

December 14, 2023

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

Subject: Pacific Coast Energy Acquisition Title V Permit Application Casmalia Stationary Source Arellanes, Casmalia ICEs, Morganti, Muscia, NR Bonetti, and Righetti Leases

> SSID 11516 FID 03212, 04216, 3303, 3304, 4501, and 3948

Too Whom it May Concern:

Enclosed is a Title V permit application to include above referenced leases in the Casmalia Field as part of the Orcutt Hill Field Stationary Source owned and operated by Pacific Coast Energy Company (PCEC).

Per District policy, the application fee Four Hundred and Ninety-one dollars (\$491.00) per facility totaling Two Thousand Niine Hundred and Forty-six Dollars (\$2,946.00) 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. Bran

Philip Brown COO 805-937-2576

Enclosure

C: M. Strange, MFSA Justin Martin, PCEC



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

∩ Yes

• No

1. APPLICATION TYPE (check all that apply):

| Authority to Construct (ATC) | Transfer of Owner/Operator (use Form -01T | | |
|--|---|--|--|
| Permit to Operate (PTO) | Emission Reduction Credits | | |
| ATC Modification | Increase in Production Rate or Throughput | | |
| X PTO Modification | Decrease in Production Rate or Throughput | | |
| Other (Specify) | | | |
| Previous ATC/ <u>PTO</u> Number (if known) | Refer to the project description | | |

● 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 \$491 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: <u>http://www.ourair.org/district-fees</u>). 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 <u>https://www.ourair.org/wp-content/uploads/apcd-01c.pdf</u> via mail or calling 805-979-8050 to pay via phone. **Do not submit the Credit Card Authorization Form via email.**

| If yes, provide the name | e of school(s) | | |
|--------------------------|----------------|----------|--|
| Address of school(s) | | | |
| City | | Zip Code | |

4. DOES YOUR APPLICATION CONTAIN CONFIDENTIAL INFORMATION?

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 | 3304 | Permit No. | PT-70 16214 | |
| Project Name | Muscio Lease | | Rec'd 12/18/2023 | |
| Filing Fee | \$ 491.00 | | 202.E? YES / NO | |

CC Ending 9258 Marianne Strange

5. COMPANY/CONTACT INFORMATION:

| Owner Info | | ∩ Yes ⊙ N | No Use as | Billing Contact? |
|-------------------|---------------|---------------------------------------|-----------|-----------------------------|
| Company Name | Pacific Coast | Pacific Coast Energy Acquisitions LLC | | C |
| Doing Business As | PCEA | | | |
| Contact Name | Lisa Toler | | | Position/Title CFO |
| Mailing Address | 1 Riverway, S | Suite 1025 | | |
| City Houst | on | | | State TX Zip Code 77056 |
| Telephone | 281-782-8275 | Cell | | Email Lisa.Toler@pceclp.com |

| Operator Info | | • Yes () No | Use as Billing Contact? |
|----------------------|--------------|------------------|-------------------------------|
| Company Name | Pacific Coas | t Energy Company | / LP |
| Doing Business A | As PCEC | | |
| Contact Name | Phil Brown | | Position/Title COO |
| Mailing Address | 1555 Orcutt | Hill Road | |
| City Orcu | tt | | State CA Zip Code 93455 |
| Telephone | 805-937-2576 | Cell | Email Philip.Brown@pceclp.com |

| Authorized | Agent In | fo* | 🔿 Yes 💿 No | Use as Billing Co | Contact? | |
|-------------|----------|---|------------|-------------------|---------------------------|--|
| Company N | lame | M. F. Strange& Associates, Inc. | | | | |
| Doing Busin | ness As | MFSA | | | | |
| Contact Nat | me | Marianne Strange Position/Title President | | | | |
| Mailing Ad | dress | P. O. Box 1484 | | | | |
| City | Santa Ba | rbara | | State | CA Zip Code 93102 | |
| Telephone | 80 | -564-6590 | Cell (80 |)5) 570-9740 | Email mstrange@mfsair.com | |

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

| SEND PERMITTING CORRE | SPONDENCE TO (check all that apply): | |
|-----------------------|--------------------------------------|--|
| Owner | ⊠ Operator | |
| X 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 | | |
|-------------|-------------------------|-------------------------|--|
| City | Orcutt | State CA Zip Code 93455 | |
| Work Site I | Phone +1 (805) 937-2576 |] | |

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):

Due to common ownership and contiguous property boundaries, this application is to include Casmalia Stationary Source Leases Arellenas (PTO 8976-R11) Casmalia ICEs (PTO 8035-R11), Morganti (PTO 8096-R12), Muscio (PTO 8980-R10), NR Bonetti (PTO 8978-R10, and Righetti (PTO 8977-R10) as part of the Orcutt Hill Field Stationary Source owned and operated by Pacific Coast Energy Company (PCEC).

9. DO YOU REQUIRE A LAND USE PERMIT OR OTHER LEAD AGENCY PERMIT FOR THE PROJECT DESCRIBED IN THIS APPLICATION?: O Yes O 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?

OYes O 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 | N/A | | | |
|---|---|------------------------|--------|-------|
| - | iolation (NOV) for not obtaining a perm e you installed this equipment without the le per Rule 210. | | () Yes | • No |
| C. Is this application being submitted of | lue to the loss of a Rule 202 exemption? | | () Yes | No No |
| | nultiple phases? If yes, attach a separate ing the associated timing, equipment and | | () Yes | • No |
| E. Is this application also for a change Form -01T. | of owner/operator? If yes, please also in | clude a completed APCD | () Yes | No 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 | Dec 14, 2023 | |
|------------------------------------|---------------|--|
| Signature of application preparer | Date | |
| Marianne Strange | MFSA | |
| Print name of application preparer | Employer name | |

12. APPLICATION CHECKLIST (check all that apply)

| X | Application Filing Fee (Fee = \$491. 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 <i>Credit Card Form-01C</i> 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 <i>Credit Card Form-01C</i> via email. |
|----------|---|
| | Existing permitted sources may request that the filing fee be deducted from their current reimbursable deposits by checking this box. <u>Please deduct the filing fee from my existing reimbursement account.</u> |
| | Form -01T (<i>Transfer of Owner/Operator</i>) attached if this application also addresses a change in owner and/or operator status from what is listed on the current permit. <u>http://www.ourair.org/wp-content/uploads/apcd-01t.pdf</u> |
| | Form -03 (<i>School Summary Form</i>) 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. <u>http://www.ourair.org/wp-content/uploads/apcd-03.pdf</u> |
| \times | Information required by the APCD for processing the application as identified in APCD Rule 204 (<i>Applications</i>), the APCD's <i>General APCD Information Requirements List</i> (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. |
| X | Form -01A (<i>Authorized Agent Form</i>) 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. <u>http://www.ourair.org/wp-content/uploads/apcd-01a.pdf</u> |
| | 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. Phil Brown

, am employed by or represent

Type or Print Name of Authorized Company Representative

PCEC

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: M | arianne Strange | Title: | Agent | | |
|--------------------|------------------------------|--------|-------|----------------|--|
| Date: | Dec 14, 2023 | Phone: | | (805) 564-6590 | |
| Signature of Autho | rized Company Representative | P.Brow | (| | |

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



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:

Pacific Coast Energy Acquisitions LLC & PCEC (applicant or permitted company's name - print)

at Casmalia Stationary Source

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

(facility name(s) - print)

| X Permitting | Billing |
|-----------------------------------|------------------|
| X 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 | Chief Operating Officer |
| Phone | 805-937-2576 |
| Email | philip.brown@pceclp.com |
| Address | 1555 Orcutt Hill Road |
| City, State, Zip | Orcutt, CA 93455 |
| Signature | P. Branci, |

ARELLANES LEASE PTO 8976-R11 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| 1. Source Name: Arellanes Lease Casmalia | | |
|---|---|--|
| 2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only): | | |
| 3. Parent Company (if different than Source Name |): Pacific Coast Energy Acquisitions, LLC | |
| 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 lin | ne [] Yes [X] No | |
| 50 miles of a Native A | merican Nation [] Yes [X] No [] Not Applicable | |
| 8. Type of Organization: [X] Corporation | [] Sole Ownership [] Government | |
| [] Partnership 9. Legal Owner's Name: Pacific Coast Energy Acqui | [] Utility Company isitions, LLC | |
| 10. Owner's Agent Name (if any): Marianne Strang | e Title: Environmental _{Telephone} #: 805-564-6590 Consultant | |
| 11. Responsible Official: Philip Brown | Title: Chief Operations Telephone #: 805-937-2576 Officer | |
| 12. Plant Site Manager/Contact: Doug Miller | Title: ProductionTelephone #: 805-937-2576Foreman | |
| 13. Type of facility: Oil and Gas | | |
| 14. General description of processes/products: | Please refer to attached project description | |
| 15. Does your facility store, or otherwise handle, g | reater than threshold quantities of any substance on the Section 112(r) | |
| List of Substances and their Thresholds (see Attach | ment A)? [] Yes [X] No | |
| 16. Is a Federal Risk Management Plan [pursuant t | o Section 112(r)] required? [] Not Applicable [] Yes [X] No | |
| (If yes, attach verification that Risk Management Pl Management Plan submittal.) Applications submitted without a filing fee will be returned | an is registered with appropriate agency or description of status of Risk ed to the applicant immediately as "improper" submittals | |

Page 1 of 21

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 8976 – R11 | 6/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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: | ► APCD USE ONLY "" | |
|--|---------------------------------------|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: | |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia | |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|---------------------------|--|---|
| NOx | 306.70 | | N/A |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 1.77 |
| СО | 240.36 | APPLICATION SUBMITTALS | N/A |
| SOx | 19.21 | | N/A |
| РМ | 7.62 | | N/A |
| PM10 | 7.62 | | N/A |
| PM2.5 | 7.62 | | N/A |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| APCD: | ► APCD USE ONLY < |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number: 8976-R11

- 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:
- 7. List and describe primary coating/solvent process equipment used: Mineral Spirits or similar for Lab Cuts. Coatings used for maintenance activities.

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 (%) |
|-------------------------------|------------------------|-------------------------------------|---------------------------------|--------------------------|-----------------------|
| | | | | | |
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| | | | | | |

* 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: | ► APCD USE ONLY < |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |
| | |

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 REGU | OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴ | | | | |
| POLLUTANTS | 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: | ► APCD USE ONLY 4{ |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Separators
- 2. Equipment type*: Oil and Gas Separators
- 3. Equipment description*: ATC/PTO Number: 8976-R11 (Device 100927)
- 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 @ _____%H₂O
- 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-F1)

| APCD: | ► APCD USE ONLY 4{ |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Oil and Gas Wellheads
- 2. Equipment type*: Oil and Gas Well
- 3. Equipment description*: 5 Producing and idle wells
- 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 @ _____%H₂O
- 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)

ATC/PTO Number: 8976-R11 (Device 002615)

GENERAL EMISSION UNIT (Form 1302-F2)

| APCD: | ► APCD USE ONLY <. |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|------------|--|--|--|--|
| POLLUTANTS | ROC | | | | |
| A. Emissions | 0.02 | | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴ | | | | | |
| POLLUTANTS | 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. | | | | | |

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: | ► APCD USE ONLY 4{ |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Well Cellars
- 2. Equipment type*: Well Cellars
- 3. Equipment description*: 5 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8976-R11 (Device 002616)
- 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 @_____%H₂O
- 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: | ► APCD USE ONLY <. |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | | |
|---|------------|-------------|-----------------|--------------------------------|---|--|
| POLLUTANTS | ROC | | | | | |
| A. Emissions | 0.92 | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| OTHER RE | EGULATED A | IR POLLUTAN | EMISSION | S (tons per year) ⁴ | L | |
| 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. | | | | | | |

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: | ► APCD USE ONLY 4{ |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Fugitive Hydrocarbon Components CARB KVB
- 2. Equipment type*: Valves, Flanges, etc.
- 3. Equipment description*: Please refer to page 2 of attached equipment list ATC/PTO Number: 8976-R11 (Device 002614)
- 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 @ _____ %H₂O
- 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: | ► APCD USE ONLY <. |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

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 | 0.82 | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| OTHER RE | GULATED AII | R POLLUTANT | EMISSION | S (tons per year) ⁴ | L | |
| 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. | | | | | | |

Por permit revisions only; emissions prior to project modification.
 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.

EXEMPT EMISSIONS UNITS (Form 1302-H)

| APCD: | ► APCD USE ONLY <. |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

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

YES X NO

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

| Activity | Description of Activity/Emission Units | Potential to Emit for each Pollutant |
|--|---|--------------------------------------|
| Solvents & Coatings Lab Cuts & Facility/Equipment Maintenance | | 0.1 TPY ROC |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

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 | |
|---|--|--|-------------------------------|-------------------|--|
| Regulatory Reference ² | Regulation Title ² | | (yes/no/exempt ³) | Date ⁴ | |
| 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 | Combustion Units | Yes | In Effect | |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect | |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect | |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes | In Effect | |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect | |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect | |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect | |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 | |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect | |

COMPLIANCE PLAN (Form 1302-I1)

| • | | | | | | |
|---|--|---|--|---|--------------------------------|--|
| | APCD: Santa Barbara County Air Pollution Control District COMPANY NAME: Pacific Coast Energy Acquisitions, LL0 | | | | | |
| | | ns, LLC | SOURCE NAME: | | | |
| Applicable Federal Requirement ¹ | | A | ffected Emission Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ | |
| Regulatory Reference ² | | | | | | |
| APCD Rule 343 | Petroleum Storage Tank Degassing | wastewate | | Yes | In Effect | |
| APCD Rule 344 | Petroleum Wells, Sumps and Cellars | pits | ars, sump, wastewater | Yes | In Effect | |
| APCD Rule 346 | Loading of Organic Liquids | Crude oi | l loading rack | Yes | In Effect | |
| APCD Rule 353 | Adhesives and Sealants | Maintena | ance Operations | Yes | In Effect | |
| APCD Rule 359 | Flares and Thermal Oxidizers | Flares | | Yes | In Effect | |
| APCD Rule 360 | Small Boilers | Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr | | 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 | 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 So | ource | Yes | In Effect | |
| 40 CFR Part 60 Subpart A | New Source Performance Standards | Entire So | ource | Yes | In Effect | |
| 40 CFR Part 60 Subpart Kb | | | essels for petroleum liquids ad or modified prior to July | Exempt | In Effect | |
| | | Any new or replacement tanks constructed or modified after July 23, 1984 | | Yes | In Effect | |
| 40 CFR Part 60 Subpart OOOOa CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities Climate Change | Entire Source | | Yes | In Effect | |
| 40 CFR Part 61 | National Emission Standards for Hazardous | | nary reciprocating ombustion engines | Yes | In Effect | |
| | Air Pollutants | | | | | |

| COMPLIANCE PLAN (Form 1302-I1) | | | | | | |
|--|--|---|--------------------------------|--|-----------|--|
| APCD: Santa Barbara Cour COMPANY NAME: P | APCD USE ONLY <. D IDS Processing ID: ME: Arellanes Lease Casmalia | | | | | |
| Applicable Federal Requ | | | Effective Date ⁴ | | | |
| Regulatory Reference ² 40 CFR Part 63 | Regulation Title Maximum Achievable Control Technology | None | | 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 | | | Exempt – Not a major source of HAP's | In Effect | |
| 40 CFR Part 63 Subpart ZZZZ | | All stationary reciprocating internal combustion engines | | Yes | In Effect | |
| 40 CFR Part 64 | Compliance Assurance Monitoring | Emission units with a control device used to comply with an emission standard | | Exempt – no control devices used to comply with an emission standard | In Effect | |
| 40 CFR Part 70 | Operating Permits | Entire Sou | irce | 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-I1)

APCD IDS Processing ID:

| | | n . |
|-----------|---|------------|
| AP | C | D: |
| A1 | U | υ. |

► APCD USE ONLY <.

Santa Barbara County Air Pollution Control District COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

SOURCE NAME: Arellanes Lease Casmalia

| Other Applicable Federal Requirements ⁵ NOTE: PC # varies in each PTO | Affected Emission Unit | In compliance? | Effective Date |
|--|----------------------------------|-------------------|----------------|
| PTO 08976 Condition 1 | All Devices | Yes | In Effect |
| Emission Limits | | | L E 22 |
| PTO 08976 Condition 2.a | All Devices | Yes | In Effect |
| Fugitive Hydrocarbon Inspection & | | | |
| Maintenance Plan | | V | |
| PTO 08976 Condition 2.b | Well Cellars (Device No. 002616) | Yes | In Effect |
| Well Cellars PTO 08976 Condition 3 | All Devices | Yes | In Effect |
| | All Devices | r es | In Effect |
| Monitoring PTO 08976 Condition 4 | All Daviage | Yes | In Effect |
| Recordkeeping | All Devices | res | In Effect |
| PTO 08976 Condition 5 | All Devices | Yes | In Effect |
| Reporting | All Devices | 1 05 | In Effect |
| PTO 08976 Condition 6 | All Devices | Yes | In Effect |
| Requirements for Produced Gas | AII Devices | 1 05 | In Effect |
| PTO 08976 Condition 7 | All Devices | Yes | In Effect |
| Facility Fugitive Hydrocarbon | All Devices | 1 05 | III Effect |
| Emissions | | | |
| PTO 08976 Condition 8 | All Devices | Yes | In Effect |
| Greenhouse Gas Emissions Standards | | 100 | III LIICU |
| PTO 08976 Condition 9 | All Devices | Yes | In Effect |
| Consistency with Analysis | | 100 | III LIIOU |
| PTO 08976 Condition 10 | All Devices | Yes | In Effect |
| Equipment Maintenance | | 100 | In Liteou |
| PTO 08976 Condition 11 | All Devices | Yes | In Effect |
| Compliance | | | |
| PTO 08976 Condition 12 | All Devices | Yes | In Effect |
| Severability | | | |
| PTO 08976 Condition 13 | All Devices | Yes | In Effect |
| Conflict Between Permits | | | |
| PTO 08976 Condition 14 | All Devices | Yes | In Effect |
| Access to Records and Facilities | | | |
| PTO 08976 Condition 15 | All Devices | Yes | In Effect |
| Equipment Identification | | | |
| PTO 08976 Condition 16 | All Devices | Yes | In Effect |
| Emission Factor Revisions | | | |
| PTO 08976 Condition 17 | All Devices | Yes | In Effect |
| Nuisance | | | |
| PTO 08976 Condition 18 | All Devices | Yes | In Effect |
| Grounds for Revocation | | | |
| PTO 08976 Condition 19 | All Devices | Yes | In Effect |
| Transfer of Owner/Operator | | | |
| PTO 08976 Condition 20 | All Devices | Yes | In Effect |
| Fugitive and Maintenance Plan | | | |

| COMPLIANCE PLAN (Form 1302-I1) | | | | | |
|---|----------------------|-----------|---|-----------------------------|--|
| APCD: Santa Barbara County Air Pollutio | | APC | APCD USE ONLY D IDS Processing I | D: | |
| COMPANY NAME: Pacific Coast Ener | gy Acquisitions, LLC | SOURCE NA | ME: Arellanes Leas | se Casmalia | |
| Applicable Federal Requirement ¹ | | | In compliance? (yes/no/exempt ³) | Effective Date ⁴ | |
| Regulatory Reference ² | Affected Emission Ur | nit | | | |
| PTO 08976 Condition 21 Documents Incorporated by Reference | All Devices | | Yes | In Effect | |
| 5 All environmentally significant permit conditions associated with such limitat applicable requirements. | | | | | |

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-11" appear on each page. ***

| COMPLIANCE PLAN (Form 1302-I2) | | | | | |
|--|---------------------------------------|--|--|--|--|
| APCD: | ► APCD USE ONLY <. | | | | |
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: | | | | |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia | | | | |

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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. Burn

Signature of Responsible Official

12/15/23

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: > APCD USE ONLY <.</th> Santa Barbara County Air Pollution Control District APCD IDS PROCESSING ID: COMPANY NAME: Pacific Coast Energy Acquisitions, LLC SOURCE NAME: Arellanes Lease Casmalia

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.

F

| Forms included with application | Attachments 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 | 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) | |
| [] check here if additional forms listed on back | | |

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.

Signature of Responsible Official

Date

Print Name of Responsible Official: P

Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|---------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Arellanes Lease Casmalia |

| List Other Forms or Attachments (cont.) |
|---|
| |
| |
| |
| |
| |
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| |
| |
| |
| |

Example Emission Calcuations

Permit to Operate 08976 - R11

ATTACHMENT A Emission Calculations

| FUG | ITIVE HYDROCARBON EMISSION | | FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0) | | | | | |
|--------------------|---|-------------|---|--------------------|--|--|--|--|
| | | Page 1 of 2 | | | | | | |
| Attachment: | A-1 | | | | | | | |
| Permit Number: | Reeval 8976-R11 | | | | | | | |
| Facility: | Arellanes Lease | | | | | | | |
| Input Data | | | | | | | | |
| Facility Informati | on | Value | <u>Units</u> | <u>Reference</u> | | | | |
| Number of Active | e Wells at Facility | 8 | wells | Permit Application | | | | |
| Facility Gas Proc | duction | | scf/day | Permit Applicatio | | | | |
| Facility Dry Oil P | roduction | 800 | bbls/day | Permit Applicatio | | | | |
| Facility Gas to O | il Ratio (if > 500 then default to 501) | 501 | scf/bb | Permit Applicatio | | | | |
| API Gravity | | 11.3 | degrees API | Permit Applicatio | | | | |
| Facility Model Nu | ımber | 5 | dimensionless | User Input | | | | |
| No. of Steam Dri | ve Wells with Control Vents | 0 | wells | Permit Application | | | | |
| No. of Steam Dri | ive Wells with Uncontrolled Vents | 0 | wells | Permit Application | | | | |
| No. of Cyclic Ste | am Drive Wells with Control Vents | 0 | wells | Permit Application | | | | |
| No. of Cyclic Ste | am Drive Wells with Uncontrolled Vents | 0 | wells | Permit Application | | | | |
| Composite Valve | and Fitting Emission Factor | 2.8053 | lb/day-well | Table Below | | | | |

Emission Factor Based on Lease Model

| Lease Model | Valve Without Ethane | Fitting Without Ethane | Composite Without | Units |
|-------------|-------------------------|---------------------------|----------------------|--------------|
| 1 | 1.4921 | 0.9947 | 2.4868 | lbs/day-well |
| 2 | 0.6999 | 0.6092 | 1.3091 | lbs/day-well |
| 3 | 0.0217 | 0.0673 | 0.0890 | lbs/day-well |
| 4 | 4.5090 | 2.1319 | 6.6409 | lbs/day-well |
| 5 | 0.8628 | 1.9424 | 2.8053 | lbs/day-well |
| 6 | 1.7079 | 2.5006 | 4.2085 | lbs/day-well |

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.

Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.

Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.

Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.

Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.

Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

| Emission Source | lb/day | TPY |
|---|--------|------|
| Valves and Fittings ^a | 4.49 | 0.82 |
| Sumps, Wastewater Tanks and Well Cellars ^b | 8.13 | 1.48 |
| Oil/Water Separators ^b | 0.00 | 0.00 |
| Pumps/Compressors/Well Heads ^a | 0.13 | 0.02 |
| Enhanced Oil Recovery Fields | 0.00 | 0.00 |
| Total ROC Potential to Emit ^c | 12.75 | 2.33 |

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.

b. Emissions reflect control efficiencies where applicable.

c. Due to rounding, the totals may not appear correct

Permit to Operate 08976 - R11

ATTACHMENT A Emission Calculations

| nit Type Emission Calculations | 5 | | | | | |
|--|--|--|---|--|--|--|
| umps, Compressors, and Well H | leads Uncontrolled Em | ission Calculations | | | | |
| | Value | Units | Reference | T | | |
| Imber of Wells | 8 | wells | Permit Application | | | |
| ellhead Emissions | 0.0776 | lb-ROC/day | Calculated Value | | | |
| IC from Pumps | 0.0312 | lb-ROC/day | Calculated Value | | | |
| C from Compressors tal ROC Emissions | 0.5432 | lb-ROC/day lb-ROC/day | Calculated Value Calculated Value | | | |
| | • | | | 1 | | |
| ell Cellars, Sumps, Covered Wa | astewater Tanks, and O | il/Water Separators | <u>3</u> | | | |
| Separation Level | Heavy Oil Service | | Units | | | |
| Primary | 0.0941 | 0.1380 | Ib ROC/ft ² -day | ł | | |
| Secondary Tertiary | 0.0126 | 0.0180 | lb ROC/ft ² -day lb ROC/ft ² -day | ł | | |
| i ci udi y | 0.0000 | 0.0007 | | 1 | | |
| | L CELLARS | | | Level of Separation | | |
| Equipment Type | Number | Total Area (ft ²) | Primary | Secondary | Tertiary | |
| | 8 | 288 | 8.13 | 0.00 | | |
| | | | | | | |
| Well Cellars ^(a) | | | | 0.00 | 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ | ASTEWATER TANKS | | | 0.00 | 0.00 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type | mentation of Rule 344 (Su ASTEWATER TANKS Number | Total Area (ft ²) | Cellars). Primary | 0.00 | | |
| Daily ROC Mes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater | mentation of Rule 344 (Su | | Cellars). | 0.00 | 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) | mentation of Rule 344 (Su ASTEWATER TANKS Number 0 0 0 | Total Area (ft ²) | Cellars). Primary | 0.00 Level of Separation Secondary 0.00 | 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) | mentation of Rule 344 (Su ASTEWATER TANKS Number 0 0 | Total Area (ft ²) 0 0 | Cellars). Primary | 0.00 Level of Separation Secondary | 0.00 Tertiary | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 Emissions (İb/day) | Total Area (ft²) 0 0 0 | Cellars). Primary 0.00 | 0.00 Level of Separation Secondary 0.00 0.00 | 0.00 Tertiary 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER | Mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) | Total Area (ft ²) 0 0 0 RECOVERY | Cellars). Primary 0.00 0.00 | 0.00 Level of Separation Secondary 0.00 0.00 Level of Separation | 0.00 Tertiary 0.00 0.00 | |
| Daily ROC <u>tes:</u> A 70% reduction is applied for imple <u>COVERED WA</u> Equipment Type Covered Wastewater Tank ^(a) Daily ROC <u>tes:</u> A 85% reduction is applied. <u>COVERED WASTEWATER</u> Equipment Type | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 Emissions (İb/day) | Total Area (ft²) 0 0 0 | Cellars). Primary 0.00 | 0.00 Level of Separation Secondary 0.00 0.00 | 0.00 Tertiary 0.00 | |
| <th column<="" td=""><td>Mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 Emissions (Ib/day) TANK WITH VAPOR Number</td><td>Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 0 0</td><td>Cellars). Primary 0.00 0.00 Primary</td><td>0.00 Level of Separation Secondary 0.00 0.00 Level of Separation</td><td>0.00 Tertiary 0.00 0.00 Tertiary</td></th> | <td>Mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 Emissions (Ib/day) TANK WITH VAPOR Number</td> <td>Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 0 0</td> <td>Cellars). Primary 0.00 0.00 Primary</td> <td>0.00 Level of Separation Secondary 0.00 0.00 Level of Separation</td> <td>0.00 Tertiary 0.00 0.00 Tertiary</td> | Mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 Emissions (Ib/day) TANK WITH VAPOR Number | Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 0 0 | Cellars). Primary 0.00 0.00 Primary | 0.00 Level of Separation Secondary 0.00 0.00 Level of Separation | 0.00 Tertiary 0.00 0.00 Tertiary |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) TANK WITH VAPOR 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 | Cellars). Primary 0.00 0.00 Primary 0.00 | 0.00 Level of Separation 0.00 0.00 Level of Separation Secondary 0.00 0 | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) TANK WITH VAPOR Number 0 0 | Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 0 0 | Cellars). Primary 0.00 0.00 Primary | 0.00 Level of Separation Secondary 0.00 0.00 Level of Separation Secondary | 0.00 Tertiary 0.00 0.00 Tertiary | |
| Daily ROC A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC (a) Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC (b) Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC (b) Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC (b) Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 0 0 | Cellars). Primary 0.00 0.00 Primary 0.00 | 0.00 Level of Separation 0.00 0.00 Level of Separation 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0. | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC tes: A 95% reduction is applied. OlL AND WA | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) 0 0 0 0 0 0 Emissions (Ib/day) 0 Emissions (Ib/day) | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cellars). | 0.00 Level of Separation Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 0.00 0.00 | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 0.00 0.00 | |
| Daily ROC 4 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC tes: A 95% reduction is applied. | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 Emissions (Ib/day) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cellars). Primary 0.00 0.00 Primary 0.00 | 0.00 Level of Separation 0.00 0.00 Level of Separation 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0. | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 | |
| Daily ROC tes: A 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC tes: A 95% reduction is applied. OlL AND WA | mentation of Rule 344 (Su ASTEWATER TANKS ASTEWATER TANKS D D D D D D D D D D D D D D D D D D | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cellars). Primary 0.00 0.00 Primary 0.00 0.00 0.00 0.00 Covered | 0.00 Level of Separation Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 0.00 0.00 | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 0.00 0.00 0.00 0.00 | |
| Daily ROC 4 70% reduction is applied for imple COVERED W/ Equipment Type Covered Wastewater Tank ^(a) Daily ROC tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC tes: A 95% reduction is applied. Oll AND WA Equipment Type Oil and Water Separators ^{(a)(b)} | mentation of Rule 344 (Su ASTEWATER TANKS 0 0 0 0 Emissions (Ib/day) TANK WITH VAPOR 0 0 0 Emissions (Ib/day) TER SEPARATORS Total Through 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Cellars). Primary 0.00 0.00 Primary 0.00 0.00 0.00 0.00 Covered | 0.00 Level of Separation 0.00 0.00 Level of Separation 0.00 0.00 0.00 Certain Secondary 0.00 0.00 0.00 Type Vapor Recovery | 0.00 Tertiary 0.00 0.00 Tertiary 0.00 0.00 0.00 | |

PROJECT DESCRIPTION

This facility consists of five oil and gas production wells, five well cellars, three separators, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

CASMALIA ICE PTO 8035-R12 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| 1. | Source Name: Casmalia | IC Engines | | | | |
|-----|--|--|--|-------------------------|------------------|-------------------------------|
| 2. | Four digit SIC Code: 13 | 11 | USEP | A AIRS Pla | nt ID (for APC | D use only): |
| 3. | Parent Company (if diffe | erent than Source Name | e): Pacific Coast E | nergy Acqui | sitions, LLC | |
| 4. | Mailing Address of Resp | oonsible Official: 1555 | Orcutt Hill Road | Orcutt, CA | 93455 | |
| 5. | Street Address of Source | e Location (include Zip | Code): | | | |
| 6. | UTM Coordinates (if rec | quired) (see instructions | s): | | | |
| 7. | Source located within: | 50 miles of the state li | ine | []Yes | [X] No | |
| | | 50 miles of a Native A | American Nation | []Yes | [X] No | [] Not Applicable |
| 8. | Type of Organization: | [X] Corporation | [] Sole Own | ership [] | Government | |
| 9. | Legal Owner's Name: Pac | [] Partnership cific Coast Energy Comp | | mpany | | |
| 10 | . Owner's Agent Name (i | f any): Marianne Strang | _{ge} Title: Environ Consultant | mental _{Telej} | phone #: 805-50 | 64-6590 |
| 11 | . Responsible Official: P | hilip Brown | Title: Chief Ope Officer | rations Tele | phone #: 805-93 | 37-2576 |
| 12 | . Plant Site Manager/Con | tact: Doug Miller | Title: Sr. Produc Foreman | tion Tele | phone #: 805-9 | 937-2576 |
| 13 | . Type of facility: Oil an | nd Gas | | | | |
| 14 | . General description of p | processes/products: | Please refer to a | ittached proj | ect description | |
| 15 | . Does your facility store | , or otherwise handle, § | greater than thresh | old quantitie | es of any substa | nce on the Section 112(r) |
| Lis | st of Substances and their | Thresholds (see Attack | nment A)? [] | Yes [X] | No | |
| 16 | . Is a Federal Risk Manag | gement Plan [pursuant | to Section 112(r)] | required? [|] Not Applica | able []Yes [X]No |
| | | - | lan is registered w | vith appropria | ate agency or d | lescription of status of Risk |
| | anagement Plan submittal plications submitted without | | ed to the applicant in | mmediately as | s "improper" sub | mittals |

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< | |
|--|----------------------------------|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: | |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines | |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 8035-R12 | 6/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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 USE ONLY "" |
|---------------------------------|
| PCD IDS Processing ID: |
| OURCE NAME: Casmalia IC Engines |
| |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|----------------------------------|--|---|
| NOx | 306.70 | | 12.48 |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 0.79 |
| СО | 240.36 | APPLICATION SUBMITTALS | 10.48 |
| SOx | 19.21 | | 0.85 |
| РМ | 7.62 | | 0.07 |
| PM10 | 7.62 | | 0.07 |
| PM2.5 | 7.62 | | 0.07 |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COMBUSTION EMISSION UNIT (Form 1302-C1)

| APCD: | ► APCD USE ONLY <. |
|--|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: < 50 hp ICEs

ATC/PTO Number: 8035 R12

- 2. Equipment description: 4 ICEs APCD Dev #s 005850, 112024, 004492, 004475
- 3. For piston ICEs: [] 2-stroke [X] 4-stroke [] NA
- 4. Equipment make, model & serial number: Please refer to the attached calculations
- 5. Maximum design process rate or maximum power input/output: Please refer to the attached calculations
- 6. Primary use: well pumps
- 7. Burner(s) design, operating temperature and capacity:
- 8. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

- 1. Operating schedule:
 24_____hours/day
 8760___hours/year
- 2. Exhaust gas properties (temperature, SCFM, %H₂O, %O2 or %CO₂, % 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 gas | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

* 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)

| Processing ID: |
|--------------------------|
| AME: Casmalia IC Engines |
| |

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

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | | | |
|--|------------|------|-------|------|------------------|--|--|
| POLLUTANTS | NOx | ROC | СО | Sox | PM, PM10 & PM2.5 | | |
| A. Emissions | 12.48 | 0.79 | 10.48 | 0.85 | 0.07 | | |
| B. Pre-Modification Emissions ¹ | | | | | | | |
| C. Emission Change ² | | | | | | | |
| D. Emission Limit ³ | | | | | | | |
| OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year)4 | | | | | | | |
| POLLUTANTS | 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 | | | | | | | |

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.

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| ► APCD USE ONLY < |
|----------------------------------|
| APCD IDS Processing ID: |
| SOURCE NAME: Casmalia IC Engines |
| |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number 8035-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. Coatings used for maintenance activities.

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: | ► APCD USE ONLY < |
|--|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |
| | |

3. Emissions for Emission Unit(s) described on page(s): fill in at end

| 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 | 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. | | | | | |

ns only; emissions prior to project modification.

 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
 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.

COMPLIANCE PLAN (Form 1302-I1)

| APCD: | ► APCD USE ONLY <. |
|--|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |

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 |
|---|--|--|-------------------------------|-------------------|
| Regulatory Reference ² | Regulation Title ² | | (yes/no/exempt ³) | Date ⁴ |
| 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 | Combustion Units | Yes | In Effect |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes exempt | In Effect |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect |

| Applicable Fede | ral Requirement ¹ | | In compliance? | Effective |
|---|---|---|---|-------------------|
| Regulatory Reference² | Regulation Title² | Affected Emission Unit | (yes/no/exempt ³) | Date ⁴ |
| APCD Rule 343 | Petroleum Storage Tank Degassing | Wash Tank, crude storage tanks, wastewater tanks | 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 rack | Yes | In Effect |
| APCD Rule 353 | Adhesives and Sealants | Maintenance Operations | Yes | In Effect |
| APCD Rule 359 | Flares and Thermal Oxidizers | Flares | Yes | In Effect |
| APCD Rule 360 | Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers | Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr | 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 | 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 | New Source Performance Standards | Entire Source | Yes | In Effect |
| 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 there are no tanks at the Arellanes Lease | In Effect |
| | 2. Jana 200 ago - 00000 | Any new or replacement tanks constructed or modified after July 23, 1984 | Yes | In Effect |
| 40 CFR Part 60 Subpart OOOOa | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities | Entire Source | Yes | In Effect |
| And CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Climate Change | | | |
| 40 CFR Part 61 | National Emission Standards for Hazardous Air Pollutants | All stationary reciprocating internal combustion engines | Yes | In Effect |
| 40 CFR Part 63 | Maximum Achievable Control Technology | None | Exempt per §63.760(e)(1) based on 'black oil' production | In Effect |

| Applicable Fede | ral Requirement ¹ | Affected Emission Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ | |
|---|---|---|--|--------------------------------|--|
| Regulatory Reference² | Regulation Title² | Anected Emission Onit | (yes/no/exempt) | Date | |
| 40 CFR Part 63 Subpart HH | National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities | Entire Source | Exempt – Not a major source of HAP's | 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 There are no ICEs at NR Bonetti Lease | In Effect | |
| 40 CFR Part 64 | Compliance Assurance Monitoring | Emission units with a control device used to comply with an emission standard | Exempt – no control devices used to comply with an emission standard | In Effect | |
| 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.

| Other Applicable Federal Requirements ⁵ NOTE: PC # varies in each PTO | Affected Emission Unit | In compliance? | Effective Date | |
|--|------------------------|-------------------|----------------|--|
| PTO 08035 Condition 1 | All Devices | Yes | In Effect | |
| Emission Limits | | | | |
| PTO 08035 Condition 2. | All Devices | Yes | In Effect | |
| Heat input ,de-rating, fuel S limit, | | | | |
| Maintenance | | | | |
| PTO 08035 Condition 3 | All Devices | Yes | In Effect | |
| Monitoring | | | | |
| PTO 08035 Condition 4 | All Devices | Yes | In Effect | |
| Recordkeeping | | | | |
| PTO 08035 Condition 5 | All Devices | Yes | In Effect | |
| Reporting | | | | |
| PTO 08035 Condition 6 | All Devices | Yes | In Effect | |
| Temporary ICEs | | | 1 - 22 | |
| PTO 08035 Condition 7 | All Devices | Yes | In Effect | |
| Consistency with Analysis | | | | |
| PTO 08035 Condition 8 | All Devices | Yes | In Effect | |
| Equipment Maintenance | | | | |
| PTO 08035 Condition 9 | All Devices | Yes | In Effect | |
| Compliance | | | | |
| PTO 08035 Condition 10 | All Devices | Yes | In Effect | |
| Severability | | | | |
| PTO 08035 Condition 11 | All Devices | Yes | In Effect | |
| Conflict Between Permits | | 37 | | |
| PTO 08035 Condition 12 | All Devices | Yes | In Effect | |
| Access to Records and Facilities | | | | |
| PTO 08035 Condition 13 | All Devices | Yes | In Effect | |
| Equipment Identification | | | | |
| PTO 08035 Condition 14 | All Devices | Yes | In Effect | |
| Emission Factor Revisions | | | | |
| PTO 08035 Condition 15 | All Devices | Yes | In Effect | |
| Nuisance | | 100 | in Liteet | |
| PTO 08035 Condition 16 | All Devices | Yes | In Effect | |
| Grounds for Revocation | | 105 | in Encet | |
| PTO 08035 Condition 17 | All Devices | Yes | In Effect | |
| Transfer of Owner/Operator | | 1.05 | III Ellect | |
| PTO 08035 Condition 18 | All Devices | Yes | In Effect | |
| ICE PMCMP | | 1.05 | in Liteet | |
| PTO 08035 Condition 18 | All Devices | Yes | In Effect | |
| Grounds for Revocation | | 1.05 | III Ellect | |
| PTO 08035 Condition 19 | All Devices | Yes | In Effect | |
| Documents Incorporated by Reference | | | | |
| | | | | |
| | | | | |

conditions associated with such limitations -- listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements.

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN (Form 1302-I2)

| APCD: | ► APCD USE ONLY <. |
|--|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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

Signature of Responsible Official

12/15/23

- 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: | ► APCD USE ONLY <. |
|---|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |

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 | Attachments 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 APCD -01 [] check here if additional forms listed on back | Description of Operating Scenarios X Sample emission calculations Fugitive emission estimates X 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.

Signature of Responsible Official

12/15 Date

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|----------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Casmalia IC Engines |

| List Other Forms or Attachments (cont.) |
|---|
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| |

EMISSION CALCULATIONS

Permit to Operate 08035 - R12

ATTACHMENT A Emission Calculations

| Attachment: Permit Number: Facility: | A-1 Reeval 8035-R Casmalia IC Ei | | | | | | |
|--|--|---------------|-----------------|--------------------|------------|--------------------|--|
| Engine Data | | | | | | | |
| Parameters | | | | Value | Units | Reference / Notes | |
| | Enter R if Rich, | or L if Lean) | | | None | Permit application | |
| | | , | | | bhp | Permit application | |
| Brake Specific Fue | Consumption (H | Higher Heatir | ng Value Basis) | 11,500 | Btu/bhp-hr | Permit application | |
| | | | | | hours/day | Permit application | |
| Annual Hours of Op | peration | | | | hours/year | Permit application | |
| ⁻ uel Data | | | | | | | |
| Parameters | | Value | Units | Reference | | | |
| Sulfur Content of F | | | ppmv | Permit application | | | |
| leat Content of Fu | əl | 1,100 | Btu/scf | Permit application | | | |
| Emission Factors | | | | | | | |
| Pollutant | | Value | Units | | | | |
| NO _x Emission Fact | or | 1.905 | b/MMBtu | | | | |
| ROC Emission Fac | tor | 0.121 | b/MMBtu | | | | |
| CO Emission Facto | | | b/MMBtu | | | | |
| 30 _x Emission Fact | | | b/MMBtu | | | | |
| PM Emission Facto | | | lb/MMBtu | | | | |
| PM ₁₀ Emission Fac | | | Ib/MMBtu | | | | |
| PM _{2.5} Emission Fa | ctor | 0.010 | lb/MMBtu | | | | |
| Spark Ignited ICE | Potential to En | nit | | | | | |
| Pollutant | b/day | ТРҮ | | | | | |
| NO _x | 24.82 | 4.53 | _ | | | | |
| ROC | 1.58 | 0.29 | 4 | | | | |
| CO | 20.84 | 3.80 | _ | | | | |
| SO _x | 1.69 | 0.31 | _ | | | | |
| PM | 0.13 | 0.02 | _ | | | | |
| PM ₁₀ | 0.13 | 0.02 | _ | | | | |
| PM ₂₅ | 0.13 | 0.02 | 1 | | | | |

Permit to Operate 08035 - R12

ATTACHMENT A Emission Calculations

| Attachment: Permit Number: Facility: | A-2 Reeval 8035-R Casmalia IC E | | | | | | |
|---|---------------------------------------|----------------|-----------------|--------------------|------------|--------------------|--|
| Engine Data | | | | | | | |
| Parameters | | | | Value | Units | Reference / Notes | |
| | Enter R if Rich, | or L if Lean). | | | None | Permit application | |
| Engine Rating | | | | 38.4 | bhp | Permit application | |
| | | • | ng Value Basis) | | Btu/bhp-hr | Permit application | |
| • • | | | | | hours/day | Permit application | |
| Annual Hours of Op | eration | | | | hours/year | Permit application | |
| Fuel Data | | | | | | | |
| Parameters | | Value | Units | Reference | | | |
| Sulfur Content of Fi | | | ppmv | Permit application | | | |
| leat Content of Fu | əl | 1,100 | Btu/scf | Permit application | | | |
| Emission Factors | | Value | Units | | | | |
| <u>Pollutant</u> NO _v Emission Fact | or | | b/MMBtu | | | | |
| ROC Emission Fac | | | b/MMBtu | | | | |
| CO Emission Facto | | | b/MMBtu | | | | |
| SO, Emission Fact | | - | b/MMBtu | | | | |
| PM Emission Facto | or | 0.010 | b/MMBtu | | | | |
| PM ₁₀ Emission Fac | | | b/MMBtu | | | | |
| PM _{2.5} Emission Fa | ctor | 0.010 | b/MMBtu | | | | |
| Spark Ignited ICE | Potential to En | nit | | | | | |
| Pollutant | b/day | ТРҮ | | | | | |
| NO _x | 18.43 | 3.36 | | | | | |
| ROC | 1.17 | 0.21 | _ | | | | |
| CO | 15.48 | 2.83 | _ | | | | |
| SO _x | 1.26 | 0.23 | 4 | | | | |
| PM | 0.10 | 0.02 | | | | | |
| PM ₁₀ PM _{2.5} | 0.10 | 0.02 | - | | | | |
| | 1 0 10 | 1 1112 | 1 | | | | |

Permit to Operate 08035 - R12

ATTACHMENT A Emission Calculations

| Attachment: Permit Number: Facility: | A-3 Reeval 8035-R Casmalia IC E | | | | | | |
|---|---------------------------------------|---------------|----------------------|--------------------|------------|--------------------|--|
| Engine Data | | | | | | | |
| Parameters | | | | Value | Units | Reference / Notes | |
| | Enter R if Rich. | or L if Lean) | | | None | Permit application | |
| | | | | | bhp | Permit application | |
| 0 0 | | | ng Value Basis) | | Btu/bhp-hr | Permit application | |
| Daily Hours of Ope | ration | | | 24 | hours/day | Permit application | |
| Annual Hours of Op | peration | | | 8,760 | hours/year | Permit application | |
| Fuel Data | | | | | | | |
| Parameters | | Value | Units | Reference | | | |
| Sulfur Content of F | | 796 | ppmv | Permit application | | | |
| leat Content of Fu | əl | 1,100 | Btu/scf | Permit application | | | |
| Pollutant | | Value | <u>Units</u> | | | | |
| NO _x Emission Fact ROC Emission Fac | | | lb/MMBtu lb/MMBtu | | | | |
| CO Emission Facto | | | b/MMBtu | | | | |
| SO, Emission Fact | | - | b/MMBtu | | | | |
| PM Emission Facto | | | b/MMBtu | | | | |
| PM ₁₀ Emission Fac | :tor | 0.010 | b/MMBtu | | | | |
| PM _{2.5} Emission Fa | ctor | 0.010 | b/MMBtu | | | | |
| Spark Ignited ICE | Potential to En | nit | | | | | |
| Pollutant | b/day | ТРҮ | | | | | |
| NO _x | 12.57 | 2.29 | _ | | | | |
| ROC | 0.80 | 0.15 | _ | | | | |
| CO | 10.56 | 1.93 | _ | | | | |
| SO _x | 0.86 | 0.16 | | | | | |
| PM | 0.07 | 0.01 | | | | | |
| PM ₁₀ PM _{2.5} | 0.07 | 0.01 | | | | | |
| | 1 0.07 | | 1 | | | | |

PROJECT DESCRIPTION

Four produced gas-fired, rich bum internal combustion engines power oil well pumps located throughout the Casmalia Stationary Source. Two of these engines are derated using orifice plates.

MORGANTI LEASE PTO 8096-R12 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| 1. | Source Name: Morganti | Lease Casmalia | | | | | | |
|---|--|--|---------------------------------|-------------------------|----------------|--|--|--|
| 2. | Four digit SIC Code: 13 | USEPA AIRS Plant ID (for APCD use only): | | | | | | |
| 3. | . Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC | | | | | | | |
| 4. | Mailing Address of Resp | onsible Official: 1555 | Orcutt Hill Road | Orcutt, CA 9 | 3455 | | | |
| 5. | Street Address of Source | e Location (include Zip | Code): | | | | | |
| 6. | UTM Coordinates (if rec | juired) (see instructions) |): | | | | | |
| 7. | Source located within: | 50 miles of the state lin | ne | []Yes | [X] No | | | |
| | | 50 miles of a Native A | merican Nation | []Yes | [X] No | [] Not Applicable | | |
| 8. | Type of Organization: | [X] Corporation | [] Sole Owne | rship []C | Government | | | |
| 9. L | legal Owner's Name: Pao | [] Partnership cific Coast Energy Comp | [] Utility Cor any LP | npany | | | | |
| 10. | Owner's Agent Name (i | f any): Marianne Strang | e Title: Environr Consultant | nental _{Telep} | hone #: 805-5 | 64-6590 | | |
| 11. | Responsible Official: P | hilip Brown | Title: Chief Oper Officer | rations Telep | hone #: 805-9 | 37-2576 | | |
| 12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Telephone #: 805-937-2 Foreman | | | | | | 937-2576 | | |
| 13. | Type of facility: Oil an | nd Gas | | | | | | |
| 14. | General description of p | processes/products: | Please refer to a | ttached proje | ct description | | | |
| 15. | Does your facility store, | , or otherwise handle, g | reater than thresho | old quantities | of any substa | nce on the Section 112(r) | | |
| List | t of Substances and their | Thresholds (see Attach | ment A)? [] | Yes [X]] | No | | | |
| | Is a Federal Risk Manag | | | 1 5 | | | | |
| Ma | yes, attach verification th nagement Plan submittal lications submitted without | .) | - | | | lescription of status of Risk mittals | | |

Page <u>1</u> of <u>51</u>

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 08096 - R12 | 6/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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 USE ONLY "" |
|--------------------------------------|
| APCD IDS Processing ID: |
| SOURCE NAME: Morganti Lease Casmalia |
| |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|----------------------------------|--|---|
| NOx | 306.70 | | 1.72 |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 15.93 |
| СО | 240.36 | APPLICATION SUBMITTALS | 9.13 |
| SOx | 19.21 | | 2.99 |
| РМ | 7.62 | | 0.50 |
| PM10 | 7.62 | | 0.50 |
| PM2.5 | 7.62 | | 0.53 |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COMBUSTION EMISSION UNIT (Form 1302-C1)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Glycol Reboiler

ATC/PTO Number: 08096 - R12

- 2. Equipment description:0.10 MMBtu/Hr APCD Dev # 002830
- 3. For piston ICEs: [] 2-stroke [] 4-stroke [] NA
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or maximum power input/output:
- 6. Primary use: Disposal of excess produced gas
- 7. Burner(s) design, operating temperature and capacity:
- 8. Control device(s) type and description (if any):

II. OPERATIONAL INFORMATION

- 1. Operating schedule: _____hours/day _____hours/year
- 2. Exhaust gas properties (temperature, SCFM, %H₂O, %O2 or %CO₂, % 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 gas | 876 MMBtu/yr | 1200 | <796 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

* 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: | ► APCD USE ONLY � |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

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

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|--|------|------|------|------|----------------|
| POLLUTANTS | NOx | ROC | СО | SOX | PM, PM10 PM2.5 |
| A. Emissions | 0.04 | 0.00 | 0.02 | 0.05 | 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 | | | | | |

For permit revisions only; emissions prior to project modification.
 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.

COMBUSTION EMISSION UNIT (Form 1302-C1)

| ► APCD USE ONLY <. |
|--------------------------------------|
| APCD IDS Processing ID: |
| SOURCE NAME: Morganti Lease Casmalia |
| - |

III. EMISSION UNIT DESCRIPTION

1. Equipment type: Heater Treater

ATC/PTO Number: 08096 - R12

- 2. Equipment description: 3.0 MMBtu/Hr APCD Dev #108155
- 3. For piston ICEs: [] 2-stroke [] 4-stroke [] NA
- 4. Equipment make, model & serial number: National Boiler VFH S1050283
- 5. Maximum design process rate or maximum power input/output: 3.0 MMBtu/hr
- 6. Primary use: Disposal of excess produced gas
- 7. Burner(s) design, operating temperature and capacity:
- 8. Control device(s) type and description (if any):

IV. OPERATIONAL INFORMATION

- 1. Operating schedule: _____hours/day _____hours/year
- 2. Exhaust gas properties (temperature, SCFM, %H2O, %O2 or %CO2, % 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 gas | 26280 MMBtu/yr | 1200 | <796 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

* 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: | ► APCD USE ONLY � |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

4. Emissions for Emission Units described on page(s):No associated emissions – cannot operate unit Rule 361 is achieved

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|-----|-----|----|-----|----------------|
| POLLUTANTS | NOx | ROC | СО | SOX | PM, PM10 PM2.5 |
| 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 | | | | | |
| 5 For permit revisions only; emissions prior to project modification. | | | | | |

5 For permit revisions only; emissions prior to project modification.
6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

7 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.

COMBUSTION EMISSION UNIT (Form 1302-C1)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

V. EMISSION UNIT DESCRIPTION

1. Equipment type: Boiler 1 & 2

ATC/PTO Number: 08096 - R12

- 2. Equipment description:0.3.0 & 4.72 MMBtu/Hr APCD Dev # 110345 & 106922
- 3. For piston ICEs: [] 2-stroke [] 4-stroke [] NA
- 4. Equipment make, model & serial number: Ajax HNP3000-W 55660 & Miura LX-200SG 47S43346
- 5. Maximum design process rate or maximum power input/output:
- 6. Primary use: Disposal of excess produced gas
- 7. Burner(s) design, operating temperature and capacity:
- 8. Control device(s) type and description (if any):

VI. OPERATIONAL INFORMATION

- 1. Operating schedule:
 ______hours/day
 ______hours/year
- 2. Exhaust gas properties (temperature, SCFM, %H₂O, %O2 or %CO₂, % 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 gas | 26,280 and 41,347.2 MMBtu/yr | 1200 | <796 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

* 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: | ► APCD USE ONLY � |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

1. Emissions for Emission Units described on page(s): :No associated emissions – cannot operate unit Rule 361 is achieved

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | | | | |
|---|--------------|-----|----|-----|-------------------|--|--|--|
| POLLUTANTS | NOx | ROC | СО | SOX | PM, PM10 PM2.5 | | | |
| 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 | A. Emissions | | | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | | | |
| C. Emission Change ² | | | | | | | | |
| D. Emission Limit ³ | | | | | | | | |
| 9 For permit revisions only; emissions prior to project modification. 10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.). 11 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 | | | | | | | | |

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| APCD: | ► APCD USE ONLY < |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | Č |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number: 08096 - 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. Coatings used for maintenance activities.

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: | ► APCD USE ONLY < |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

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

| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
|----------|---------------|----------------------------|--|
| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
| DLLUTANT | EMISSIONS (to | ons per year) ⁴ | |
| | | 1 2 / | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| - | | ication. | |

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.

ORGANIC LIQUID STORAGE UNIT (Form 1302-E1)

| APCD: Santa Barbara County Air Pollution Control District | | | ► APCD US D IDS PROCESSING ID | D USE ONLY <. G ID: | | |
|--|--|--------------------------|----------------------------------|--|--|--|
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | | | RCE NAME: Morganti Lo | ease Casmalia | | |
| I. EMISSION UNIT DES | CRIPTION | | | | | |
| 1. Equipment type: Crude Oil Tank #1 & 2 ATC/PTO Number: 08096 – R12 | | | | | | |
| 2. Equipment description | : 1000 & 2000 bbl | | | | | |
| 3. Equipment make, mod | lel & serial number: | | Year construct | ted: | | |
| 4. Control device(s) type | and description (if an | y): VRU | | | | |
| II. OPERATIONAL INFO | RMATION | | | | | |
| 1. Operating schedule: <u>2</u> - | | 8760 |) hours/year | | | |
| <u></u> | <u></u> | | | | | |
| | | | | | | |
| 2. Raw material used or p | processed: | | | | | |
| 2. Raw material used or p ORGANIC LIQUID (material name) | orocessed: TRUE VAPOR PRESSURE (psia) | BOILING POINT (°F) | STORAGE TEMPERATURE (°F) | ANNUAL LIQUID THROUGHPUT (gals/year) | | |
| ORGANIC LIQUID | TRUE VAPOR PRESSURE | POINT | TEMPERATURE | THROUGHPUT | | |
| ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | POINT | TEMPERATURE (°F) | THROUGHPUT (gals/year) | | |
| ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | POINT | TEMPERATURE (°F) | THROUGHPUT (gals/year) | | |
| ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | POINT | TEMPERATURE (°F) | THROUGHPUT (gals/year) | | |
| ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | POINT | TEMPERATURE (°F) | THROUGHPUT (gals/year) | | |

III. TANK DESIGN AND SPECIFICATIONS

| 0 1 |] Floating Roof (externation of [] Underground | l) [] Floating Roof (internal) [] Pressure Vessel | [X] Fixed [] Other: |
|--------------------|---|--|-----------------------------|
| - | ons: Max Fill Rate: Height: 12 & 16_ Diameter: 21.5 & 2 | ft Vapor Space: | gal/hr ft |
| | Capacity: | gal | |
| 3. Shell type: | [] Gunited | [] Riveted [] Welded | [] Other: bolted |
| SBC APCD (4.03.06) | | | Page <u>12</u> of <u>51</u> |

ORGANIC LIQUID STORAGE UNIT (Form 1302-E2)

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [] Pan [] Pontoon

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

Primary Seal Shoe Type: [] Metallic Shoe [] Vapor Mounted Resilient Seal [] Liquid Mounted Resilient Seal [] Wiper Seal [] Other: ______ [] 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 & 0.06 | | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER REGULAT | 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 | | | | | |
| For permit revisions only; emissions prior to Difference between Pre-Modification Emission | project modification. ons (Section B.) and Emiss | ions (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.

ORGANIC LIQUID STORAGE UNIT (Form 1302-E1)

| APCD: Santa Barbara County Air Pollution Control District COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | | | ► APCD USE ONLY <. APCD IDS PROCESSING ID: SOURCE NAME: Morganti Lease Casmalia | | |
|--|----------------------------------|--------------------------|--|--|--|
| | | | | | |
| 1. Equipment type: Dilu | ent Tank | | ATC/PTO | Number: 08096 – R12 | |
| 2. Equipment description | n: 750 bbl | | | | |
| 3. Equipment make, mo | del & serial number: | | Year constr | ucted: | |
| 4. Control device(s) type | e and description (if an | y): VRU | | | |
| V. OPERATIONAL INFO | ORMATION | | | | |
| 1. Operating schedule: 2 | | 876 | 0 hours/year | | |
| 2. Raw material used or ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | BOILING POINT (°F) | STORAGE TEMPERATU RE (°F) | ANNUAL LIQUID THROUGHPUT (gals/year) | |
| Diluent | 0.5 | | 64 | 11,497,500 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 3. Throughput profile (% | % of total): 100_Ja | an-Mar 100 <u></u> A | pril-June <u>10</u> | <u>)</u> July-Sep <u>100</u> Oct-D | |

| |] Underground | [] Floating Roof (internal) [] Pressure Vessel | [X] Fixed [] Other: |
|-------------------------|---|---|------------------------|
| 2. Tank specifications: | Max Fill Rate: Height: 24 Diameter: 15.5_ | ft Vapor Space: | gal/hr ft |
| | Capacity: | gal | |
| 3. Shell type: | [] Gunited [|] Riveted [] Welded | [] Other: bolted |

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ORGANIC LIQUID STORAGE UNIT (Form 1302-E2)

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [] Pan [] Pontoon

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

Primary Seal Shoe Type: [] Metallic Shoe [] Vapor Mounted Resilient Seal [] Liquid Mounted Resilient Seal [] Wiper Seal [] Other: ______ [] 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 | | 0.70 | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER REG | ULATED AIR I | POLLUTANT | EMISSIONS (t | ons per year) ⁴ | |
| POLLUTANTS | | | | | |
| A. Emissions | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| 5 For permit revisions only; emissions p | rior to project mod | ification. | | | |

6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

7 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.

ORGANIC LIQUID STORAGE UNIT (Form 1302-E1)

| <i>v</i> | | | ► APCD USE ONLY <. APCD IDS PROCESSING ID: SOURCE NAME: Morganti Lease Casmalia | | | |
|----------|--|-------------------------|--|------------|---|--|
| | | | | | | VII. |
| 1. | Equipment type: Wash | n Tank | | | ATC/PTO Nu | mber: 08096 – R12 |
| 2. | Equipment description | a: 5000 bbl | | | | |
| 3. | Equipment make, mod | lel & serial number: | | | Year construct | ted: |
| 4. | Control device(s) type | and description (if any | y): VRU | | | |
| 1. 2. | Operating schedule: <u>2</u> Raw material used or PRGANIC LIQUID (material name) | | BOILIN POIN (°F) | - | hours/year STORAGE EMPERATURE (°F) | ANNUAL LIQUID THROUGHPUT (gals/year) |
| Crud | le & water | 0.84 | | 145 | | 12,264,000 |
| 3. | Throughput profile (% | 6 of total): 100_Ja | nn-Mar 10 | 0 April-Ju | ne <u>100</u> Ju | ly-Sep <u>100</u> Oct-Dec |

IX. TANK DESIGN AND SPECIFICATIONS

| 0 1 |] Floating Roof (extern pof [] Underground | al) [] Floating Roof (internal) [] Pressure Vessel | [X] Fixed [] Other: |
|-----------------------|--|---|---------------------------------|
| 2. Tank specification | ons: Max Fill Rate: Height: 12 & 16 Diameter: 21.5 & 2 | ft Vapor Space: | gal/hr ft |
| | Capacity: | gal | |
| 3. Shell type: | [] Gunited | [] Riveted [] Welded | [] Other: bolted |
| DCD (1020C) | | | $\mathbf{p} = 16 \mathbf{e} 51$ |

Page <u>16</u> of <u>51</u>

ORGANIC LIQUID STORAGE UNIT (Form 1302-E2)

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [] Pan [] Pontoon

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

Primary Seal Shoe Type: [] Metallic Shoe [] Vapor Mounted Resilient Seal [] Liquid Mounted Resilient Seal [] Wiper Seal [] Other: ______ [] 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 REG | ULATED AIR | POLLUTANT | EMISSIONS (t | ons per year) ⁴ | | |
| POLLUTANTS | | | | | | |
| A. Emissions | | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| 9 For permit revisions only: emissions prior to project modification | | | | | | |

9 For permit revisions only; emissions prior to project modification.

10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

11 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.

ORGANIC LIQUID STORAGE UNIT (Form 1302-E1)

| • | | | ► APCD USE ONLY <. APCD IDS PROCESSING ID: SOURCE NAME: Morganti Lease Casmalia | | |
|---|----------------------------------|--------------------------|--|--|--|
| | | | | | |
| 1. Equipment type: Produ | aced Water Tank #1 & | 2 | ATC/PTO Nun | nber: 08096 – R12 | |
| 2. Equipment description | : 1000 & 1000 bbl | | | | |
| 3. Equipment make, mod | el & serial number: | | Year constructe | ed: | |
| 4. Control device(s) type | and description (if an | y): VRU | | | |
| XI. OPERATIONAL | INFORMATION | | | | |
| 1. Operating schedule: 24 | 1_hours/day | 8760 | 0hours/year | | |
| 2. Raw material used or p | processed: | | | | |
| ORGANIC LIQUID (material name) | TRUE VAPOR PRESSURE (psia) | BOILING POINT (°F) | STORAGE TEMPERATURE (°F) | ANNUAL LIQUID THROUGHPUT (gals/year) | |
| Produced water | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| II. II. II. II. II. II. II. II. II. II. | | | | | |

XII. TANK DESIGN AND SPECIFICATIONS

| e . |] Floating Roof (extern oof [] Underground | al) [] Floating Roof (internal) [] Pressure Vessel | [X] Fixed [] Other: | |
|-----------------------|--|---|-----------------------------|---|
| 2. Tank specification | ons: Max Fill Rate: Height: 12 & 16 Diameter: 21.5 & 2 | ft Vapor Space: | gal/hr ft | |
| | Capacity: | gal | | |
| 3. Shell type: | [] Gunited | [] Riveted [] Welded | [] Other: bolted | _ |
| SBC APCD (4.03.06) | | | Page <u>18</u> of <u>51</u> | |

ORGANIC LIQUID STORAGE UNIT (Form 1302-E2)

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. TANK DESIGN AND SPECIFICATIONS

4. Roof type: [] Pan [] Pontoon

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

Primary Seal Shoe Type: [] Metallic Shoe [] Vapor Mounted Resilient Seal [] Liquid Mounted Resilient Seal [] Wiper Seal [] Other: ______ [] 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 | | | | | |
| A. Emissions | 0.08 & 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 | POLLUTANTS | | | | |
| A. Emissions | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| 13 For permit revisions only; emissions prior to project modification. 14 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.). | | | | | |

14 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
15 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| COMPANY NAME. Tacine Coast Energy Acquisitions, LEC | SOURCE NAME. Morganu Lease Casinana |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Separators
- 2. Equipment type*: Oil and Gas Separators
- Equipment description*: 6 Oil & Gas Separators APCD Dev # 100961, 100968, 100967, 100955, 100972, 113346 ATC/PTO Number: 08096 – R12
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- 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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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

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

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. EMISSION UNIT DESCRIPTION

- 1. General process description: Scrubbers
- 2. Equipment type*: Gas Scrubbers
- 3. Equipment description*: 7 Gas scrubbers APCD Dev # 100954, 100966, 100956, 100969, 100970, 100971, 100957 ATC/PTO Number: 08096 R12
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

IV. OPERATIONAL INFORMATION

 1. Operating schedule:
 24_____ hours/day
 8760____ hours/year

2. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O

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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | | |
|---|------------|--|--|--|--|--|
| POLLUTANTS | 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 | | | | | | |
| 5 For permit revisions only: emissions prior to project modification | | | | | | |

5 For permit revisions only; emissions prior to project modification.

6 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

7 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

I. **EMISSION UNIT DESCRIPTION**

- General process description: Oil and Gas Wellheads 1.
- 2. Equipment type*: Oil and Gas Well
- Equipment description*: 23 Producing and or idle wells 3.
- Equipment make, model & serial number: 4.
- Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day 5.
- Control device(s) type and description (if any): 6.

II. OPERATIONAL INFORMATION

- 24_____ hours/day 1. Operating schedule: 8760 hours/year
- _____ SCFM @______ %H₂O 2. Exhaust gas flow rate:
- 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.) |
|----------------------------|---|---|--|
| | | Oil | 800 bbls/Day |
| | | Produced Gas | 800,000 scf/Day |
| | | | |
| | | | |
| | | | |

* 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)

ATC/PTO Number: 08096 - R12

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

1. Emissions for Emission Units described on page(s): all emissions are fugitive currently calculated with KVB Method.

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|--|-------|--|--|--|
| POLLUTANTS | | ROC | | | |
| A. Emissions | | 0.357 | | | |
| 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 a service service on the environment of an addition | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Sumps & Well Cellars
- 2. Equipment type*: Sumps & Well Cellars
- 3. Equipment description*: 23 well cellars, each with 36 sq. ft. of surface area APCD Dev # 2862, Sumps APCD Dev # 100963, 100962, 2831 ATC/PTO Number: 08096 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 @ _____ %H₂O
- 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.) |
|----------------------------|---|---|--|
| | | | |
| | | | |
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| | | | |

* 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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

1. Emissions for Emission Units described on previous page

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|------|--|--|--|--|
| POLLUTANTS | ROC | | | | |
| A. Emissions | 2.67 | | | | |
| 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 | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Fugitive Hydrocarbon Components -CLP Method
- 2. Equipment type*: Component Leak Paths.
- 3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 08096 R12
- 4. Equipment make, model & serial number: N/A
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- 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.) |
|----------------------------|---|---|--|
| | | | |
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* 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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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 | | 0.60 | | | |
| 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

I EMISSION UNIT DESCRIPTION

- 4. General process description: Loading Rack
- 5. Equipment type*: Oil Loading Rack and Diluent unloading rack
- 6. Equipment description*: APCD Dev # 1097227 & 5286
- 7. Equipment make, model & serial number:
- 8. Maximum design process rate or throughput: 160 bbl / hr
- 9. Control device(s) type and description (if any): N/A

II OPERATIONAL INFORMATION

- 10. Operating schedule: 24_____ hours/day 8760____ hours/year
- 11. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- 12. 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.) |
|----------------------------|---|---|--|
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* 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)

ATC/PTO Number: 08096 - R12

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

3. 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 | | 0.14 | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| OTHER REG | OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴ | | | | | |
| POLLUTANTS | POLLUTANTS | | | | | |
| A. Emissions | | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| | | | | | | |

9 For permit revisions only; emissions prior to project modification.

10 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

11 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

I. EMISSION UNIT DESCRIPTION

- a. General process description: Pigging
- b. Equipment type Pig Launcher
- c. Equipment description*: APCD Dev # 100959
- d. Equipment make, model & serial number:
- e. Maximum design process rate or throughput: N/A
- f. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- a. Operating schedule: 24 hours/day 8760 hours/year
- b. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- c. 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.) |
|----------------------------|---|---|--|
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* 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)

ATC/PTO Number: 08096 – R12

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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 | | 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 | POLLUTANTS | | | | | |
| A. Emissions | | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | | |
| C. Emission Change ² | | | | | | |
| D. Emission Limit ³ | | | | | | |
| 12 Francestantic and a minimum minet and information | | | | | | |

13 For permit revisions only; emissions prior to project modification.

14 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

15 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

V. EMISSION UNIT DESCRIPTION

- 1. General process description: Glycol Contactor
- 2. Equipment type*: Gas Separators
- 3. Equipment description*: APCD Dev #100958
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

VI. OPERATIONAL INFORMATION

- 1. Operating schedule: 24____ hours/day 8760___ hours/year
- 2. Exhaust gas flow rate: _____SCFM @ _____%H₂O
- 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.) |
|----------------------------|---|---|--|
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* 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)

ATC/PTO Number: 08096 – R12

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

5. 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 RE | 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 | | | | | |
| 17 For normality anticipant only anticipant main to anticat the difference | | | | | |

17 For permit revisions only; emissions prior to project modification.

18 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

19 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

I. EMISSION UNIT DESCRIPTION

- a. General process description: Electric Motors & Pumps
- b. Equipment type Electric Motors
- c. Equipment description*: 2 Electric Motors APCD Dev #2829, 100964 & 1 Pump APCD Dev # 100952 ATC/PTO Number: 08096 - R12
- d. Equipment make, model & serial number:
- e. Maximum design process rate or throughput: N/A
- f. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- a. Operating schedule: 24 hours/day 8760 hours/year
- b. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O

c. 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.) |
|----------------------------|---|---|--|
| | | | |
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* 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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

6. 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 | | | | | |
| 21 For normit revisions only amissions prior to project modification | | | | | |

21 For permit revisions only; emissions prior to project modification.

22 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

23 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.

EMISSION CONTROL UNIT (Form 1302-G1)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

I. EQUIPMENT DESCRIPTION

- 1. General process description: Vapor Recovery
- 2. Equipment type: Compressor
- 3. Equipment description: APCD Dev # 2859
- 4. Equipment make, model & serial number: :SN CAS42810
- 5. Emission unit(s) served by this equipment: Tanks and crude loading
- 6. Maximum design or rated capacity:15 HP

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.: | |
| 3. Catalyst data: | Catalyst Type/Ma | terial: | - | |
| | Catalyst Life: | years | Volume: | Ft ³ |
| | Space Velocity: NH3 Inj. Temp.: | Ft ³ /Ft °F | NH3 inj. Rate: | gal/hr |
| 4. Baghouse data: | • • | [] Positive Pressure | e [] | Negative Pressure |
| | Cleaning Method: Fabric Material: | | A.'. (Cl | d D d |
| | Flow Rate: | SCFM | | th Ratio: |
| 5. ESP data: | Number of fields: Power Input: | | Cleanin | g Method: |
| 6. Scrubber data: | Type/design: | | Sorbent Type: | |

7. Other Control Devices (include design information adequate to verify efficiency):

ATC/PTO Number: 08096 - R12

EMISSION CONTROL UNIT (Form 1302-G2)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

III. OPERATIONAL INFORMATION

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

| POLLUTANT (name) | INLET CONCENTRATION ² | OUTLET CONCENTRATION ² | CONTROL EFFICIENCY ² |
|---------------------|-------------------------------------|--------------------------------------|------------------------------------|
| | (ppm or gr/DSCF ¹) | (ppm or gr/DSCF ¹) | (% by weight) |
| DC | | | 95 |
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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: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

IV. EQUIPMENT DESCRIPTION

- 1. General process description: Flare
- 2. Equipment type: Combustion control device
- 3. Equipment description: APCD Dev # 8428
- 4. Equipment make, model & serial number: :
- 5. Emission unit(s) served by this equipment: Tanks and crude loading
- 6. Maximum design or rated capacity:

V. EQUIPMENT DESIGN INFORMATION

| 1. Exhaust gas: | Temperature: | | °F | Flow Rate: | SCFM |
|-------------------|--|---------|---------------|----------------|--------------------------------------|
| | Moisture: | | <u>%</u> | Oxygen: | % |
| | CO ₂ : | | <u>%</u> | | |
| 2. General: | Manufacturer: | | | - | in-Hg |
| | Inlet Temp.: | | | Outlet Temp.: | °F |
| 3. Catalyst data: | Catalyst Type/Ma | terial: | | | |
| | Catalyst Life: | | years | Volume: | $\underline{\qquad}$ Ft ³ |
| | Space Velocity: NH3 Inj. Temp.: | | | NH3 inj. Rate: | gal/hr |
| 4. Baghouse data: | Design: | [] Posi | tive Pressure | e [] | Negative Pressure |
| | Cleaning Method: Fabric Material: Flow Rate: | | SCFM | Air/Clo | th Ratio: |
| 5. ESP data: | Number of fields: | | berm | | ig Method: |
| 5. EST data. | Power Input: | | | Cleanin | g method. |
| 6. Scrubber data: | Type/design: | | | Sorbent Type: | |

7. Other Control Devices (include design information adequate to verify efficiency):

ATC/PTO Number: 08096 - R12

EMISSION CONTROL UNIT (Form 1302-G2)

| ► APCD USE ONLY <. |
|--------------------------------------|
| APCD IDS Processing ID: |
| SOURCE NAME: Morganti Lease Casmalia |
| |

VI. OPERATIONAL INFORMATION

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

| POLLUTANT (name) | INLET CONCENTRATION ² | OUTLET CONCENTRATION ² | CONTROL EFFICIENCY ² |
|---------------------|-------------------------------------|--------------------------------------|------------------------------------|
| | (ppm or gr/DSCF ¹) | (ppm or gr/DSCF ¹) | (% by weight) |
| C | | | 95 |
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4 Provide information adequate to determine efficiency of control.

EXEMPT EMISSIONS UNITS (Form 1302-H)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |
| | |

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

YES X NO

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

| Activity | Description of Activity/Emission Units | Potential to Emit for each Pollutant |
|---------------------|--|--------------------------------------|
| Solvents & Coatings | Lab Cuts & Facility/Equipment Maintenance | 0.1 TPY ROC |
| | | |
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| | | |

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.

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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 |
|---|--|--|-------------------------------|-------------------|
| Regulatory Reference ² | Regulation Title ² | | (yes/no/exempt ³) | Date ⁴ |
| 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 | Combustion Units | Yes | In Effect |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes exempt | In Effect |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect |

| APCD: Santa Barbara County Air Pollution Control District COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | | ► APCD USE ONLY <. APCD IDS Processing ID: | | | |
|--|---|--|---|--|--------------------------------|
| | | quisitions, LLC | SOURCE NAME: Morganti Lease Casmalia | | e Casmalia |
| Applicable Fede Regulatory Reference ² | ral Requirement ¹ Regulation Title ² | Affected Emiss | ion Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ |
| | 5 | | | | |
| APCD Rule 343 | Petroleum Storage Tank Degassing | Wash Tank, crude st wastewater tanks | | Yes | In Effect |
| APCD Rule 344 | Petroleum Wells, Sumps and Cellars | Well cellars, sump, v pits | | Yes | In Effect |
| APCD Rule 346 | Loading of Organic Liquids | Crude oil loading ra | ck | Yes | In Effect |
| APCD Rule 353 | Adhesives and Sealants | Maintenance Operat | ions | Yes | In Effect |
| APCD Rule 359 | Flares and Thermal Oxidizers | Flares | | Yes | In Effect |
| APCD Rule 360 | Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers | Water heaters, boile generators or process a rated heat input cap than or equal to 75,00 up to and including 2 Btu/hr | heaters with acity greater 0 Btu/hour | 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 | 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 | New Source Performance Standards | Entire Source | | Yes | In Effect |
| 40 CFR Part 60 Subpart Kb | | Storage vessels for pe liquids constructed on prior to July 23, 1984 | modified | Exempt there are no tanks at the Arellanes Lease | In Effect |
| - | | Any new or replacem constructed or modifi 23, 1984 | | Yes | In Effect |

| | | | T | | |
|---|---|--|----------------------------|--|------------|
| APCD: | | | | ► APCD USE | ONLY <. |
| Santa Barbara Coun | ty Air Pollution Control | District | APCD IDS | Processing ID: | |
| COMPANY NAME: | Pacific Coast Energy Act | quisitions, LLC | SOURCE N | AME: Morganti Leas | e Casmalia |
| Applicable Federal Requirement ¹ | Affected Emission Unit | In compliance? (ye | s/no/exempt ³) | Effective Date ⁴ | |
| 40 CFR Part 60 Subpart OOOOa | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities | Entire Source | | Yes | In Effect |
| And CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Climate Change | | | | |
| 40 CFR Part 61 | National Emission Standards for Hazardous Air Pollutants | All stationary recipro internal combustion | | Yes | In Effect |
| 40 CFR Part 63 | Maximum Achievable Control Technology | None | | Exempt per §63.760(e)(1) based on 'black oil' production | In Effect |
| Regulatory Reference ² | Regulation Title ² | | | | |
| 40 CFR Part 63 Subpart HH | National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities | Entire Source | | Exempt – Not a major source of HAP's | In Effect |
| 40 CFR Part 63 Subpart ZZZZ | National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines | All stationary recipr internal combustion | | Yes There are no ICEs at NR Bonetti Lease | In Effect |
| 40 CFR Part 64 | Compliance Assurance Monitoring | Emission units with device used to compl emission standard | | Exempt – no control devices used to comply with an emission standard | In Effect |
| 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.

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

| Other Applicable Federal Requirements ⁵ NOTE: PC # varies in each PTO | Affected Emission Unit | In compliance? | Effective Date |
|--|-----------------------------|-------------------|----------------|
| PTO 08096 Condition 1 Emission Limits | All Devices | Yes | In Effect |
| PTO 08096 Condition 2 Operational Restrictions | All Devices | Yes | In Effect |
| PTO 08096 Condition 3 Monitoring | All Devices | Yes | In Effect |
| PTO 08096 Condition 4 Recordkeeping | All Devices | Yes | In Effect |
| PTO 08096 Condition 5 Reporting | All Devices | Yes | In Effect |
| PTO 08096 Condition 6 Compliance with 361 | 2.0-5.0 MMBtu Burners | Yes | In Effect |
| PTO 08096 Condition 7 Facility Fugitive Hydrocarbon Emissions | All component leak paths | Yes | In Effect |
| PTO 08096 Condition 8 Crudfe Oil Sampling | Production tanks | Yes | In Effect |
| PTO 08096 Condition9 Compliance with 346s | Loading Racks | Yes | In Effect |
| PTO 08096 Condition 10 External Combustion | External combustion burners | Yes | In Effect |
| PTO 08096 Condition 11 Requirements for produced gas | All Devices | Yes | In Effect |
| PTO 08096 Condition 12 GHG emission standards | All Devices | Yes | In Effect |
| PTO 08096 Condition 13 Consistency with Analysis | All Devices | Yes | In Effect |
| PTO 08096 Condition 14 Equipment Maintenance | All Devices | Yes | In Effect |
| PTO 08096 Condition 15 Compliance | All Devices | Yes | In Effect |
| PTO 08096 Condition 16 Severability | All Devices | Yes | In Effect |
| PTO 08096 Condition 17 Conflicts between permits | All Devices | Yes | In Effect |
| PTO 08096 Condition 18 Access to Records | All Devices | Yes | In Effect |

SBC APCD (4.03.06)

Page 47 of 51

| APCD: Santa Barbara County Air Pollution Control District COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | | ► APCD USE ONLY <. APCD IDS Processing ID: SOURCE NAME: Morganti Lease Casmalia | | |
|--|---|--|-----------|--|
| | | | | |
| PTO 08096 Condition 19 Equipment ID | All Devices | Yes | In Effect | |
| PTO 08096 Condition 20 Emission Factor Revisions | All Devices | Yes | In Effect | |
| PTO 08096 Condition 21 Nuisance | All Devices | Yes | In Effect | |
| PTO 08096 Condition 22 Grounds for Revocation | All Devices | Yes | In Effect | |
| PTO 08096 Condition 23 Transfer of Owner Operator | All Devices | Yes | In Effect | |
| PTO 08096 Condition 24 Documents incorporated by Reference | All Devices | Yes | In Effect | |
| | mit conditions such as emission, opera nitations listed in all authority to cons | | | |

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-11" appear on each page. ***

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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

Signature of Responsible Official

12/15/22

- 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: | ► APCD USE ONLY <. |
|---|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

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 | Attachments 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 APCD -01 [] check here if additional forms listed on back | Description of Operating Scenarios X Sample emission calculations X 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.

12/15/23

Signature of Responsible Official

Date

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Morganti Lease Casmalia |

| List Other Forms or Attachments (cont.) |
|---|
| |
| |
| |
| |
| |
| |
| |
| |
| |

EXAMPLE EMISSION CALCULATIONS

ATTACHMENT A Emission Calculations

| Permit Number: I Facility: I Basic Input Data Information Liquid Type If TVP is enter Is the tank heated (Y If tank is heate Is tanked to a VRS (Is this a wash tank (Will flashing losses I Breather vent press | A-1 Reeval 8096-R12 Morganti Lease ed, enter TVP temperat fes or No)? ed, enter temperature (°I Yes or No)? Yes or No)? occur (Yes or No)? ure setting range (psi) | ure (°F) | 0.84 145 Yes | <u>Reference</u> Permit Application Permit Application Permit Application Permit Application | |
|---|---|--|---------------------------------|---|----|
| Facility: Basic Input Data Information Liquid Type If TVP is enter If TVP is enter If tank heated (Y If tank is heated Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | Morganti Lease ed, enter TVP temperat 'es or No)? ed, enter temperature (°I Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) | Crude Oil 0.84 145 Yes | Permit Application Permit Application Permit Application | |
| Basic Input Data Information Liquid Type If TVP is enter Is the tank heated (Y If tank is heated Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent pressi | ed, enter TVP temperat 'es or No)? d, enter temperature (° Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) | Crude Oil 0.84 145 Yes | Permit Application Permit Application Permit Application | |
| Information Liquid Type If TVP is enter If TVP is enter Is the tank heated (Y If tank is heated Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | ed, enter TVP temperat és or No)? ed, enter temperature (°l Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) | Crude Oil 0.84 145 Yes | Permit Application Permit Application Permit Application | |
| Liquid Type If TVP is enter Is the tank heated (Y If tank is heated Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | ed, enter TVP temperat és or No)? ed, enter temperature (°l Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) | Crude Oil 0.84 145 Yes | Permit Application Permit Application Permit Application | |
| Liquid TVP If TVP is enter Is the tank heated (Y If tank is heate Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | ed, enter TVP temperat és or No)? ed, enter temperature (°l Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) | 0.84 145 Yes | Permit Application Permit Application | |
| If TVP is enter Is the tank heated (Y If tank is heated Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | ed, enter TVP temperat és or No)? ed, enter temperature (°I Yes or No)? Yes or No)? occur (Yes or No)? | ure (°F) F) | 145 Yes | Permit Application | |
| Is the tank heated (Y If tank is heate Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | Yes or No)? d, enter temperature (°l Yes or No)? Yes or No)? occur (Yes or No)? | F) | Yes | | |
| If tank is heate Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | ed, enter temperature (°l Yes or No)? Yes or No)? occur (Yes or No)? | F) | | Permit Application | |
| Is tanked to a VRS (Is this a wash tank (Will flashing losses Breather vent press | Yes or No)? Yes or No)? occur (Yes or No)? | ······ | 145 | and the second se | |
| ls this a wash tank (Will flashing losses Breather vent press | Yes or No)? occur (Yes or No)? | ····· ` | | Permit Application | |
| Will flashing losses Breather vent press | occur (Yes or No)? | | | Permit Application | |
| Breather vent press | . , | | | Permit Application | |
| · · | ure setting range (psi) | | | Permit Application | |
| | | | 0.06 | Permit Application (default of 0.06 psi) | |
| Tank Data | | | | | |
| Information | | - | Value | <u>Reference</u> | |
| Diameter (feet) | | | 37.6 | Permit Application | |
| Capacity (barrels) | | | 5,000 | Permit Application | |
| Capacity (gallons) | ····· | | 210,000 | Calculated Value | |
| Roof Type (Enter C | if Conical, or D if Dome | Roof) | С | Permit Application | |
| Shell Height (feet) | | | 24 | Permit Application | |
| Roof Height | | ······ | 1 | Permit Application (default of 1 foot) | |
| Average Liquid Heigl | nt (feet) | | 23 | Calculated Value | |
| Tank Paint Color | | I | Medium Gray | Permit Application | |
| Condition (Enter 1 if | Good, or 2 if Poor) | ······ | 1 | Permit Application (default of 0.06 psi) | |
| Jpstream pressure | (psi) | | 0.06 | Permit Application (0 psi when no flashing loses occu | r) |
| Liquid Data | | | | | |
| Information | | | Value | Reference | |
| | oughput (barrels per day | - | | Permit Application | |
| | roughput (gallons) | | | Calculated Value | |
| | | | | RVP Matrix | |
| API Gravity (°) | | ······································ | 10.3 | Permit Application | |
| Vapor Recovery Sy | ystem Data | | | | |
| Information | | | Value | Reference | |
| | tem Long Term Efficier | - | | SBCAPCD | |
| | tem Short Term Efficier | - | | SBCAPCD | |
| | | | | | |
| Tank ROC Potentia | al to Emit | | | | |
| | Uncontrolled Potential to Emit | | | Potential to Emit | |
| | | TPY | lb/day | TPY | |
| Breathing Losses | | 0.01 | 0.00 | 0.00 | |
| Working Losses | | 0.00 | 0.00 | 0.00 | |
| Flashing Losses | | 0.00 | 0.00 | 0.00 | |
| Total | 0.05 | 0.01 | 0.00 | 0.00 | |
| Processed By: | KMB | | | Date: 14-Mar-22 | |

ATTACHMENT A Emission Calculations

| Permit Number: F Facility: N Basic Input Data Information Liquid Type If TVP is entere Is the tank heated (Ye If tank is heated Is tanked to a VRS (Y Is this a wash tank (Y Will flashing losses c | -2 eeval 8096-R12 lorganti Lease d, enter TVP temperature (°F) is or No)? es or No)? es or No)? ccur (Yes or No)? re setting range (psi) | 0.84 145 145 Yes No No | ReferencePermit ApplicationPermit Application (default of 0.06 psi) | |
|---|--|---|---|-----|
| Facility: M Basic Input Data Information Liquid Type If TVP is entered If TVP is entered If tank is heated (Ye If tank is heated If tank is heated (Ye Is this a wash tank (Y Will flashing losses of Breather vent pressu | brganti Lease d, enter TVP temperature (°F) is or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | Crude Oil 0.84 145 Yes 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application | |
| Information Liquid Type If TVP is entered If TVP is entered If tank heated (Y% If tank is heated If tank is heated If tank is heated Is tanked to a VRS (Y Is this a wash tank (Y Will flashing losses of Breather vent pressu | d, enter TVP temperature (°F) s or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | Crude Oil 0.84 145 Yes 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application | |
| iquid Type iquid TVP If TVP is entered the tank heated (Yf If tank is heated tanked to a VRS (Y to a wash tank (Y Will flashing losses of Breather vent pressu | d, enter TVP temperature (°F) s or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | Crude Oil 0.84 145 Yes 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application | |
| iquid Type iquid TVP If TVP is entered the tank heated (Yf If tank is heated tanked to a VRS (Y to a wash tank (Y Will flashing losses of Breather vent pressu | d, enter TVP temperature (°F) s or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | Crude Oil 0.84 145 Yes 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application | |
| Iquid TVP If TVP is entered s the tank heated (Ye If tank is heater s tanked to a VRS (Y s this a wash tank (Y Will flashing losses of Breather vent pressu | d, enter TVP temperature (°F) s or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | 0.84 145 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application | |
| If TVP is entered s the tank heated (Ye If tank is heated s tanked to a VRS (Y s this a wash tank (Y Will flashing losses of Breather vent pressu | d, enter TVP temperature (°F) s or No)? d, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | 145 Yes 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application | |
| If tank is heater s tanked to a VRS (Y s this a wash tank (Y Will flashing losses o Breather vent pressu | l, enter temperature (°F) es or No)? es or No)? ccur (Yes or No)? | 145 Yes No No | Permit Application Permit Application Permit Application Permit Application Permit Application | |
| s tanked to a VRS (Y s this a wash tank (Y Will flashing losses c Breather vent pressu | es or No)? es or No)? ccur (Yes or No)? | Yes No No | Permit Application Permit Application Permit Application | |
| s this a wash tank (Y Will flashing losses o Breather vent pressu | es or No)? ccur (Yes or No)? | No No | Permit Application Permit Application | |
| Will flashing losses o Breather vent pressu | ccur (Yes or No)? | No | Permit Application | |
| Breather vent pressu | | | | |
| | re setting range (psi) | 0.06 | Permit Application (default of 0.06 psi) | |
| Γank Data | | | | |
| | | | | |
| Information | | <u>Value</u> | <u>Reference</u> | |
| Diameter (feet) | | 21.5 | Permit Application | |
| Capacity (barrels) | | 1,000 | Permit Application | |
| Capacity (gallons) | | | Calculated Value | |
| Roof Type (Enter C if | Conical, or D if Dome Roof) | C | Permit Application | |
| Shell Height (feet) | | <mark>12</mark> | Permit Application | |
| 0 | | | Permit Application (default of 1 foot) | |
| Average Liquid Heigh | t (feet) | 6 | Calculated Value | |
| | | | Permit Application | |
| Condition (Enter 1 if (| Good, or 2 if Poor) | 1 | Permit Application (default of 0.06 psi) | |
| Jpstream pressure (| osi) | 0.06 | Permit Application (0 psi when no flashing loses occu | ır) |
| Liquid Data | | | | |
| Information | | Value | Reference | |
| | ighput (barrels per day) | | Permit Application | |
| | oughput (gallons) | | Calculated Value | |
| | | | RVP Matrix | |
| . , | | | Permit Application | |
| √apor Recovery Sy | stem Data | | | |
| Information | | <u>Value</u> | <u>Reference</u> | |
| | em Long Term Efficiency | | SBCAPCD | |
| Vapor Recovery Syst | em Short Term Efficiency | 95.00% | SBCAPCD | |
| Tank ROC Potentia | to Emit | | | |
| L | Uncontrolled Potential to E | | Potential to Emit | |
| | lb/day TPY | lb/day | ТРҮ | |
| Breathing Losses | 0.07 0.01 | 0.00 | 0.00 | |
| Working Losses | 4.13 0.75 | 0.21 | 0.04 | |
| Flashing Losses | 0.00 0.00 | 0.00 | 0.00 | |
| Total | 4.20 0.77 | 0.21 | 0.04 | |
| Processed By: K | MB | | Date: 14-Mar-22 | |

ATTACHMENT A Emission Calculations

| | | | | ALCULATIONS | (Ver. 4.0) |
|---|---|--|--|--|---|
| Attachment: | A-3 | | | | |
| Permit Number: | Reeval 8096-R12 | 2 | | | |
| Facility: | Morganti Lease | | | | |
| Basic Input Data | | | | | |
| nformation | | | <u>Value</u> | <u>Reference</u> | |
| | | | | Permit Application | |
| • | | | | Permit Application | |
| | | mperature (°F) | | Permit Application | |
| , | , | | | Permit Application | |
| | | ture (°F) | | Permit Application | |
| | , , | | | Permit Application | |
| | · / | | | Permit Application | |
| - | |)? | | Permit Application | (defeuth of 0.00 mol) |
| sreather vent press | sure setting range | (psi) | . 0.06 | Permit Application | (default of 0.06 psi) |
| Tank Data | | | | | |
| Information | | | Value | Reference | |
| · · · · | | | | Permit Application | |
| | | | | Permit Application | |
| | | | | Calculated Value | |
| | | Dome Roof) | | Permit Application | |
| | | | | Permit Application | (1-5-1) |
| | | | | Permit Application | (detault of 1 toot) |
| - | | | | | |
| Average Liquid Heig | pht (feet) | | 8 | Calculated Value | |
| Average Liquid Heig Tank Paint Color | Jht (feet) | | 8 Medium Gray | Calculated Value Permit Application | (default of 0.06 psi) |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it | ht (feet) f Good, or 2 if Poc | | 8 . Medium Gray . 1 | Calculated Value Permit Application Permit Application | (default of 0.06 psi) (0 psi when no flashing loses occur) |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 ii Upstream pressure | ht (feet) f Good, or 2 if Poc | r) | 8 . Medium Gray . 1 | Calculated Value Permit Application Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 il Upstream pressure | ht (feet) f Good, or 2 if Poc | r) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data | jht (feet) f Good, or 2 if Poc (psi) | pr) | 8 . Medium Gray .1 . 0.06 <u>Value</u> | Calculated Value Permit Application Permit Application Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr | jht (feet) f Good, or 2 if Poc (psi) | per day) | 8 . Medium Gray .1 . 0.06 | Calculated Value Permit Application Permit Application Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual Th | if (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons | pr) | 8 . Medium Gray .1 . 0.06 | Calculated Value Permit Application Permit Application Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TI RVP (psi) | if (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons | per day)s) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Reference Permit Application Calculated Value | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TI RVP (psi) API Gravity (°) | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons | per day) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Reference Permit Application Calculated Value RVP Matrix | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual Ti RVP (psi) API Gravity (°) Vapor Recovery S | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons | per day) | 8 Medium Gray .1 . 0.06 | Calculated Value Permit Application Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Maximum Daily Thr Maximum Annual Th RVP (psi) API Gravity (°) Vapor Recovery S Information | iht (feet) f Good, or 2 if Poo (psi) oughput (barrels p hroughput (gallons | per day)s) | 8 . Medium Gray .1 . 0.06 | Calculated Value Permit Application Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application RVP Matrix | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TIR RVP (psi) API Gravity (°) Vapor Recovery S Vapor Recovery Sy | iht (feet) f Good, or 2 if Poo (psi) oughput (barrels p hroughput (gallons tystem Data stem Long Term | per day)s) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application RVP Matrix Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TIR RVP (psi) API Gravity (°) Vapor Recovery S Vapor Recovery Sy | iht (feet) f Good, or 2 if Poo (psi) oughput (barrels p hroughput (gallons tystem Data stem Long Term | per day)s) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application RVP Matrix | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Annual TI RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons system Data stem Long Term I stem Short Term | per day)s) | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application RVP Matrix Permit Application | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Maximum Daily Thr Maximum Annual Th RVP (psi) API Gravity (°) Vapor Recovery S Vapor Recovery Sy | int (feet) f Good, or 2 if Poo (psi) oughput (barrels p hroughput (gallons ystem Data stem Long Term I stem Short Term ial to Emit Uncontrolled | er day) ber day) s) Efficiency Efficiency Potential to Emit | 8 . Medium Gray . 1 . 0.06 . 400 . 6.132E+06 . 0.38596 . 10.3 <u>Value</u> .95.00% . 95.00% | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application RVP Matrix Permit Application SBCAPCD SBCAPCD SBCAPCD | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual Th Naximum Annual Th RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Tank ROC Potenti | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons ystem Data stem Long Term I stem Short Term ial to Emit Uncontrolled Ib/day | er day) s) Efficiency Efficiency Potential to Emit TPY | 8 Medium Gray .1 . 0.06 .400 .6.132E+06 .0.38596 .10.3 .10.3 .95.00% .95.00% | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application <u>Reference</u> SBCAPCD SBCAPCD SBCAPCD | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual Th RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Tank ROC Potent Breathing Losses | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons system Data stem Long Term l stem Short Term ial to Emit Uncontrolled Ib/day 0.17 | er day) s) Efficiency Efficiency Potential to Emit TPY 0.03 | 8 Medium Gray .1 .0.06 .400 .6.132E+06 .0.38596 .10.3 .10.3 <u>Value</u> .95.00% .95.00% .95.00% | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application <u>Reference</u> SBCAPCD SBCAPCD SBCAPCD SBCAPCD | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TI RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Tank ROC Potenti Breathing Losses Working Losses | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons system Data stem Long Term I stem Short Term ial to Emit Uncontrolled Ib/day 0.17 6.47 | er day) EfficiencyEfficiency Potential to Emit TPY 0.03 1.18 | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application <u>Reference</u> SBCAPCD SBCAPCD SBCAPCD SBCAPCD | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TI RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Tank ROC Potenti Breathing Losses Working Losses Flashing Losses | int (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons system Data stem Long Term I stem Short Term ial to Emit Uncontrolled Ib/day 0.17 6.47 0.00 | per day) Efficiency Efficiency Efficiency Potential to Emit TPY 0.03 1.18 0.00 | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application Calculated Value RVP Matrix Permit Application <u>Reference</u> SBCAPCD SBCAPCD SBCAPCD SBCAPCD | |
| Average Liquid Heig Tank Paint Color Condition (Enter 1 it Upstream pressure Liquid Data Information Maximum Daily Thr Maximum Annual TI RVP (psi) API Gravity (°) Vapor Recovery Sy Vapor Recovery Sy Vapor Recovery Sy Tank ROC Potenti Breathing Losses Working Losses | iht (feet) f Good, or 2 if Poc (psi) oughput (barrels p hroughput (gallons system Data stem Long Term I stem Short Term ial to Emit Uncontrolled Ib/day 0.17 6.47 | er day) EfficiencyEfficiency Potential to Emit TPY 0.03 1.18 | 8 Medium Gray .1 .0.06 | Calculated Value Permit Application Permit Application Permit Application Calculated Value RVP Matrix Permit Application <u>Reference</u> SBCAPCD SBCAPCD SBCAPCD SBCAPCD | |

ATTACHMENT A Emission Calculations

| Permit Number: F Facility: M Basic Input Data Information Liquid Type If TVP is enterd Is the tank heated (Y If tank is heated Is this a wash tank () Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | ↓4 Reeval 8096-R12 //organti Lease ed, enter TVP temperature (°F)es or No)? | 0.5 67 No No No No 0.06 <u>Value</u> 15.5 | Reference Permit Application Permit Application (default of 0.06 psi) | |
|---|---|--|---|------|
| Information Liquid Type If TVP is entern If TVP is entern If tank is heated (Yi If tank is heated to a VRS () Is this a wash tank () Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | ed, enter TVP temperature (°F) es or No)? /es or No)? /es or No)? occur (Yes or No)? ire setting range (psi) | Crude Oil 0.5 67 No No No No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Liquid Type If TVP is entern If TVP is entern If tank heated (Yi If tank is heate Is tanked to a VRS (` Is this a wash tank (` Will flashing losses (` Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | ed, enter TVP temperature (°F) es or No)? /es or No)? /es or No)? occur (Yes or No)? ire setting range (psi) | Crude Oil 0.5 67 No No No No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Liquid Type If TVP is entern If TVP is entern If tank heated (Yi If tank is heate Is tanked to a VRS (` Is this a wash tank (` Will flashing losses (` Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | ed, enter TVP temperature (°F) es or No)? /es or No)? /es or No)? occur (Yes or No)? ire setting range (psi) | Crude Oil 0.5 67 No No No No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Liquid TVP If TVP is enterd Is the tank heated (Y If tank is heated Is tanked to a VRS (Y Is this a wash tank (Y Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | ed, enter TVP temperature (°F) es or No)? /es or No)? /es or No)? occur (Yes or No)? ire setting range (psi) | 0.5 67 No No No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Is the tank heated (Yi If tank is heate Is tanked to a VRS (\ Is this a wash tank (\ Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | es or No)? d, enter temperature (°F) /es or No)? /es or No)? occur (Yes or No)? rre setting range (psi) | No No No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| If tank is heate Is tanked to a VRS (\ Is this a wash tank (\ Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | d, enter temperature (°F) /es or No)? /es or No)? pccur (Yes or No)? re setting range (psi) | N/A No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Is tanked to a VRS (\ Is this a wash tank (\ Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | /es or No)? /es or No)? occur (Yes or No)? re setting range (psi) | No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Is this a wash tank (Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | /es or No)? occur (Yes or No)? re setting range (psi) | No No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application Permit Application (default of 0.06 psi) | |
| Will flashing losses of Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | occur (Yes or No)? | No 0.06 <u>Value</u> 15.5 | Permit Application Permit Application (default of 0.06 psi) | |
| Breather vent pressu Tank Data Information Diameter (feet) Capacity (barrels) | rre setting range (psi) | 0.06 <u>Value</u> 15.5 | Permit Application (default of 0.06 psi) | |
| Tank Data Information Diameter (feet) Capacity (barrels) | | <u>Value</u> 15.5 | Reference | |
| <i>Information</i> Diameter (feet) Capacity (barrels) | | 15.5 | | |
| Diameter (feet) Capacity (barrels) | | 15.5 | | |
| Capacity (barrels) | | | Permit Application | |
| | | 750 | r onner ppiloadon | |
| Capacity (gallons) | | | Permit Application | |
| | ••••• | | Calculated Value | |
| ••• | f Conical, or D if Dome Roof) | | Permit Application | |
| Shell Height (feet) | | 24 | Permit Application | |
| | | | Permit Application (default of 1 foot) | |
| | t (feet) | | Calculated Value | |
| | | · · · · · · · · · · · · · · · · · · · | Permit Application | |
| | Good, or 2 if Poor) | | Permit Application (default of 0.06 psi) | |
| Jpstream pressure (| psi) | 0.06 | Permit Application (0 psi when no flashing loses oc | our) |
| Liquid Data | | | | |
| Information | | Value | Reference | |
| | ughput (barrels per day) | | Permit Application | |
| - | roughput (gallons) | | Calculated Value | |
| | | | RVP Matrix | |
| API Gravity (°) | | 20 | Permit Application | |
| Vapor Recovery Sy | stem Data | | | |
| | | | | |
| Information | | Value | Reference | |
| | tem Long Term Efficiency | | SBCAPCD | |
| vapor Recovery Sys | tem Short Term Efficiency | 95.00% | SBCAPCD | |
| Tank ROC Potentia | I to Emit | | | |
| | Uncontrolled Potential to Emit | | Potential to Emit | |
| | Ib/day TPY | lb/day | TPY | |
| Breathing Losses | 0.73 0.13 | 0.73 | 0.13 | |
| Working Losses | 3.13 0.57 | 3.13 | 0.57 | |
| Flashing Losses | 0.00 0.00 | 0.00 | 0.00 | |
| Total | 3.86 0.70 | 3.86 | 0.70 | |
| Processed By: | (MB | | Date: 14-Mar-22 | |

ATTACHMENT A Emission Calculations

| ttachment: A-5 ermit Number: Reeval 8096-R12 acility: Morganti Lease | | | | | | | | | |
|--|---|--|---|--|--|--|--|--|--|
| acility Information | | | | | | | | | |
| iacility Type (Enter X Where Appropriate) Production Field | Gas Processing Plant | | Refinery | | Offshore Platform | | | | |
| Gas/Condensate Service Component | | | | | | | | | |
| Component Type | Component Count | THC Emission Factor (lb/day-clp)* | ROC/THC Ratio | Uncontrolled ROC Emission (lb/day) | Control Efficiency ^{b,c} | Controlled ROC Emission (lb/hr) | Controlled ROC Emission (lb/day) | Controlled ROC Emission (Tons/Qtr) | Controlled ROC Emission (Tons/Yr |
| alves - Accessible/Inaccessible | 65 | 0.295 | 0.31 | 5.94 | 0.80 | 0.05 | 1.19 | 0.05 | 0.22 |
| /aives - Unsafe | 0 | 0.295 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| /alves Bellows | 0 | 0,295 | 0.31 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Bellows / Background ppmv | 0 | 0.295 | 0.31 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category A | 0 | 0.295 | 0.31 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category B /alves - Category C | 0 | 0.295 | 0.31 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category D | 0 | 0.295 | 0.31 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category E | 0 | 0.295 | 0.31 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category F | 0 | 0,295 | 0.31 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category G | 0 | 0.295 | 0.31 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| langes/Connections - Accessible/Inaccessible | 256 | 0.070 | 0.31 | 5.56 | 0.80 | 0.05 | 1.11 | 0.05 | 0.20 |
| anges/Connections - Unsafe | 0 | 0.070 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| anges/Connections - Category A | 0 | 0.070 | 0.31 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| anges/Connections - Category B | 0 | 0.070 | 0.31 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| anges/Connections - Category C anges/Connections - Category D | 0 | 0.070 | 0.31 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| anges/Connections - Category D anges/Connections - Category E | 0 | 0.070 | 0.31 | 0.00 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| anges/Connections - Category E | 0 | 0.070 | 0.31 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| langes/Connections - Category G | 0 | 0.070 | 0.31 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| compressor Seals - To Atm | 1 | 2,143 | 0.31 | 0.66 | 0.80 | 0.01 | 0.13 | 0.01 | 0.02 |
| Compressor Seals - To VRS | 0 | 2,143 | 0.31 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SV - To Atm/Flare | 2 | 6.670 | 0.31 | 4.14 | 0.80 | 0.03 | 0.83 | 0.04 | 0.15 |
| PSV - To VRS | 0 | 6.670 | 0.31 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pump Seals - Single | 0 | 1.123 | 0.31 | 0.00 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pump Seals - Dual/Tandem | 0 | 1.123 | 0.31 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Gas Condensate Subtotals | 324 | | | 16.30 | | 0.14 | 3.26 | 0.15 | 0.59 |
| Dil Service Components | Component Count | THC Emission Factor (lb/day-clp) ^a | ROC/THC Ratio | Uncontrolled ROC Emission (lb/day) | Control Efficiency ^{b,c} | Controlled ROC Emission (lb/hr) | Controlled ROC Emission (lb/day) | Controlled ROC Emission (Tons/Qtr) | Controlled ROC Emission (Tons/Yr |
| /alves - Accessible/Inaccessible | 45 | 0.004 | 0.56 | 0.10 | 0.80 | 0.00 | 0.02 | 0.00 | 0.00 |
| /alves - Unsafe | 0 | 0.004 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Bellows | 0 | 0.004 | 0.56 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0 | | 0.56 | | | | 0.00 | 0.00 | 0.00 |
| | | 0.004 | | | 0.84 | | | | |
| alves - Category A | 0 | 0.004 | | 0.00 | 0.84 | 0.00 | | | 0.00 |
| alves - Category A alves - Category B | | 0.004 0.004 0.004 | 0.56 | 0.00 | 0.84 0.85 0.87 | 0.00 0.00 0.00 | 0.00 | 0.00 | 0.00 |
| alves - Category A alves - Category B alves - Category C alves - Category D | 0 | 0.004 | 0.56 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | |
| alves - Category A alves - Category B alves - Category C alves - Category D alves - Category F | 0 0 0 0 | 0.004 0.004 0.004 0.004 | 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 | 0.85 0.87 0.87 0.88 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| alves - Category A alves - Category B alves - Category C alves - Category D alves - Category F alves - Category F | 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 | 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 | 0.85 0.87 0.87 0.88 0.90 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category C ahes - Category E ahes - Category F ahes - Category G | 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 | 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category D ahes - Category D ahes - Category F ahes - Category F ahes - Category G anges/Connections - Accessible haccessible | 0 0 0 0 0 0 130 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 |
| alves - Category A alves - Category B alves - Category C alves - Category D alves - Category D alves - Category F alves - Category F alves - Category G langes/Connections - Accessible/Inaccessible langes/Connections - Unsafe | 0 0 0 0 0 0 130 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.01 0.00 |
| alwes - Category A alwes - Category B alwes - Category C alwes - Category C alwes - Category F alwes - Category F alwes - Category F alwes - Category G anges/Connections - Accessible/haccessible anges/Connections - Category A | 0 0 0 0 0 0 130 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 0.00 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.00 0.84 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category C ahes - Category D ahes - Category F ahes - Category F ahes - Category G anges/Connections - Accessible/Inaccessible anges/Connections - Linsafe anges/Connections - Category A anges/Connections - Category B | 0 0 0 0 0 0 130 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.01 0.00 |
| alves - Category A alves - Category C alves - Category C alves - Category C alves - Category F alves - Category F alves - Category F alves - Category G anges/Connections - Accessible/Inaccessible langes/Connections - Category A anges/Connections - Category A anges/Connections - Category C | 0 0 0 0 0 0 130 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 0.00 0.00 | 0.85 0.87 0.88 0.90 0.92 0.80 0.00 0.84 0.85 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.01 0.01 0.00 0.00 |
| alves - Category A alves - Category D alves - Category C alves - Category D alves - Category D alves - Category E alves - Category F alves - Category F alves - Category G anges/Connections - Accessible Inaccessible anges/Connections - Category A anges/Connections - Category D anges/Connections - Category D | 0 0 0 0 0 0 130 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.15 0.00 0.00 | 0.85 0.87 0.88 0.90 0.92 0.80 0.00 0.84 0.85 0.87 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.03 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 |
| alves - Category A alves - Category B alves - Category C alves - Category C alves - Category T alves - Category F alves - Category G anges/Connections - Accessible/haccessible anges/Connections - Category A anges/Connections - Category A anges/Connections - Category C anges/Connections - Category C anges/Connections - Category C anges/Connections - Category C anges/Connections - Category F anges/Connections - Category F | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 | $\begin{array}{c} 0.56 \\ 0.$ | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.85 0.87 0.88 0.90 0.92 0.80 0.92 0.80 0.92 0.80 0.84 0.85 0.87 0.87 0.87 0.88 0.90 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.01 0.01 0.00 0.00 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category D ahes - Category D ahes - Category E ahes - Category F ahes - Category G anges/Connections - Accessible/Inaccessible langes/Connections - Category A langes/Connections - Category B langes/Connections - Category B langes/Connections - Category D langes/Connections - Category D langes/Connections - Category D langes/Connections - Category E langes/Connections - Category F langes/Connections - Category F langes/Connections - Category F langes/Connections - Category F langes/Connections - Category F | 0 0 0 0 0 0 130 0 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 | $\begin{array}{c} 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \\ 0.56 \end{array}$ | 0.00 0.00 0.00 0.00 0.00 0.00 0.15 0.00 0.00 | 0.85 0.87 0.87 0.90 0.90 0.92 0.80 0.80 0.82 0.84 0.85 0.87 0.87 0.87 0.88 0.90 0.92 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |
| alves - Category A alves - Category C alves - Category C alves - Category C alves - Category E alves - Category F alves - Category F alves - Category G Connections - Category A langes/Connections - Category A langes/Connections - Category C langes/Connections - Category C langes/Connections - Category F langes/Connections - Category F langes/Conne | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0. | $\begin{array}{c} 0.56 \\ 0.$ | 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.80 0.80 0.84 0.85 0.87 0.87 0.87 0.88 0.90 0.90 0.92 0.92 0.80 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category D ahes - Category D ahes - Category F ahes - Category G anges/Connections - Accessible Inaccessible anges/Connections - Category A langes/Connections - Category A langes/Connections - Category A langes/Connections - Category D langes/Connections - Category F langes/Connections - Category G SV - To Alm/Flare | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.15 0.00 | 0.85 0.87 0.87 0.88 0.90 0.90 0.90 0.80 0.80 0.85 0.87 0.87 0.87 0.88 0.88 0.87 0.88 0.90 0.92 0.92 0.80 0.80 1.00 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |
| alves - Category A alves - Category C alves - Category C alves - Category C alves - Category F alves - Category F alves - Category F alves - Category F alreges/Connections - Accessible/haccessible langes/Connections - Category A langes/Connections - Category A langes/Connections - Category C langes/Connections - Category F langes/Connections - Category F langes/Connections - Category G SV - To Alm/Fare SV - To VRS um 5 Setts - Single | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.004 0. | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.15 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.80 0.80 0.84 0.85 0.87 0.87 0.87 0.88 0.90 0.90 0.92 0.90 0.92 0.90 0.92 0.80 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |
| ahes - Category A ahes - Category B ahes - Category D ahes - Category C ahes - Category C ahes - Category F ahes - Category F ahes - Category F ahes - Category G langes/Connections - Accessible/haccessible langes/Connections - Category A langes/Connections - Category B langes/Connections - Category C langes/Connections - Category E langes/Connections - Category E langes/Connections - Category G 'SV - To Atm/Flare SV - To Atm/Flare SV - To XtmS turp Seals - Single turp Seals - Single | 0 0 0 0 0 0 0 130 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 | 0.85 0.87 0.87 0.88 0.90 0.90 0.90 0.80 0.80 0.85 0.87 0.87 0.87 0.88 0.88 0.87 0.88 0.90 0.92 0.92 0.80 0.80 1.00 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 |
| ahes - Category A ahes - Category B ahes - Category C ahes - Category C ahes - Category C ahes - Category E ahes - Category F ahes - Category G langes/Connections - Category A langes/Connections - Category A langes/Connections - Category A langes/Connections - Category B langes/Connections - Category C langes/Connections - Category F langes/Connections - Category F langes/Connec | 0 0 0 0 0 0 0 130 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.004 0. | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 0.00 0.00 0.00 0.00 0.15 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.80 0.80 0.84 0.85 0.87 0.87 0.87 0.88 0.90 0.90 0.92 0.90 0.92 0.90 0.92 0.80 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |
| alves - Bellows / Background ppmv alves - Category A alves - Category B alves - Category C alves - Category C alves - Category C alves - Category F alves - Category F alves - Category G alrages/Connections - Category A larges/Connections - Category B larges/Connections - Category B larges/Connections - Category C larges/Connections - Category C larges/Connections - Category B larges/Connections - Category B la | 0 0 0 0 0 0 0 130 0 0 0 0 0 0 0 0 0 0 0 | 0.004 0.004 0.004 0.004 0.004 0.004 0.002 0.004 0. | 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56 | 0.00 | 0.85 0.87 0.87 0.88 0.90 0.92 0.80 0.80 0.80 0.84 0.85 0.87 0.87 0.87 0.88 0.90 0.90 0.92 0.90 0.92 0.90 0.92 0.80 | 0.00 | 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 |

Date: 14-Mar-22

Processed By: KMB

ATTACHMENT A Emission Calculations

| | | CARBON EMISS | Page 1 of | | | - (1011010) |
|---|--|---|--|--|------------------------|--|
| | • • | | | | | |
| ttachment: | A-6 | | | | | |
| Permit Number: | | | | | | |
| acility: | Morganti Lease | | | | | |
| nput Data | | | | | | |
| acility Informatio | | | | Value | <u>Units</u> | Reference |
| | | | | | wells | Permit Application |
| • | | | | | scf/day | Permit Application |
| | | | | | bbls/day | Permit Application |
| , | `` | n default to 501) | | | scf/bbl | Permit Application |
| | | | | | degrees API | Permit Application |
| , | | ol Vents | | | dimensionless wells | User Input |
| | | ntrolled Vents | | | wells | Permit Application Permit Application |
| | | Control Vents | | | wells | Permit Application |
| • | | Uncontrolled Vents | | | wells | Permit Application |
| | | on Factor | | | lb/day-well | Table Below |
| Lease Model | Valve Without | Fitting Without | Composite | Units | | |
| | Ethane | Ethane | Without | | _ | |
| 2 | 1.4921 0.6999 | 0.9947 0.6092 | 2.4868 1.3091 | lbs/day-well lbs/day-well | _ | |
| 3 | 0.0333 | 0.0673 | 0.0890 | lbs/day-well | _ | |
| 4 | 4.5090 | 2.1319 | 6.6409 | lbs/day-well | | |
| 5 | 0.8628 | 1.9424 | 2.8053 | lbs/day-well | | |
| 6 | 1.7079 | 2.5006 | 4.2085 | lbs/day-well | | |
| Aodel #2: Numbe Aodel #3: Numbe Aodel #4: Numbe Aodel #5: Numbe Aodel #6: Numbe | er of wells on lease er of wells on lease er of wells on lease er of wells on lease er of wells on lease | is less than 10 and th is between 10 and 50 is greater than 50 and is less than 10 and th is between 10 and 50 is greater than 50 and s numbers 529, 530, 5 | and the GOR is le the GOR is less the GOR is greater and the GOR is g the GOR is great | ess than 500. than 500. than 500. greater than 500. | | |
| | Potential to Emit | : | lb/day | тру | | |
| mission Source | | | lb/day 13.47 | 2.46 | | |
| umns Wastew | is ater Tanks and We | ll Cellars ^b | 37.87 | 6.91 | | |
| il/Water Separa | tors ^b | | 0.00 | 0.00 | 7 | |
| | sors/Well Heads ^a | | 0.39 | 0.07 | 7 | |
| nhanced Oil Re | | | 0.00 | 0.00 | | |
| otal ROC Pote | | | 51.73 | 9.44 | | |
| lotes: | | luction due to Rule 331 i | | | | |

ATTACHMENT A Emission Calculations

| it Type Emission Calculations | | | | | |
|---|---|--|--|---|--|
| mps, Compressors, and Well He | aads I Incontrolled Err | nission Calculations | | | |
| nps, compressors, and weir ne | aus oncontrolled Em | | | | |
| | Value | Units | Reference | | |
| mber of Wells | 24 | wells | Permit Application | | |
| Ilhead Emissions | 0.2328 | lb-ROC/day | Calculated Value | | |
| C from Pumps | 0.0936 | lb-ROC/day | Calculated Value | | |
| C from Compressors | 1.6296 | lb-ROC/day | Calculated Value | | |
| al ROC Emissions | 1.96 | b-ROC/day | Calculated Value | | |
| *** | | | | | |
| Il Cellars, Sumps, Covered Was | stewater Lanks, and C | Dil/Water Separator | <u>s</u> | | |
| Separation Level | Heavy Oil Service | Light Oil Service | Units | | |
| Primary | 0.0941 | 0.1380 | b ROC/ft ² -day | | |
| Secondary | 0.0126 | 0.0180 | lb ROC/ft ² -day | | |
| Tertiary | 0.0058 | 0.0087 | b ROC/ft ² -day | | |
| 2 | | • | | | |
| | CELLARS | - | | Level of Separation | |
| Equipment Type | Number | Total Area (ft ²) | Primary | Secondary | Tertiary |
| | 24 | 768 | 21.68 | | |
| Well Cellars ^(a) | 2 | 39 | | 0.49 | |
| | 1 | 10 | | 0.13 | |
| D-ih DOO D | 1 Emissions (Ib/day) | 2,608 | 21.68 | 0.62 | 15.13 15.13 |
| Bully Nee E | | | 21.00 | 0102 | 13.13 |
| | | | Cellars). | | |
| | | | Cellars). | | |
| COVERED WA | STEWATER TANKS | • | , | Level of Separation | Tortion |
| COVERED WA Equipment Type | STEWATER TANKS | Total Area (ft ²) | Primary | Level of Separation Secondary | Tertiary |
| COVERED WA Equipment Type Covered Wastewater | STEWATER TANKS | Total Area (ft ²) 0 | , | Secondary | Tertiary |
| COVERED WA Equipment Type | STEWATER TANKS Number 0 0 | Total Area (ft²) 0 0 | Primary | | |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) | STEWATER TANKS Number 0 0 0 | Total Area (ft ²) 0 | Primary 0.00 | Secondary 0.00 | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) | STEWATER TANKS Number 0 0 | Total Area (ft²) 0 0 | Primary | Secondary | |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 | Total Area (ft²) 0 0 | Primary 0.00 | Secondary 0.00 | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 | Total Area (ft²) 0 0 | Primary 0.00 | Secondary 0.00 | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 | Total Area (ft²) 0 0 | Primary 0.00 | Secondary 0.00 | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: & 85% reduction is applied. COVERED WASTEWATER | STEWATER TANKS Number 0 0 0 missions (Ib/day) | Total Area (ft²) 0 0 0 | Primary 0.00 | Secondary 0.00 0.00 Level of Separation | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: . 85% reduction is applied. | STEWATER TANKS Number 0 0 0 missions (Ib/day) | Total Area (ft²) 0 0 0 | Primary 0.00 0.00 0.00 Primary | Secondary 0.00 0.00 | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: 85% reduction is applied. COVERED WASTEWATER Equipment Type | STEWATER TANKS 0 0 0 0 missions (lb/day) TANK WITH VAPOR Number 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 | Primary 0.00 0.00 | 0.00 0.00 Level of Separation Secondary | 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater | STEWATER TANKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 TANK WITH VAPