ $\%H_2O$
3. Raw products used and finished products produced:

RAW PRODUCT USED (name)	FEED RATE or CONSUMPTION RATE or OTHER PARAMETER**	FINISHED PRODUCTS PRODUCED (name)	PRODUCTION RATE* (lbs/hr, gal/hr, etc.)

*** Equipment may be grouped on a single form if it is of the same type and if the emissions are calculated the same way.**

**** Choose parameters to allow determination of applicability of federal requirements (e.g. lbs/hr, gallons/hr, tons/yr)**

GENERAL EMISSION UNIT
(Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➢ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

4. Emissions for Emission Units described on page(s): all emissions are fugitive and included in fugitive emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC	ROC			
A. Emissions	0.24 Diatomite	0.14 Monterey			
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)[4]					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions[1]					
C. Emission Change[2]					
D. Emission Limit[3]					

1 For permit revisions only; emissions prior to project modification.
2 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
3 For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.
4 HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD:	➢ APCD USE ONLY ≺
Santa Barbara County Air Pollution Control District	APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: ~~Newbridge Acquisition Holdings, LLC Orcutt~~ Field Careaga Lease

I. EQUIPMENT DESCRIPTION

1. General process description: Sulfur Removal Vessel Monterey
2. Equipment type: Fixed Bed Reactor Vessels 1 & 2 ATC/PTO Number: 8896-R12
3. Equipment description: 10' Diameter X 20' High Vertical
4. Equipment make, model & serial number:
5. Emission unit(s) served by this equipment: Fuel burning equipment
6. Maximum design or rated capacity: = or < 50 ppmv H2S

II. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____°F Flow Rate: _____ SCFM
   Moisture: _____% Oxygen: _____ %
   CO_2: _____%
2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F
3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3
   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F
4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:
5. ESP data: Number of fields: Cleaning Method:
   Power Input:
6. Scrubber data: Type/design: Sorbent Type:
7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

APCD:	➢ APCD USE ONLY ➢
Santa Barbara County Air Pollution Control District	**APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device: Sulfa Scrub Type Media
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
S	796 PPM	50 PPM	

1 Specify percent O2 or percent CO2.

2 Provide information adequate to determine efficiency of control.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD:	➢ APCD USE ONLY ≺
Santa Barbara County Air Pollution Control District	APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: ~~Newbridge Acquisition Holdings, LLC Orcutt~~ Field Careaga Lease

I. EQUIPMENT DESCRIPTION

1. General process description: Sulfur Removal Vessel Diatomite
2. Equipment type: S Removal Vessels 1 & 2 ATC/PTO Number: 8896-R12
3. Equipment description: 10' Diameter X 13.66 High Vertical
4. Equipment make, model & serial number:
5. Emission unit(s) served by this equipment: Fuel burning equipment
6. Maximum design or rated capacity: = or < 50 ppmv H2S

II. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____°F Flow Rate: _____ SCFM
   Moisture: _____% Oxygen: _____ %
   CO_2: _____%
2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F
3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3
   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F
4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:
5. ESP data: Number of fields: Cleaning Method:
   Power Input:
6. Scrubber data: Type/design: Sorbent Type:
7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

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III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device: Sulfa Scrub Type Media
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
S	796 PPM	50 PPM	

1 Specify percent O2 or percent CO2.

2 Provide information adequate to determine efficiency of control.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD: **Santa Barbara County Air Pollution Control District**	**➢ APCD USE ONLY ≺** **APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** ~~Newbridge Acquisition Holdings, LLC Orcutt~~ Field Careaga Lease

I. EQUIPMENT DESCRIPTION

1. General process description: Vapor Recovery System
2. Equipment type: Compressor ATC/PTO Number: 8896-R12
3. Equipment description: 5 HP
4. Equipment make, model & serial number:
5. Emission unit(s) served by this equipment: Gauge Tank
6. Maximum design or rated capacity: 95 % vapor collection efficiency

II. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____°F Flow Rate: _____ SCFM
   Moisture: _____% Oxygen: _____ %
   CO_2: _____%
2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F
3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3
   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F
4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:
5. ESP data: Number of fields: Cleaning Method:
   Power Input:
6. Scrubber data: Type/design: Sorbent Type:
7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

APCD:	➢ APCD USE ONLY ➢
Santa Barbara County Air Pollution Control District	**APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device: Sulfa Scrub Type Media
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
VOC			95 %

1 Specify percent O2 or percent CO2.

2 Provide information adequate to determine efficiency of control.

EMISSION CONTROL UNIT
(Form 1302-G1)

APCD:	➢ APCD USE ONLY ≺
Santa Barbara County Air Pollution Control District	APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	SOURCE NAME: ~~Newbridge Acquisition Holdings, LLC Orcutt~~ Field Careaga Lease

I. EQUIPMENT DESCRIPTION

1. General process description: Vapor Recovery System Monterey & Diatomite 1 & 2
2. Equipment type: Compressor C-3100 & 3200 ATC/PTO Number: 8896-R12
3. Equipment description: 50 HP Rotary Screw
4. Equipment make, model & serial number: Leroi HG 12281
5. Emission unit(s) served by this equipment: Monterey & Diatomite Tanks
6. Maximum design or rated capacity: 95 % vapor collection efficiency

Please refer to pages 9 & 10 in the equipment list or detail

II. EQUIPMENT DESIGN INFORMATION

1. Exhaust gas: Temperature: _____°F Flow Rate: _____ SCFM
   Moisture: _____% Oxygen: _____ %
   CO_2: _____%
2. General: Manufacturer: _____ Pressure Drop: _____ in-Hg
   Inlet Temp.: _____ °F Outlet Temp.: _____ °F
3. Catalyst data: Catalyst Type/Material: _____
   Catalyst Life: _____ years Volume: _____ Ft^3
   Space Velocity: _____ Ft^3/Ft NH3 inj. Rate: _____ gal/hr
   NH3 Inj. Temp.: _____ °F
4. Baghouse data: Design: [ ] Positive Pressure [ ] Negative Pressure
   Cleaning Method:
   Fabric Material:
   Flow Rate: _____ SCFM Air/Cloth Ratio:
5. ESP data: Number of fields: Cleaning Method:
   Power Input:
6. Scrubber data: Type/design: Sorbent Type:
7. Other Control Devices (include design information adequate to verify efficiency):

EMISSION CONTROL UNIT
(Form 1302-G2)

APCD:	➢ APCD USE ONLY ➢
Santa Barbara County Air Pollution Control District	**APCD IDS Processing ID:**
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Raw products used by control device: Sulfa Scrub Type Media
3. Operating information:

POLLUTANTS AND EMISSION CONTROL INFORMATION

POLLUTANT (name)	INLET CONCENTRATION[2] (ppm or gr/DSCF[1])	OUTLET CONCENTRATION[2] (ppm or gr/DSCF[1])	CONTROL EFFICIENCY[2] (% by weight)
VOC			95 %

1 Specify percent O2 or percent CO2.

2 Provide information adequate to determine efficiency of control.

EXEMPT EMISSIONS UNITS
(Form 1302-H)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings, Inc	**SOURCE NAME:** Newbridge Acquisition Holdings, LLC Orcutt Field Careaga Lease

Are you claiming any emitting activities to be insignificant? (See definition at bottom of page)

YES X **NO** _____ Please referto pages 25-33 in the attached equipment list for exempt equipment

I. ACTIVITIES CLAIMED TO BE INSIGNIFICANT (Attach supporting calculations)

Activity	Description of Activity/Emission Units	Potential to Emit for each Pollutant
Solvent & Coating		0.1 T

Insignificant activities are defined in APCD Rule 1301 (definitions). For an activity to be considered insignificant emissions cannot exceed 2 tons per year potential to emit (PTE) any criteria pollutants, and 0.5 tons per year for any regulated HAP.

Note: Insignificant activities are not exempt from Part 70 requirements/permits.

COMPLIANCE PLAN
(Form 1302-I1)

APCD:	➢ APCD USE ONLY ≺
Santa Barbara County Air Pollution Control District	APCD IDS Processing ID:
COMPANY NAME: Newbridge Acquisition Holdings	SOURCE NAME: Newbridge Acquisition Holdings Orcutt Field Careaga Lease

I. PROCEDURE FOR USING FORM 1302-I

☞ This form shall be submitted as part of the SBCAPCD's Regulation XIII Application. The Responsible Official shall identify the applicable federal requirement(s) to which the source is subject. In the Compliance Plan (Form 1302-I), a Responsible Official shall identify whether the source identified in the SBCAPCD's Regulation XIII Application currently operates in compliance with all applicable federal requirements.

II. APPLICABLE FEDERAL REQUIREMENTS

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance?	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]		(yes/no/exempt[3])	
APCD Rule 301	Circumvention	Entire Source	Yes	in effect
APCD Rule 302	Visible Emissions	Entire Source	Yes	in effect
APCD Rule 303	Nuisance	Entire Source	Yes	in effect
APCD Rule 304	Particulate Matter – Northern Zone	Each PM Source	Yes	in effect
APCD Rule 309	Specific Contaminants	All emission units	Exempt – Per Rule 309.G, does not apply to IC engines	in effect
APCD Rule 311	Sulfur Content of Fuel	All combustion units	Yes	in effect
APCD Rule 317	Organic Solvents	Emission units using solvents	Yes	in effect
APCD Rule 321	Solvent Cleaning Operations	Emission units using solvents	Yes	in effect
ADCD Rule 322	Metal Surface Coating Thinner and Reducer	Emission units using solvents	Yes	in effect
APCD Rule 323	Architectural Coatings - Standards	Paints used in maintenance and surface coating activities	Yes	in effect
APCD Rule 324	Disposal and Evaporation of Solvents	Emission units using solvents	Yes	in effect
APCD Rule 325	Crude Oil Production and Separation	Wash Tank, crude storage tanks, wastewater tanks	Yes	in effect
APCD Rule 331	Fugitive Emissions Inspection & Maintenance	All components (valves, flanges, seals, compressors and pumps) used to handle oil and gas	Yes	in effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance?	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]		(yes/no/exempt[3])	
APCD Rule 333	Control of Emissions from Reciprocating IC Engines	IC engine Dev. E Gen IC engine with a rated brake horsepower of 50 or greater Emergency only < 50 hrs per year	Yes	in effect
APCD Rule 342	Control of Oxides of Nitrogen (NOx) from Boilers, Steam Generators and Process Heaters	Steam Generators	Yes	in effect
APCD Rule 343	Petroleum Storage Tank Degassing	Wash tanks, crude storage tanks, and wastewater tanks used in storage of organic liquids with a capacity of more than 50,000 gal and vapor pressure > 2.6 psia, or between 20,000 – 40,000 gal with vapor pressure > 3.9 psia	Yes	in effect
APCD Rule 344	Petroleum Wells, Sumps and Cellars	Well cellars, sump, wastewater pits	Yes	in effect
APCD Rule 346	Loading of Organic Liquids	Crude oil loading racks – out of service	Yes	in effect
APCD Rule 353	Adhesives and Sealants	Emission units using adhesives and solvents	Yes	in effect
APCD Rule 360	Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers	Any new small boiler installed at the facility	Yes	in effect
APCD Rule 505.A, B1, D	Breakdown Conditions	All emission units	Yes	in effect
APCD Rule 603	Emergency Episode Plans	Entire Source	Yes	in effect
APCD Regulation VIII	New Source Review	Entire Source	Yes	in effect
APCD Regulation XIII (Rules 1301-1305)	Part 70 Operating Permits	Entire Source	Yes	in effect
40 CFR Parts 51/52	New Source Review (Nonattainment Area Review and Prevention of Significant Deterioration)	Entire Source	Yes	in effect
40 CFR Part 60 Subpart A	General Provisions - New Source Performance Standards	Entire Source	Yes	in effect
40 CFR Part 60 Subpart Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Steam Generators	Exempt - Exempt from SO2 and PM limits because the steam generators are only fired on natural gas	in effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance?	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]		(yes/no/exempt[3])	
40 CFR Part 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	Storage vessels for petroleum liquids constructed or modified prior to July 23, 1984	Exempt	in effect
		Any new or replacement tanks constructed or modified after July 23, 1984	Yes	in effect
40 CFR Part 60 Subpart OOOOa And CCR Title 17, Division 3, Chapter 1, Subchapter 10	Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change	Careaga Lease	Yes	in effect
40 CFR Part 63	Maximum Achievable Control Technology	Careaga Lease	Exempt – Per §63.760(e)(2) based on the facility throughput of less than 18,400 standard cubic meters of gas per day	in effect
		Careaga Lease	Exempt - Per §63.760(e)(1) based on "black oil" production	in effect
40 CFR Part 63 Subpart HH	National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Careaga Lease	Exempt – not a major source of HAPs	in effect
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	All stationary reciprocating internal combustion engines	Yes	in effect
40 CFR Part 64	Compliance Assurance Monitoring	Careaga Lease	Exempt - all emission units have a pre-control emission potential less than 100 TPY	in effect
				in effect

Applicable Federal Requirement[1]		Affected Emission Unit	In compliance?	Effective Date[4]
Regulatory Reference[2]	Regulation Title[2]		(yes/no/exempt[3])	
40 CFR Part 70	Operating Permits	Entire Source	Yes	in effect

[1] Review APCD SIP Rules, NSPS, NESHAPS, and MACTs·

[2] Regulatory Reference is the abbreviated citation (e.g. 40 CFR 60 Subpart OOO, APCD Rule 325.H) and Title is the prosaic title (e.g. NSPS Standards of Performance for Nonmetallic Mineral Processing Plants, Crude Oil Production and Separation, Inspection)

[3] If exempt from applicable federal requirement, include explanation for exemption.

[4] Indicate the date during the permit term that the applicable federal requirement will become effective for the emission unit.

COMPLIANCE PLAN
(Form 1302-I2)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ➣ APCD IDS Processing ID:
COMPANY NAME:	SOURCE NAME:

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) with which the source is in compliance identified in form 1302-I1;

Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with the future-effective applicable federal requirement(s) identified in form 1302-I1, on a timely basis[1];

Based on information and belief formed after reasonable inquiry, the source identified in this application is not in compliance with the applicable federal requirement(s), identified in form 1302-I1, and I have attached a compliance plan schedule.[2]

P. Bonelli — 12/11/2022

Signature of Responsible Official — Date

1. Unless a more detailed schedule is expressly required by the applicable federal requirement.
2. At the time of expected permit issuance, if the source expects to be out of compliance with an applicable federal requirement, the applicant is required to provide a compliance schedule with this application, with the following exception. A source which is operating under a variance that is effective for less than 90 days need not submit a Compliance Schedule. For sources operating under a variance, which is in effect for more than 90 days, the Compliance Schedule is the schedule that was approved as part of the variance granted by the hearing board.

   The compliance schedule shall contain a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with this applicable federal requirement. For sources operating under a variance, the compliance schedule is part of the variance granted by the hearing board. The compliance schedule shall resemble, and be at least as stringent as that contained in any judicial consent decree or administrative order to which the source is subject. For sources not operating under a variance, consult the Air Pollution Control Officer regarding procedures for obtaining a compliance schedule.

CERTIFICATION STATEMENT
(Form 1302-M)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME:	SOURCE NAME:

Identify, by checking off below, the forms and attachments that are part of your application. If the application contains forms or attachments that are not identified below, please identify these attachments in the blank space provided below. Review the instructions if you are unsure of the forms and attachments that need to be included in a complete application.

Forms included with application

___ Stationary Source Summary Form
___ Total Stationary Source Emission For
- ___ Compliance Plan Form
___ Compliance Plan Certification Form
___ Exempt Equipment Form
___ Certification Statement Form

List other forms or attachments

_____
_____
_____
_____

[ ] check here if additional forms listed on back

Attachments included with application

___ Description of Operating Scenarios
___ Sample emission calculations
___ Fugitive emission estimates
___ List of Applicable requirements
___ Discussion of units out of compliance with applicable federal requirements and, if required, submit a schedule of Compliance
___ Facility schematic showing emission points
___ NSR Permit
___ PSD Permit
___ Compliance Assurance monitoring protocols
___ Risk management verification per 112(r)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, that the information contained in this application, composed of the forms and attachments identified above, are true, accurate, and complete.

I certify that I am the responsible official, as defined in SBCAPCD's Regulation XIII, Rule 1301 or USEPA's 40 CFR Part 70.

P. Brown — 12/11/2022

Signature of Responsible Official — **Date**

Print Name of Responsible Official: PHILIP BROWN

Title of Responsible Official and Company Name: SNR VP OPERATIONS

CERTIFICATION STATEMENT
(Form 1302-M continued)

APCD: Santa Barbara County Air Pollution Control District	➢ APCD USE ONLY ≺ APCD IDS PROCESSING ID:
COMPANY NAME:	SOURCE NAME:

List Other Forms or Attachments (cont.)

_____

_____

_____

_____

_____

_____

_____

_____

REVIEW OF D PTO 8896-R12

Newbridge would like to work with the District to write an accurate permit in order to comply with all the requirements. One concept would request that format of PTO 8896 be revised to be the same as PTO 8240. For instance, the permit could be better understood by the user if the equipment were grouped by Diatomite or Monterey, it is understood that there is some shared equipment such as the vapor recovery compressor, thermal oxidizer and flare, but, the compressors are located int eh Diatomite gas plant. A copy of process flow diagrams has been included to assist with this effort.

1. Permit Condition 2 Steam Generator -100 Emissions

It is noted throughout the permit that the lb/MMBtu emission rate is incorrect for NOx, ROC, and CO. Using the Districts emission calculation spreadsheet, the rates should be:

NOx = 0.0110

ROC = 0.0030

CO = 0.0200

Whereas the permit Sites:

NOx = 0.0101

ROC = 0.0027

CO = 0.0185

Newbridge wants an accurate permit to be able to comply with all the requirements. This correction needs to be made in the Permit Condition 1, the emission calculations and emission summary.

2. Permit Condition 2.a.i. Monterey Equipment Operational Restrictions

Upon review of the Monterey production, the permit lacks the ability to ship the Monterey crude through a loading rack. There is a production limit of 625 barrels of oil per day in the permit, but no option to load. The Permit Evaluation page 2 says that the loading rack is shared. Section 2.4 Reasonable Worst-Case Scenario includes 625 bbls of Monterey crude and Section 2.9 Monitoring Requirements requires daily monitoring of the volume of oil produced and shipped for both the Monterey and the Diatomite oil.

Permit Condition 3.c.i., allows for 3000 barrels per day and 365,000 barrels per year. It appears that the annual throughput is based on the Diatomite allowable throughput of 1000 bbls per day. The 1000 bbls was approved through the EIR and has correctly been calculated in the PTO. Newbridge is requesting that the original Monterey throughput at the loading rack be added back to the permit. This volume would be considered legal non-conforming, and it was not part of the Diatomite EIR.

Upon review of the emission calculations in Attachment A, the shared loading rack calcs are based on the characteristics of the Diatomite crude and the approved loading rates.

To be compliant, Newbridge is requesting that the actual through put loading limit for the Monterey production be added back to the permit. This should be based on a daily maximum of the 1000 bbls which equals the shipping tank and limited to 228,125 bbls per year on 625 barrels per day which is the historic limit for the Monterey production. This volume needs to be added to Permit Condition 2.c.i.

3. Permit Condition 2.c.i. Shared Equipment Operational Restrictions

As mentioned in comment number 2, please add the loading rack limits for the Monterey production to the condition.

4. Permit Condition 2.c.vii & viii. NAH will not use the well testing equipment that includes the tanks, carbon cannister and loading. The AWT will be used in place of the tanks and carbon canisters. Please delete the testing conditions.
5. Permit Condition 3.a. Monterey Equipment Monitoring, Condition 4.a.i Recordkeeping, and Condition 5.a.i. Reporting

It should be noted that in support of the returning the Monterey loading rack throughput to the permit, the conditions sited above requires the production to be measured through calibrated meters. This is further evidence that the volume of Monterey oil is not included in the Diatomite loading totals.

Newbridge is requesting that the recordkeeping and reporting of all production and fuel be made on a monthly basis. All other permit on Orcutt Hill report on a monthly, quarterly and annual basis for all oil and gas and fuel combustion. Our goal is to have permits that have similar requirements. If the District agrees to modify the monitoring and reporting from daily to monthly, please revise the discussion in the Permit Evaluation accordingly.

6. Permit Condition 3.c. iv. As discussed in comment 4, NAH will not be using the well testing equipment, please delete this condition
7. Permit Condition 4 Recordkeeping
   4.a.i. Please revise the condition to require that the volume of oil produced is recorded monthly and number of days that oil was produced.

   4.a.iv and v If the District agrees with comment 7 below, please delete the two monitoring requirements.

   4.b.i. Please revise the condition to require that the volume of oil produced is recorded monthly and number of days that oil was produced.

   4.b.iii. Please revise the condition to require the volume of produced gas and PUC gas combusted in the steam generator to be recorded monthly and the number of days per month that the steam generator operated per month.

   4.b.vi and vii If the District agrees with comment 7 below, please delete the two monitoring requirements.

   4.c.i. Please revise the condition to require the volume of produced gas and PUC gas combusted in the thermal oxidizer to be recorded monthly and the number of days per month that the thermal oxidizer operated.

   4.c.iii. Please revise the condition to require the volume of produced gas and PUC gas combusted in the flare to be recorded monthly and the number of days per month that the flare operated.

   4.c.vii & viii. Please delete the two conditions. This equipment for well testing will not be used.

4.c. xi. Please revise the condition to require the volume of oil shipped from the loading rack to be recorded monthly and the number of days per month that loading occurred.

8. Permit Condition 5 Reporting

Newbridge is requesting that the reporting of all production and fuel be made on a monthly basis. All other permit on Orcutt Hill report on a monthly, quarterly and annual basis for all oil and gas and fuel consumption. Our goal is to have permits that have similar requirements, if Careaga is to be reported in the same report as PCEC Orcutt Hill, reporting similarities are important.

5.a.i. Please revise the condition to require the volume of oil produced to be reported monthly and totaled for the reporting period and the year.

5.a.v and vi If the District agrees with comment 7 below, please delete the two reporting requirements.

5.b.i. Please revise the condition to require the volume of oil produced to be reported monthly and totaled for the reporting period and the year.

5.b.iii. Please revise the condition to require the volume of produced gas and PUC gas combusted in the steam generator to be reported monthly and totaled for the reporting period and the year.

5.b.vi and vii. If the District agrees with comment 7 below, please delete the two reporting requirements.

5.c.i. Please revise the condition to require the volume of produced gas and PUC gas combusted in the thermal oxidizer to be reported monthly and totaled for the reporting period and the year.

5.c.iii. Please revise the condition to require the volume of produced gas and PUC gas combusted in the flare to be reported monthly and totaled for the reporting period and the year.

5.c.v., vi, vii, please delete the three conditions. This equipment for well testing will not be used.

5.c. viii. Please revise the condition to require the volume of oil shipped from the loading rack to be reported monthly and totaled for the reporting period and the year.

5.c. xi. Please confirm that the fuel flow meters that are referred to in this condition are for the Steam Generator, the Thermal Oxidizer and the Flare.

9. Permit Condition 9 Hydrogen Sulfide Media

Newbridge is requesting that this condition is deleted from the permit. This should be an engineering decision that is made in the field between operations and chemical suppliers. It remains the obligation of Newbridge to comply. Newbridge can use the expertise that PCEC has in controlling sulfur in the fuel gas; PCEC has much lower limit and has been very successful over more than 15 years of compliance.

In addition, in the recent years there are problems in the supply chain, chemicals are not always available. Requiring Newbridge to wait for approval could cause unnecessary problems to effectively control the fuel sulfur limit. The District is considering the Careaga Lease to be part of the Orcutt Hill stationary source currently owned and operated by PCEC. Not only is this condition not included in their permit, PCEC has never exceeded the sulfur limit.

10. Permit Condition 16 Operational Increment Fee. Please update the condition to refer to Newbridge Acquisition Holdings
11. Page 1 of 9 Permit Evaluation 1.0 Background. The last sentence 3rd paragraph, please revise Newbridge Resources to Newbridge Acquisition Holdings.
12. Page 2 of 9 Permit Evaluation 2.1 Equipment/Process: Second paragraph Please delete the last sentence, the pipeline was not constructed from Laguna Sanitation
13. Page 4 of 9 Permit Evaluation. Please correct the lb/MMBtu emission factors for the Steam Generator to:

    NOx = 0.0110

    ROC = 0.0030

    CO = 0.0200

14. Page 4 of 9 Permit Evaluation Section 2.4.
    a. Please delete the use of the well test equipment (bullet 8).
    b. Please add 625 BBLs of Monterey crude through the loading rack.
    c. Please correct the maximum rate through the thermal oxidizer to 0.725 MMscf
15. Page 5 of 9 Permit Evaluation 2.6 Special Calculations states that the flare emissions are based on 20 days per calendar quarter but is allowed to operate 30 days per year. The emission calculations are based on 30 days per year.
16. Page 5 of 9 Permit Evaluation Section 3.5. Please revise Newbridge Resources to Newbridge Acquisition Holdings.
17. Table 1 Permitted Potential to Emit

Please update the emissions table to include the corrected steam generator, thermal oxidizer, Monterey oil loading emissions, and the deletion of the well testing equipment.

18. Attachment A Thermal Oxidizer Emission Calculations

    The emission calculation for the Thermal Oxidizer is incorrect. The unit is rated at 41 MMBtu/Hr, as correctly discussed throughout the permit. The current calculations limit it to 32.725 MMBtu/hr. Sometimes the fuel rate is 0.700 Mscf and other times it is 0.700 MMscf. Below are the specifications for the CEB 1200 that was designed for the Careaga Facility. The page from the CEB 1200 Manual is included with this submittal

The CEB-1200 is designed according to the following process specifications as defined by the customer:

Maximum Flow Rate: 725 MSCFD
Minimum Flow Rate: 150 MSCFD
Inlet Temperature: 40 - 200°F
Inlet Pressure: 3 PSI
Calculated Gas HV: 1371 BTU/SCF
Waste Gas Composition
Diatomite (Mole %):
Methane 51.66%, Ethane 6.04%,
Propane 5.58%, i-Butane 1.11%,
n-Butane 3.33%, i-Pentane 1.36%,
n-Pentane 1.51%, Hexane +

4.84%, Nitrogen 13%, Oxygen
0.31%, Carbon Dioxide 11.26%

19. Table A Equipment List
Please refer to the attached updated equipment list.

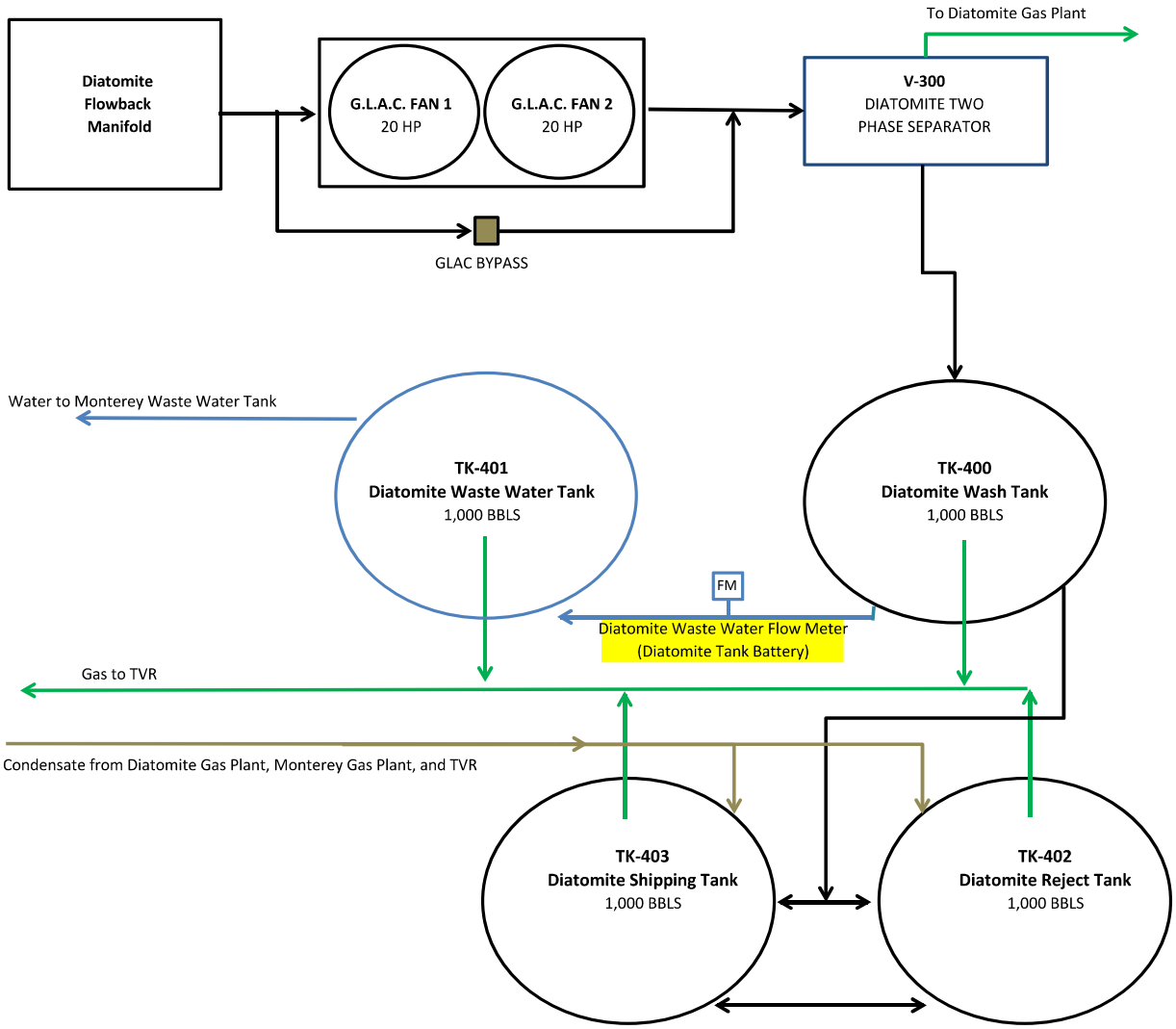
There are two compressors in the Monterey gas plant and one Monterey gas gathering compressor that are not included in the equipment list.

a. 1.- Frick primary gas compressor electric 200 HP
b. 1 - Clark backup compressor electric 125 HP.
c. 1 - Gas Gathering Compressor 15 HP @ Section 32

CAREAGA LEASE PROCESS FOLOW DIAGRAMS

Diatomite Tank Battery Process Flow Diagram

(3/2021)



NOTE: All pumps in Diatomite Tank Battery are listed below. They are not shown on the process flow diagram.

- P400 (7 HP)
- P401 (5 HP)
- P402 (15 HP)
- P403 (10 HP)
- Diatomite Bottoms Pump (1.5 HP)

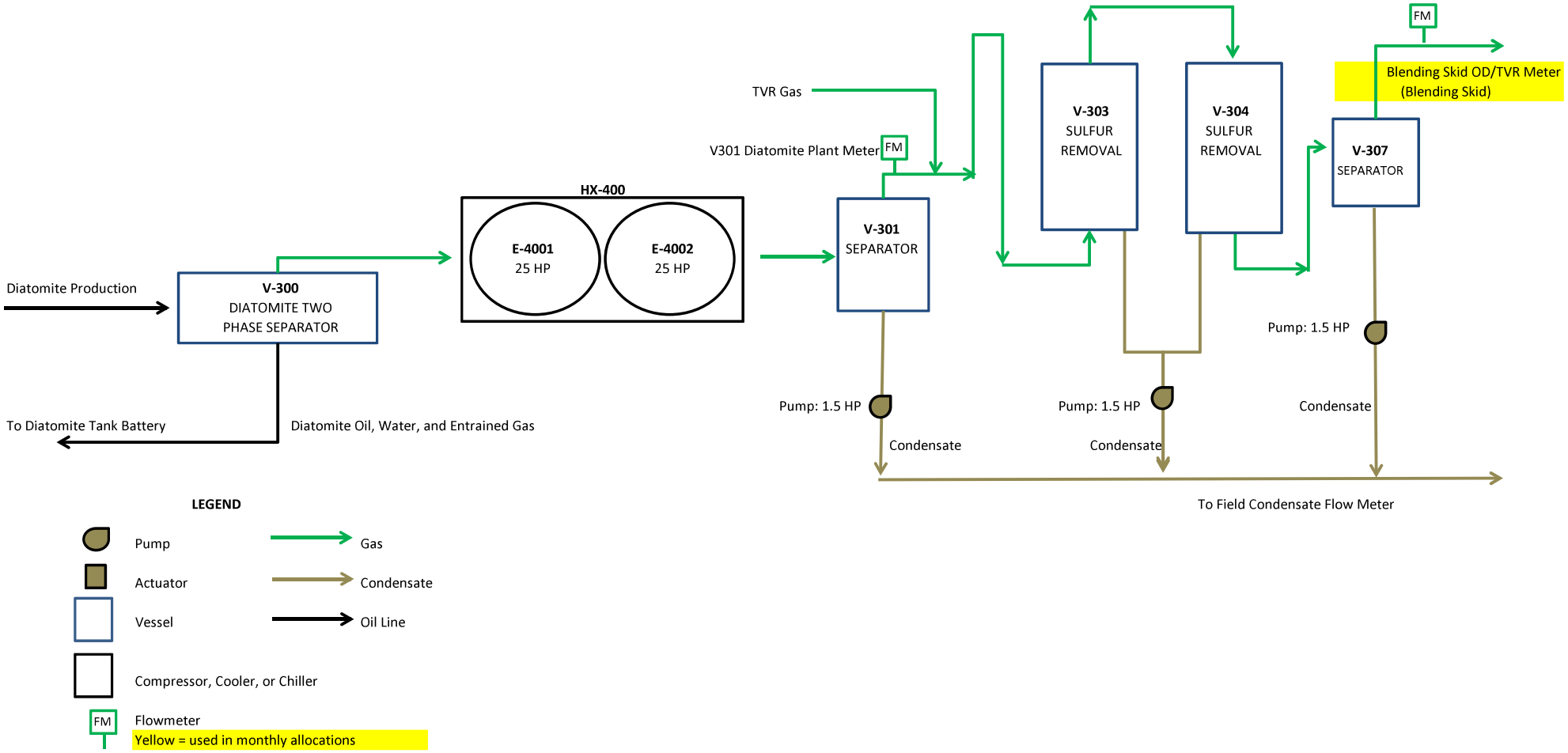
LEGEND

- Pump
- Actuator
- Oil Tank
- Water Tank
- Vessel
- Compressor, Cooler, or Chiller
- FM Flowmeter
  Yellow = used in monthly allocations
- Oil Line
- Water Line
- Gas Line
- Condensate Line

S:\Job Files\Files\JOBS\Newbridge\PFDs\211209 Careaga Facility Process Flow Diagram

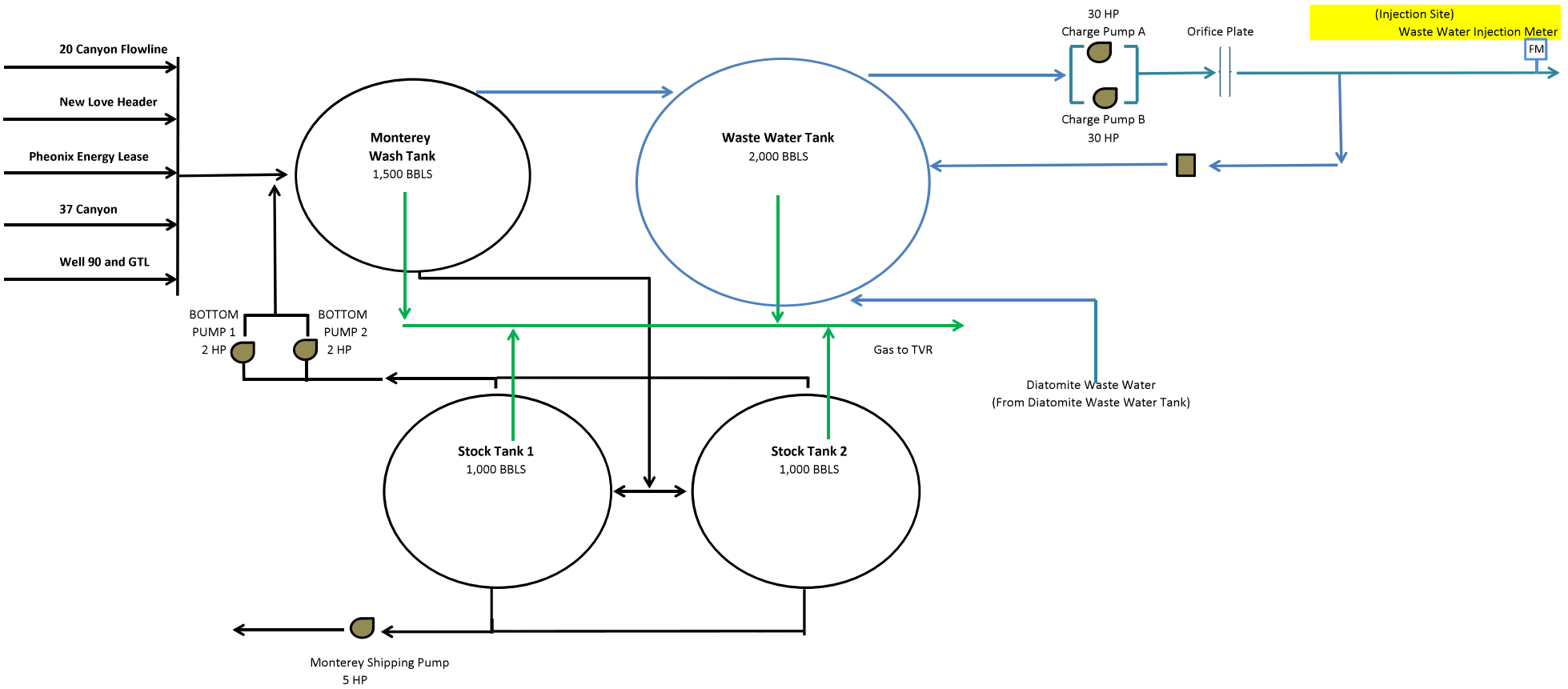
Diatomite Gas Plant Process Flow Diagram

(3/2021)



Monterey Tank Battery Process Flow Diagram

(3/2021)



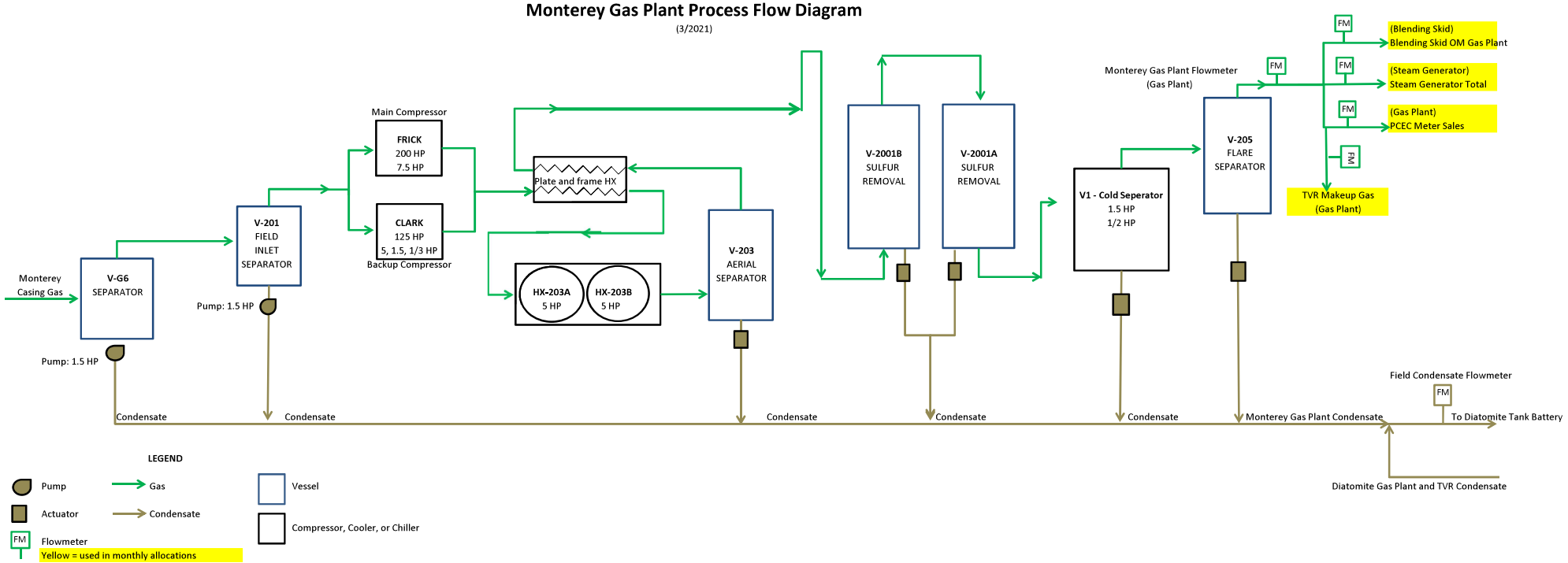
LEGEND

- Pump
- Actuator
- Oil Tank
- Water Tank
- FM Flowmeter
- Yellow = used in monthly allocations
- Oil Line
- Water Line
- Gas Line
- Orifice Plate

S:\Job Files\Files\JOBS\Newbridge\PFDs\211209 Careaga Facility Process Flow Diagram

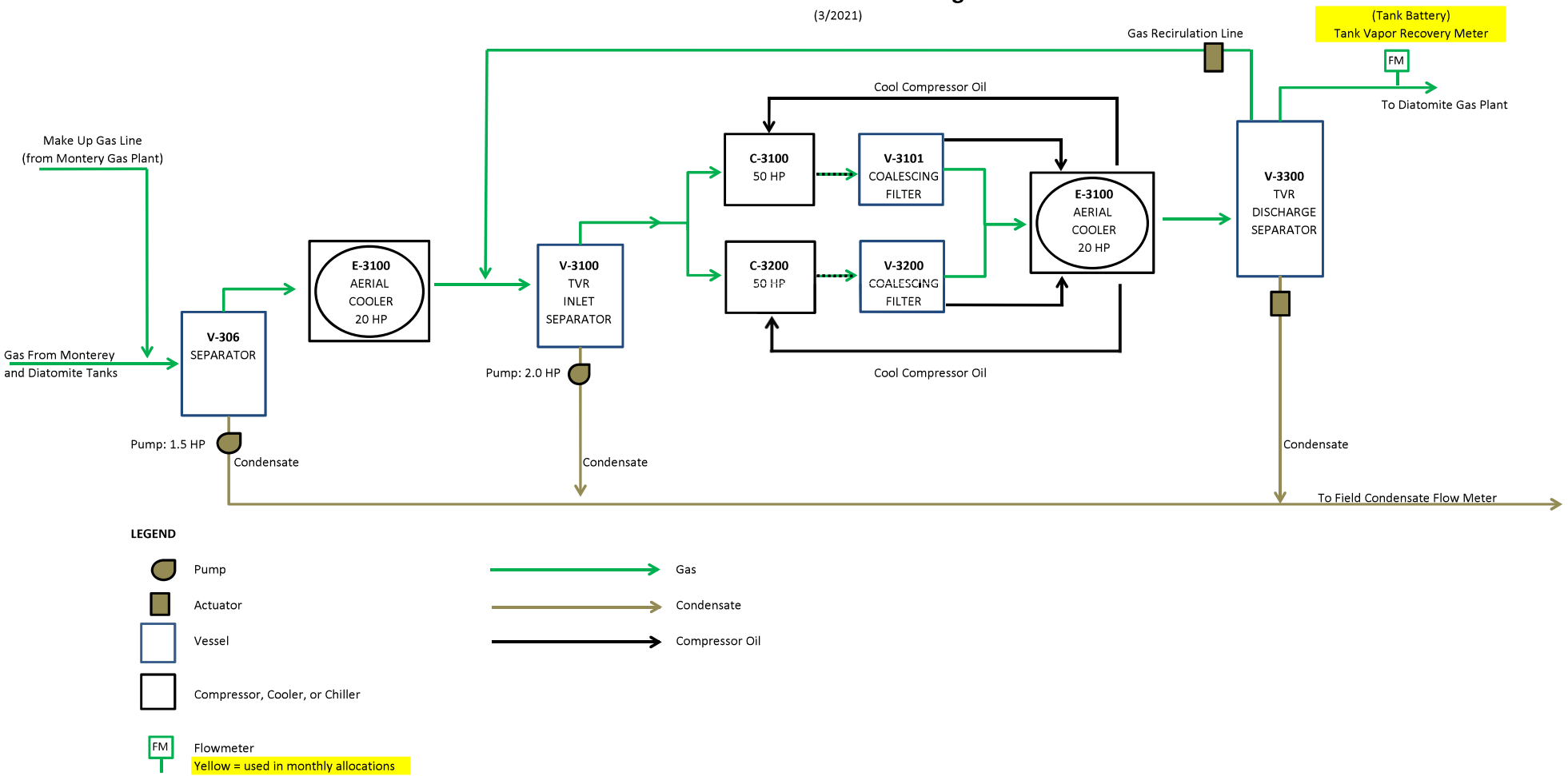
Monterey Gas Plant Process Flow Diagram

(3/2021)



T.V.R. Skid Process Flow Diagram

(3/2021)



LEGEND

- Pump
- Actuator
- Vessel
- Compressor, Cooler, or Chiller
- FM Flowmeter
  Yellow = used in monthly allocations
- Gas
- Condensate
- Compressor Oil

AERON THERMAL OXIDIZER SPECIFICATIONS

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

FOR

Santa Maria Energy

CEB Ultra-Low Emission Burner

Document No 130000-M01-0001, Rev 1

FLARE INDUSTRIES

An Aereon Company

1.0 PROJECT DESCRIPTION

1.1 Project Summary

Flare Industries (hereafter referred to as FI) was contracted by SANTA MARIA ENERGY to engineer, design, fabricate, and supply a CEB-1200. This system is designed by FI to meet the conditions and engineering criteria as specified by the customer. Critical commercial information relating to the project is summarized below.

Flare Industries Job Number	12-0620
Customer PO Number	150
Customer Name	Santa Maria Energy
Customer Location	Santa Maria, California
Date Ordered	October 30, 2013

1.2 Scope of Supply

The following table provides an outline of the major equipment provided by FI:

Item	Qty	Description	Material	Notes
1	1	CEB-1200 Vapor Treatment System	A-36/ 304SS	
2	1	Air Intake Filter equipped with differential pressure gauge	304SS	
3	1	Process Gas Inlet Particulate Filter	CS	
4	1	Stack Thermocouple – Type S	304SS	
5	1	Stack Thermocouple – Type K	304SS	
6	1	Burner Knitted w/Mesh	A240 / 304LSS	
7	1	Pilot Igniter w/Type K Thermocouple	316SS	
8	1	Pilot Ignition Transformer	304SS	
9	1	Burner Insulation Kit	Ceramic Fiber	

1.3 Process Conditions

The CEB-1200 is designed according to the following process specifications as defined by the customer:

Maximum Flow Rate:	725 MSCFD
Minimum Flow Rate:	150 MSCFD
Inlet Temperature:	40 - 200°F
Inlet Pressure:	3 PSI
Calculated Gas HV:	1371 BTU/SCF
Waste Gas Composition Diatomite (Mole %):	Methane 51.66%, Ethane 6.04%, Propane 5.58%, i-Butane 1.11%, n-Butane 3.33%, i-Pentane 1.36%, n-Pentane 1.51%, Hexane + 4.84%, Nitrogen 13%, Oxygen 0.31%, Carbon Dioxide 11.26%

1.4 Site Conditions

The following site conditions were used to complete the engineering design of the CEB-1200:

Design Wind Speed:	Structural, 90 MPH
Seismic Code	UBC 1997 Zone 1
Elevation:	226 ft. above sea level

1.5 Utility Requirements

Utility requirements of the system are as follows:

Pilot Fuel:	120 SCFH of natural gas (per pilot) at 10 - 15 psig.
Instrument Air	80 psig
Electrical – 1 Phase (Controls)	120 V / 60 Hz
Electrical – 3 Phase (Blower)	480 / 60 Hz

4.7 System CEB-1200 Data Sheet

Thermal load range	41 MMBtu/hr (based on ref gas of 1055 BTU/scf)
Thermal Turn down ratio	1:10
Combustion efficiency	Up to 99.99% in operating range
Emissions:	≤ 10 ppm CO at rating point
	≤ 10 ppm CxHy at rating point
	≤ 15 ppm NOx at rating point
	Non luminous flame
	smokeless
Combustion principle	Pre-mixed surface combustion(*)
CEB® system	horizontal orientated burner deck and enclosed flue gas volume, automated louvers on air inlet
Operating principle	Fan-driven system
Air intake protection	Grid mesh for main particles
Frame construction	Carbon Steel
Frame finishing	See Paint Procedure
Gas Wetted Parts	304 SST
Flue gas evacuation	Fully-enclosed stack, GA EPD complaint
Flue gas temperature safety control	Standard
Premix temperature control	Integrated
Flue gas temperature controlled PID	Standard
Ignition system	Interrupted Pilot
Gas connections	ANSI
Process gas connection	Flange 4” ANSI 150lbs
Process gas pressure range allowed	30” - 80”WC
Process gas allowed temperature	248°F
Control system	Allen Bradley PLC control unit
Control box	NEMA 4X, Climate Controlled
Main voltage/frequency	480 V, 60Hz ac, 3 phase
Fan Motor Size	40 HP
Earth connection	Earth lugs & single earth connection for external earth pin Standard
Control voltage	Potential free (dry end contacts)
Foot print	20’ 4”L x 6’ 3”W
Height	≈ 22’
Weight	≈ 9400 Lbs.
Minimum distance to another structure	16.4 ft.
Noise (maximum)	<65 dB(A) @ 50 meters without noise dampening equipment

EQUIPEMENT LIST

PERMIT EQUIPMENT LIST - TABLE A

Reeval 08896 R11 / FID: 01517 Careaga Lease / SSID: 01517

A PERMITTED EQUIPMENT

1 Monterey Equipment

1.1 Tanks

1.1.1 Gauge Tank

Device ID #	**111318**	***Device Name***	**Gauge Tank**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer		*Operator ID*	T-4132
Model		*Serial Number*	
Location Note	Section 32		
Device Description	Dimensions: 21.5' diameter x 16' high, connected to the vapor recovery system, used to measure volumes of fluids produced from wells		

1.1.2 Wash Tank

Device ID #	**115021**	***Device Name***	**Wash Tank**
Rated Heat Input		*Physical Size*	1500.00 BBL
Manufacturer		*Operator ID*	T-4064
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 21.5' diameter x 24' high, connected to the vapor recovery system		

1.1.3 Wastewater Tank

Device ID #	**115051**	***Device Name***	**Wastewater Tank**
Rated Heat Input		*Physical Size*	2000.00 BBL
Manufacturer	Columbia Tech Tank	*Operator ID*	T-4171
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 29.7' diameter x 16' high, connected to the vapor recovery system		

1.1.4 Crude Oil Storage Tank 1

Device ID #	**115052**	***Device Name***	**Crude Oil Storage Tank 1**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer		*Operator ID*	T-4103
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 21.5' diameter x 16' high, connected to the vapor recovery system		

1.1.5 Crude Oil Storage Tank 2

Device ID #	**115054**	***Device Name***	**Crude Oil Storage Tank 2**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer		*Operator ID*	T-4337
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 21.5' diameter x 16' high, connected to the vapor recovery system		

1.2 Separators

1.2.1 Separator

Device ID #	**115038**	***Device Name***	**Separator**
Rated Heat Input		*Physical Size*	
Manufacturer	Aerial Separator	*Operator ID*	V-203
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 30” diameter x 8’ high		

1.2.2 Two Phase Separator Vessel Field Inlet Separator

Device ID #	**100762**	***Device Name***	**Two Phase Separator Vessel**
Rated Heat Input		*Physical Size*	
Manufacturer	Parkersburg/Smith	*Operator ID*	V-201
Model		*Serial Number*	2037126
Location Note			
Device Description	Dimensions: 3' diameter x 10' high, connected to the vapor recovery system, welded construction, vertical		

1.2.3 Vertical Oil/Gas Separator 1 Coalescing Filter

Device ID #	**115131**	***Device Name***	**Vertical Oil/Gas Separator 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-3101
Model		*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description	Dimensions: 14" diameter x 36" high, carbon steel, removable coalescing element, differential pressure indicator		

1.2.4 Vertical Oil/Gas Separator 2 Coalescing Filter

Device ID #	**115132**	***Device Name***	**Vertical Oil/Gas Separator 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-3200
Model		*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description	Dimensions: 14" diameter x 36" high, carbon steel, removable coalescing element, differential pressure indicator		

1.3 Miscellaneous Equipment

1.3.1 Monterey Oil and Gas Wells

Device ID #	**115024**	***Device Name***	**Monterey Oil and Gas Wells**
Rated Heat Input		*Physical Size*	73.00 Total Wells
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

1.3.2 Well Cellars

Device ID #	**115023**	***Device Name***	**Well Cellars**
Rated Heat Input		*Physical Size*	732.00 Square Feet Cellar Area
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	21 well cellars of various sizes		

1.3.3 Fixed Bed Reactor Vessel 1

Device ID #	**114493**	***Device Name***	**Fixed Bed Reactor Vessel 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-2001A
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 10' diameter x 20' high, vertical, permanent lag vessel in lead-lag configuration with Fixed Bed Reactor Vessel 2 (Device ID: 114494), solid iron oxide media, treats to 50 ppmv or less hydrogen sulfide		

1.3.4 Fixed Bed Reactor Vessel 2

Device ID #	**114494**	***Device Name***	**Fixed Bed Reactor Vessel 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-2001B
Model		*Serial Number*	
Location Note			
Device Description	Dimensions: 10' diameter x 20' high, vertical, permanent lead vessel in lead-lag configuration with Fixed Bed Reactor Vessel 1 (Device ID: 114493), solid iron oxide media, treats to 50 ppmv or less hydrogen sulfide		

1.3.5 Steel Skid

Device ID #	**115133**	***Device Name***	**Steel Skid**
Rated Heat Input		*Physical Size*	
Manufacturer	Com-Pac Systems	*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	3/8" ASME SA-36 smooth bottom plate, seal welded around skid perimeter, 2" environmental containment barrier, two drain connections, two draw bars		

1.3.6 Vertical Inlet Gas Scrubber

Device ID #	**115028**	***Device Name***	**Vertical Inlet Gas Scrubber**
Rated Heat Input		*Physical Size*	
Manufacturer	BS&B	*Operator ID*	
Model		*Serial Number*	G-~~3~~ G-6
Location Note			
Device Description	Dimensions: 3’ diameter x 11’ high		

1.3.7 Vertical Inlet Suction Scrubber

Device ID #	**115129**	***Device Name***	**Vertical Inlet Suction Scrubber**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-3100
Model		*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description	Dimensions: 24" diameter x 72" length, carbon steel, equipped with condensate pump electric motor (7 gpm, 35 psig)		

1.3.8 Vertical Discharge Scrubber

Device ID #	**115130**	***Device Name***	**Vertical Discharge Scrubber**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-3200
Model		*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description	Dimensions: 12.75" diameter x 60" length, carbon steel, internally plastic coated, stainless steel mesh pas type mist extractor, one bridle mounted level assembly		

1.3.9 LACT Transfer System Shipping Pump

Device ID #	**115027**	***Device Name***	**LACT Transfer System**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note	Tank Battery		
Device Description			

1.3.10 Vapor Recovery System Compressor

Device ID #	**111330**	***Device Name***	**Vapor Recovery System Compressor**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note	Section 32		
Device Description	Collected vapors sent to the gas collection line for gauge tank		

1.3.11 Oil Shipping Pump

Device ID #	**111331**	***Device Name***	**Oil Shipping Pump**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-4205
Model		*Serial Number*	
Location Note	Section 32		
Device Description	Used to ship produced fluids from the gauge tank to the tank battery		

1.3.12 Tank Bottom Pumps

Device ID #	**115031**	***Device Name***	**Tank Bottom Pumps**
Rated Heat Input		*Physical Size*	1.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-4120 & P-4117
Model		*Serial Number*	
Location Note	Crude Storage Tank and Wash Tank		
Device Description	Two pumps		

1.3.13 ~~Pneumatic Gas Compressor~~

~~***Device ID #***~~	~~**115036**~~	~~***Device Name***~~	~~**Pneumatic Gas Compressor**~~
~~*Rated Heat Input*~~		~~*Physical Size*~~	~~75.00 Horsepower (Electric Motor)~~
~~*Manufacturer*~~	~~Chicago~~	~~*Operator ID*~~	
~~*Model*~~		~~*Serial Number*~~	
~~*Location Note*~~			
~~*Device Description*~~			

1.3.14 Condensate Pump

Device ID #	**387376**	***Device Name***	**Condensate Pump**
Rated Heat Input		*Physical Size*	2.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	~~P-801~~ P-3100
Model	~~P-3100~~	*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description			

1.3.15 Compressor Driver 1 Vapor Recovery Compressor Driver

Device ID #	**115127**	***Device Name***	**Compressor Driver 1**
Rated Heat Input		*Physical Size*	50.00 Horsepower (Electric Motor)
Manufacturer	Baldor	*Operator ID*	
Model	ZDVSM4115T	*Serial Number*	
Location Note	Vapor Recovery Skid		
Device Description	1,800 rpm, oversized bearing with positive lubrication, suitable for VFD, constant torque, rated for NEC Class 1 Division 2 hazardous area		

1.3.16 Compressor Driver 2 Vapor Recovery Compressor Driver

Device ID #	**115128**	***Device Name***	**Compressor Driver 2**
Rated Heat Input		*Physical Size*	50.00 Horsepower (Electric Motor)
Manufacturer	Baldor	*Operator ID*	
Model	ZDVSM4115T	*Serial Number*	
Location Note			
Device Description	1,800 rpm, oversized bearing with positive lubrication, suitable for VFD, constant torque, rated for NEC Class 1 Division 2 hazardous area		

1.3.17 Rotary Screw Compressor 1 Vapor recovery Compressor

Device ID #	**115120**	***Device Name***	**Rotary Screw Compressor 1**
Rated Heat Input		*Physical Size*	
Manufacturer	LeRoi	*Operator ID*	C-3100
Model	HG 12281	*Serial Number*	
Location Note			
Device Description	Direct drive, 1,780 rpm, equipped with lube oil system, minimum pressure valve, one electric motor driven oil make-up pump		

1.3.18 Rotary Screw Compressor 2 Vapor Recovery Compressor

Device ID #	**115125**	***Device Name***	**Rotary Screw Compressor 2**
Rated Heat Input		*Physical Size*	
Manufacturer	LeRoi	*Operator ID*	C-3200
Model	HG 12281	*Serial Number*	
Location Note			
Device Description	Direct drive, 1,780 rpm; equipped with lube oil system, minimum pressure valve, one electric motor driven oil make-up pump		

1.4 Monterey Fugitive Components

Device ID #	**001121**	***Device Name***	**Monterey Fugitive Components**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Gas/Condensate Service: Valves - Accessible/Inaccessible: 72, Flange/Connections - Accessible/Inaccessible: 185, Compressor Seal - To Atm/Flare: 2, PSV - To Atm/Flare: 1, PSV - To VRS: 4, Pump Seals - Single: 1; Oil Service: Valves - Accessible/Inaccessible: 22, Flange/Connections - Accessible/Inaccessible: 65		

2 Diatomite Equipment

2.1 Combustion Equipment

2.1.1 Steam Generator SG-100

Device ID #	**115058**	***Device Name***	**Steam Generator SG-100**
Rated Heat Input	26.500 MMBtu/Hour	*Physical Size*	26.50 MMBtu/Hour
Manufacturer	PLC Industrial Services	*Operator ID*	SG-100
Model	NB787	*Serial Number*	2079884
Location Note			
Device Description	Generate steam for well injection, North American Magna Flame LE 4211-27-3, Lo NOx burner, flue gas recirculation, fired on produced gas, supplemented with PUC natural gas, sulfur content limit of 50 ppmv, Rosemount 3095F flow meter, staged combustion, 9 ppmv NOx @ 3% oxygen, 7 ppmv ROC @ 3% oxygen, 27 ppmv CO @ 3% oxygen		

2.1.2 Steam Generator Feedwater Pump 1

Device ID #	**388632**	***Device Name***	**Steam Generator Feedwater Pump 1**
Rated Heat Input		*Physical Size*	75.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-100
Model		*Serial Number*	
Location Note			
Device Description	Transfer tertiary water to steam generators		

2.2 Tanks

2.2.1 Wash Tank

Device ID #	**115073**	***Device Name***	**Wash Tank**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer	Tiger Tanks LLC	*Operator ID*	TK-400
Model	API-650 1000	*Serial Number*	07T2-~~5613~~ 4562
Location Note	Diatomite Tank Battery		
Device Description	Remove additional water from produced oil prior to shipping tank, connected to the vapor recovery system, if tank is heated: between 150 F to 180 F, depending on pipeline/loading rack operations, 15.5' diameter, 28' high, throughput of 1,000 bbl/day		

2.2.2 Wastewater Tank

Device ID #	**115076**	***Device Name***	**Wastewater Tank**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer	Tiger Tanks Inc.	*Operator ID*	TK-401
Model		*Serial Number*	07T2-5614
Location Note	Diatomite Tank Battery		
Device Description	Hold produced water prior to further treatment and injection, connected to the vapor recovery system, 21.5' diameter, 16' high		

2.2.3 Shipping Tank 1

Device ID #	**115077**	***Device Name***	**Shipping Tank 1**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer	Tiger Tanks LLC	*Operator ID*	TK-402
Model	API-12F 1000	*Serial Number*	07T2-5615
Location Note	Diatomite Tank Battery		
Device Description	Hold crude oil prior to shipping, connected to the vapor recovery system, if tank is heated: between 150 F to 180 F depending on pipeline/loading rack operations, 21.5' diameter, 16' high, throughput of 1,000 bbl/day		

2.2.4 Shipping Tank 2

Device ID #	**115079**	***Device Name***	**Shipping Tank 2**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer	Tiger Tanks Inc.	*Operator ID*	TK-403
Model	API-12F 1000	*Serial Number*	07T2-5616
Location Note	Diatomite Tank Battery		
Device Description	Hold crude oil prior to shipping, connected to the vapor recovery system, if tank is heated: between 150 F to 180 F depending on pipeline/loading rack operations, 21.5' diameter, 16' high, throughput of 1,000 bbl/day		

2.2.5 Wash Tank Water Pump

Device ID #	**115075**	***Device Name***	**Wash Tank Water Pump**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-401
Model		*Serial Number*	
Location Note	Diatomite Tank Battery		
Device Description	Transfer water from wash tank, 1,745 rpm		

2.2.6 Wastewater Tank Oil Skim Pump

Device ID #	**115074**	***Device Name***	**Wastewater Tank Oil Skim Pump**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-400
Model		*Serial Number*	
Location Note	Diatomite Tank Battery		
Device Description	Remove oil from the top of water pad in the waste water tank, 1,755 rpm		

2.2.7 Drain Pump

Device ID #	**388737**	***Device Name***	**Drain Pump**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-404
Model		*Serial Number*	
Location Note	Diatomite Tank Battery		
Device Description	Transfer water from bottoms of tanks to wash tank		

2.2.8 Diatomite Oil Pump 1

Device ID #	**115080**	***Device Name***	**Diatomite Oil Pump 1**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-403A
Model		*Serial Number*	
Location Note	Diatomite Tank Battery		
Device Description	Transfer oil from shipping tank to loading rack or LACT, 1,800 rpm		

2.3 Separators

2.3.1 Degas Boot

Device ID #	**115072**	***Device Name***	**Degas Boot**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	S-400
Model	T-400	*Serial Number*	
Location Note	Diatomite Tank Battery		
Device Description	Remove additional gas from produced oil stream prior to wash tank, 1' diameter, 33.5' high, vertical, connected to the vapor recovery system.		

2.3.2 Two Phase Separator 1

Device ID #	**115071**	***Device Name***	**Two Phase Separator 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-300
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Secondary gas separation from produced oil, 7' diameter, 30' long, stainless stain, horizontal, connected to the vapor recovery system.		

2.4 Miscellaneous Equipment

2.4.1 Diatomite Oil and Gas Wells

Device ID #	**115055**	***Device Name***	**Diatomite Oil and Gas Wells**
Rated Heat Input		*Physical Size*	49.00 Active Wells
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	1,000 bbl/day oil production, 0.350 Mscf/day gas production		

2.4.2 Hydrogen Sulfide Removal Vessel 1

Device ID #	**115084**	***Device Name***	**Hydrogen Sulfide Removal Vessel 1**
Rated Heat Input		*Physical Size*	667.00 Cubic Feet
Manufacturer		*Operator ID*	V-303
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Dimensions: 10' diameter x 13.66' high, vertical, permanent lead vessel in lead-lag configuration with Hydrogen Sulfide Removal Vessel 2 (Device ID: 115085), anime-based liquid media (Nalco HSCV 1006A), treats to 50 ppmv or less hydrogen sulfide		

2.4.3 Hydrogen Sulfide Removal Vessel 2

Device ID #	**115085**	***Device Name***	**Hydrogen Sulfide Removal Vessel 2**
Rated Heat Input		*Physical Size*	667.00 Cubic Feet
Manufacturer		*Operator ID*	V-304
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Dimensions: 10' diameter x 13.66' high, vertical, permanent lag vessel in lead-lag configuration with Hydrogen Sulfide Removal Vessel 1 (Device ID: 115084), solid iron oxide media, treats to 50 ppmv or less hydrogen sulfide		

2.4.4 Compressor

Device ID #	**388653**	***Device Name***	**Compressor**
Rated Heat Input		*Physical Size*	6.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	C-450
Model		*Serial Number*	
Location Note	Diatomite Gas Plant Chiller		
Device Description	Compress produced gas and transport to gas blending		

2.4.5 Transfer Pump 1

Device ID #	**388738**	***Device Name***	**Transfer Pump 1**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-V300A
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Transfer fluids from V-300 to wash tank		

2.4.6 Liquid Knockout 1

Device ID #	**115082**	***Device Name***	**Liquid Knockout 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	V-301
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Remove any liquids from gas stream prior to hydrogen sulfide removal, 4' diameter, 8' high, stainless steel, connected to the vapor recovery system		

2.4.7 Liquid Pump 1

Device ID #	**115083**	***Device Name***	**Liquid Pump 1**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-301
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Transfer liquids from V-301 to shipping tank		

2.4.8 Liquid Pump 2

Device ID #	**386434**	***Device Name***	**Liquid Pump 2**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-304
Model		*Serial Number*	
Location Note	Diatomite Gas Plant		
Device Description	Transfer liquids from V-303 and V-304 to shipping tank		

2.5 Diatomite Fugitive Components

Device ID #	**115086**	***Device Name***	**Diatomite Fugitive Components**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Gas/Condensate Service: Valves - Category F: 160, Flange/Connections - Category F: 421, PSV - To VRS: 7, Pump Seals - Single: 1; Oil Service: Valves - Category F: 849, Flange/Connections - Category F: 2,924, Pump Seals - Single: 12		

3 Shared Diatomite/Monterey Equipment

3.1 Combustion Equipment

3.1.1 Thermal Oxidizer 1

Device ID #	**386807**	***Device Name***	**Thermal Oxidizer 1**
Rated Heat Input	41.000 MMBtu/Hour	*Physical Size*	41.00 MMBtu/Hour
Manufacturer	Flare Industries	*Operator ID*	ME-350
Model	CEB 1200	*Serial Number*	
Location Note			
Device Description	Combust excess gas, ground flare, enclosed, electric ignition, thermocouple, smokeless, produced gas pilot, maximum throughput of 0.700 Mscf/day, 15 ppmv NOx @ 3% oxygen, 10 ppmv ROC @ 3% oxygen, 15 ppmv CO @ 3% oxygen, Rosemount 3051SFC flow meter, no continuous pilot, 30 days/year of operation		

3.1.2 Flare Filter Coalescer Pump

Device ID #	**388610**	***Device Name***	**Flare Filter Coalescer Pump**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-345
Model		*Serial Number*	
Location Note			
Device Description			

3.1.3 Open Pipe Flare

Device ID #	**393535**	***Device Name***	**Open Pipe Flare**
Rated Heat Input	29.285 MMBtu/Hour	*Physical Size*	29.28 MMBtu/Hour
Manufacturer		*Operator ID*	F-01
Model		*Serial Number*	
Location Note			
Device Description	Re-permitted Device ID 115026, used in the event that Thermal Oxidizer 1 is inoperable, 0.500 MMScf/day limit, maximum operation of 20 days per quarter and 30 days per year of operation,		

3.1.3.1 Open Pipe Flare Fugitive Components

Device ID #	**393536**	***Device Name***	**Open Pipe Flare Fugitive Components**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Gas/Condensate Service: Valves - Category F: 9, Flange/Connections - Accessible/Inaccessible: 32, Flange/Connections - Category F: 8		

3.2 Miscellaneous Equipment

3.2.1 Loading Rack

Device ID #	**115025**	***Device Name***	**Loading Rack**
Rated Heat Input		*Physical Size*	160.00 BBL/Hour
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note	Tank battery		
Device Description	Bottom fill, connected to the vapor recovery system, throughput of 3,000 bbl/day, 1.17 psia TVP at 180 F, submerged loading: dedicated normal service		

3.2.2 Portable Well Testing System 1

3.2.2.1 Carbon Canister System 1

Device ID #	115044	*Device Name*	Carbon Canister System 1
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Two carbon canisters, connected in series, each containing 400 lbs of activated charcoal, production tank and vacuum truck loading rack vent through the carbon canisters with a minimum control efficiency of 90 percent, replacement carbon canister kept on site in case of breakthrough	*Physical Size* *Operator ID* *Serial Number*	

3.2.2.2 Fugitive Components 1

Device ID #	115046	*Device Name*	Fugitive Components 1
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Gas/Condensate Service: Valves - Accessible/Inaccessible: 6, Flange/Connections - Accessible/Inaccessible: 6; Oil Service: Valves - Accessible/Inaccessible: 2, Flange/Connections - Accessible/ Inaccessible: 9	*Physical Size* *Operator ID* *Serial Number*	

3.2.2.3 Production Tank 1

Device ID #	115043	*Device Name*	Production Tank 1
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Portable, vapor-tight, Baker-type steel tank, dimensions: 12.5' high x 35' long x 8' wide, equipped with a PSV set at 16 oz/square inch pressure and 0.4 oz/square inch vacuum, contains produced oil, water, and diluent, connected to the carbon canister system	*Physical Size* *Operator ID* *Serial Number*	500.00 BBL

3.2.2.4 Vacuum Truck Loading Rack 1

Device ID #	115045	*Device Name*	Vacuum Truck Loading Rack 1
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Serves production tank, vapors sent to the carbon canister system	*Physical Size* *Operator ID* *Serial Number*	

3.2.3 Portable Well Testing System 2

3.2.3.1 Carbon Canister System 2

Device ID #	115101	*Device Name*	Carbon Canister System 2
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Two carbon canisters, connected in series, each containing 400 lbs of activated charcoal, production tank and vacuum truck loading rack vent through the carbon canisters with a minimum control efficiency of 90 percent, replacement carbon canister kept on site in case of breakthrough	*Physical Size* *Operator ID* *Serial Number*	

3.2.3.2 Fugitive Hydrocarbons 2

Device ID #	115103	*Device Name*	Fugitive Hydrocarbons 2
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*		*Physical Size* *Operator ID* *Serial Number*	
	Gas/Condensate Service: Valves - Accessible/Inaccessible: 6, Flange/Connections - Accessible/Inaccessible: 6; Oil Service: Valves - Accessible/Inaccessible: 2, Flange/Connections - Accessible/ Inaccessible: 9		

.2.3.3 Production Tank 2

Device ID #	115100	*Device Name*	Production Tank 2
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*		*Physical Size* *Operator ID* *Serial Number*	500.00 BBL
	Portable, vapor-tight, Baker-type steel tank, dimensions: 12.5' high x 35' long x 8' wide, equipped with a PSV set at 16 oz/square inch pressure and 0.4 oz/square inch vacuum, contains produced oil, water, and diluent, connected to the carbon canister system		

3.2.3.4 Vacuum Truck Loading Rack 2

Device ID #	115102	*Device Name*	Vacuum Truck Loading Rack 2
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*		*Physical Size* *Operator ID* *Serial Number*	
	Serves production tank, vapors sent to the carbon canister system		

3.2.4 Portable Well Testing System 3

3.2.4.1 Carbon Canister System 3

Device ID #	115109	*Device Name*	Carbon Canister System 3
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Two carbon canisters, connected in series, each containing 400 lbs of activated charcoal, production tank and vacuum truck loading rack vent through the carbon canisters with a minimum control efficiency of 90 percent, replacement carbon canister kept on site in case of breakthrough	*Physical Size* *Operator ID* *Serial Number*	

3.2.4.2 Fugitive Hydrocarbons 3

Device ID #	115111	*Device Name*	Fugitive Hydrocarbons 3
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Gas/Condensate Service: Valves - Accessible/Inaccessible: 6, Flange/Connections - Accessible/Inaccessible: 6; Oil Service: Valves - Accessible/Inaccessible: 2, Flange/Connections - Accessible/Inaccessible: 9	*Physical Size* *Operator ID* *Serial Number*	

3.2.4.3 Production Tank 3

Device ID #	115116	*Device Name*	Production Tank 3
Rated Heat Input *Manufacturer* *Model* *Location Note* *Device Description*	Portable, vapor-tight, Baker-type steel tank, dimensions: 12.5' high x 35' long x 8' wide, equipped with a PSV set at 16 oz/square inch pressure and 0.4 oz/square inch vacuum, contains produced oil, water, and diluent, connected to the carbon canister system	*Physical Size* *Operator ID* *Serial Number*	500.00 BBL

~~3.2.4.4 Vacuum Truck Loading Rack 3~~

~~*Device ID #*~~	~~115110~~	~~*Device Name*~~	~~Vacuum Truck Loading Rack 3~~
~~*Rated Heat Input*~~		~~*Physical Size*~~	
~~*Manufacturer*~~		~~*Operator ID*~~	
~~*Model*~~		~~*Serial Number*~~	
~~*Location Note*~~			
~~*Device Description*~~	~~Serves production tank, vapors sent to the carbon canister system~~		

~~3.2.5~~ Automatic Well Test Skids

Device ID #	**388655**	***Device Name***	**Automatic Well Test Skids**
Rated Heat Input		*Physical Size*	
Manufacturer	Pro Gauga Technologies Inc	*Operator ID*	AWT ~~1-9~~ 01
Model		*Serial Number*	
Location Note			
Device Description	Test produced fluids from the wells, with Allen-Bradley Control Logix Controls		

3.2.6 Flowback and Selection Manifolds

Device ID #	**388657**	***Device Name***	**Flowback and Selection Manifolds**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	Skids 1-9
Model		*Serial Number*	
Location Note			
Device Description	Direct steam and produced fluids to group line		

B EXEMPT EQUIPMENT

1 Exempt Monterey Equipment

1.1 Heat Exchangers

1.1.1 Aerial Cooler

Device ID #	**115039**	***Device Name***	**Aerial Cooler**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description			

1.1.2 Dew Point Controller Chiller

Device ID #	**114498**	***Device Name***	**Dew Point Controller Chiller**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description			

1.1.3 Heat Exchanger 1

Device ID #	**114495**	***Device Name***	**Heat Exchanger 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	202.L.1 Heat Exchangers
Location Note			
Device Description			

1.1.4 Heat Exchanger 2

Device ID #	**114496**	***Device Name***	**Heat Exchanger 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	202.L.1 Heat Exchangers
Location Note			
Device Description			

1.1.5 Heat Exchanger 3

Device ID #	**115126**	***Device Name***	**Heat Exchanger 3**
Rated Heat Input		*Physical Size*	
Manufacturer	ACE	*Operator ID*	
Model	E72-10	*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	202.L.1 Heat Exchangers
Location Note			
Device Description	Includes one gas pre-cooler cooling section, one discharger gas cooling section, two compressor lube oil cooling section, and a mounted v-belt fan drive assembly, vertical, finned tube, air cooled		

1.2 Miscellaneous Equipment

1.2.1 Liquid Trap 1

Device ID #	**115032**	***Device Name***	**Liquid Trap 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	G-14
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	201.A No Potential To Emit Air Contaminants
Location Note	Near Well #75		
Device Description	Dimensions: 3' diameter x 10' high		

1.2.2 Liquid Trap 2

Device ID #	**115040**	***Device Name***	**Liquid Trap 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	201.A No Potential To Emit Air Contaminants
Location Note	Hydrogen sulfide scrubber		
Device Description	Dimensions: 30’ diameter x 9’ high		

1.2.3 Dew Point Controller Separator

Device ID #	**114497**	***Device Name***	**Dew Point Controller Separator**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description			

1.2.4 Flare Free Liquid Knockout Drum

Device ID #	**115037**	***Device Name***	**Flare Free Liquid Knockout Drum**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Dimensions: 2’ diameter x 8’ high		

1.2.5 Wastewater Pumps

Device ID #	**115035**	***Device Name***	**Wastewater Pumps**
Rated Heat Input		*Physical Size*	30 HP
Manufacturer		*Operator ID*	P-4171 A&B
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	201.A No Potential To Emit Air Contaminants
Location Note			
Device Description	Used exclusively for wastewater transfer		

2 Exempt Diatomite Equipment

2.1 Heat Exchangers

2.1.1 Gas Cooler 1

Device ID #	**115081**	***Device Name***	**Gas Cooler 1**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	HX-400 HX 4001 & 4002
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	202.L.1 Heat Exchangers
Location Note			
Device Description	Cool produced gas prior to hydrogen sulfide removal, two 25 hp electric motors, forced draft		

2.1.2 Gas Cooler 2

Device ID #	**386435**	***Device Name***	**Gas Cooler 2**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	HX-402
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.1 Heat Exchangers	
Location Note			
Device Description	Cool TVR gas from Diatomite tanks, two 5 hp electric motors		

Group Line Cooler

Device ID #	**386436**	***Device Name***	**Group Line Cooler**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer	Cooling Products, Inc.	*Operator ID*	HX-510
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.1 Heat Exchangers	
Location Note			
Device Description	Cool produced fluids, two 10 hp electric motors, diatomite group line fin-fan aerial cooler, 12' wide, 26' high, 12' long		

2.2 Miscellaneous Equipment

2.2.1 Recycled Water Filter 1

Device ID #	**388739**	***Device Name***	**Recycled Water Filter 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	SK-500A
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Particulate filter upstream of water softeners		

2.2.2 Recycled Water Filter 2

Device ID #	**388740**	***Device Name***	**Recycled Water Filter 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	SK-500B
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Particulate filter upstream of water softeners		

2.2.3 Softener Skid 1

Device ID #	**388741**	***Device Name***	**Softener Skid 1**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	SK-800
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Softener for LCSD water		

2.2.4 Softener Skid 2

Device ID #	**388742**	***Device Name***	**Softener Skid 2**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	SK-801
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Softener for LCSD water		

2.2.5 Steam Manifold Skids

Device ID #	**388658**	***Device Name***	**Steam Manifold Skids**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	Skids 1-9
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Measure and direct steam to flowback and selection manifolds		

3 Exempt Shared Diatomite/Monterey Equipment

3.1 Tanks

3.1.1 Propane Tank

Device ID #	**388918**	***Device Name***	**Propane Tank**
Rated Heat Input		*Physical Size*	300.00 Gallons
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.8 Storage Of Liquefied/Compressed Gases	
Location Note			
Device Description			

3.2 Miscellaneous Equipment

3.2.1 Vaporizer

Device ID #	**388920**	***Device Name***	**Vaporizer**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:*	201.A No Potential To Emit Air Contaminants
Location Note			
Device Description			

OILFIELD FLARE EMISSION CALCULATIONS (Ver. 2.0)

Attachment:
Permit Number:
Facility:

Fuel Information

Data	*Value*	*Units*	*Reference*
Flare Throughput	0.725	MMscf/day	Permit Application
Gas Heat Content	1,325	Btu/scf	Permit Application
Sulfur Content	50	ppmv as H_2S	Permit Application

Heat Input Data

Value	*Units*	*Reference*
40.026	MMBtu/hour	Daily divided by 24 hr/day
960.625	MMBtu/day	Permit Application
350,628.125	MMBtu/year	Daily times 365 days/yr

Emission Factors

Pollutant	*lb/MMBtu*	*Reference*
NO_x	0.0183	Manufacturer
ROC	0.0042	Manufacturer
CO	0.0111	Manufacturer
SO_x	0.0068	Mass Balance Calculation
PM	0.0200	SBCAPCD
PM_{10}	0.0200	AP-42, Chapter 1.4
$PM_{2.5}$	0.0200	AP-42, Chapter 1.4

Flare Potential to Emit

Pollutant	lb/day	TPY
NO_x	17.58	3.21
ROC	4.03	0.74
CO	10.66	1.95
SO_x	6.51	1.19
PM	19.21	3.51
PM_{10}	19.21	3.51
$PM_{2.5}$	19.21	3.51

Processed By: Date:

SG 100

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input	26.500	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	636.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	232,140.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel	Produced Gas	N/A	Permit Application
High Heating Value	1,100	Btu/scf	Permit Application
Sulfur Content of Fuel	50.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor	0.0110	lb/MMBtu	
ROC Emission Factor	0.0030	lb/MMBtu	
CO Emission Factor	0.0200	lb/MMBtu	
SO_x Emission Factor	0.0082	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	7.00	1.28
ROC	1.91	0.35
CO	12.72	2.32
SO_x	5.19	0.95
PM	4.77	0.87
PM_{10}	4.77	0.87
$PM_{2.5}$	4.77	0.87

OILFIELD FLARE EMISSION CALCULATIONS (Ver. 2.0)

Attachment:
Permit Number:
Facility:

Fuel Information

Data	*Value*	*Units*	*Reference*
Flare Throughput	0.100	MMscf/day	Permit Application
Gas Heat Content	1,050	Btu/scf	Permit Application
Sulfur Content	796	ppmv as H_2S	Permit Application

Heat Input Data

Value	*Units*	*Reference*
4.375	MMBtu/hour	Daily divided by 24 hr/day
105.000	MMBtu/day	Permit Application
38,325.000	MMBtu/year	Daily times 365 days/yr

Emission Factors

Pollutant	*lb/MMBtu*	*Reference*
NO_x	0.0680	AP-42, Table 13.5-1
ROC	0.2000	District February 2016 Flare Study
CO	0.3700	AP-42, Table 13.5-1
SO_x	0.1361	Mass Balance Calculation
PM	0.0200	SBCAPCD
PM_{10}	0.0200	AP-42, Chapter 1.4
$PM_{2.5}$	0.0200	AP-42, Chapter 1.4

Flare Potential to Emit

Pollutant	lb/day	TPY
NO_x	7.14	1.30
ROC	21.00	3.83
CO	38.85	7.09
SO_x	14.29	2.61
PM	2.10	0.38
PM_{10}	2.10	0.38
$PM_{2.5}$	2.10	0.38

Processed By: Date:

CRUDE OIL LOADING RACK EMISSION CALCULATIONS (Ver. 4.2)

Attachment:
Permit Number:
Facility:

Rack Information

Rack Type	*Enter X Where Appropriate*	*S Factor*
Submerged Loading of a Clean Cargo Tank		0.50
Submerged Loading: Dedicated Normal Service	X	0.60
Submerged Loading: Dedicated Vapor Balance Service		1.00
Splash Loading of a Clean Cargo Tank		1.45
Splash Loading: Dedicated Normal Service		1.45
Splash Loading: Dedicated Vapor Balance Service		1.00

Input Data

Input data	*Value*	*Reference*
Saturation Factor	0.60	Previous Input, AP-42 Table 4.4-1
Molecular Weight	50	SBCAPCD Default for Crude Oil
True Vapor Pressure (psia)	1.000	Permit Application
Liquid Temperature (°F)	100	Permit Application
Loading Rate (bbl/hr)	160.00	Permit Application
Storage Capacity (bbl)	1,000	Permit Application
Daily Production (bbl)	625	Permit Application
Annual Production (bbl)	228,125	Permit Application
Vapor Recovery Efficiency	0.95	SBCAPCD
ROC/THC Reactivity	0.885	SBCAPCD Default for Crude Oil

Loading Rate Calculations

Calculated Information	*Value*	*Reference*
Daily Hours Loading (hours)	6.25	Calculated Value
Annual Hours Loading (hours)	1,425.78	Calculated Value
Loading Loss (lb / 1,000 gals)	0.6675	Calculated Value

Crude Oil Loading Rack ROC Potential to Emit

Controlled Potential to Emit	
lb/day	**1.24**
TPY	**0.14**

Processed By: Date: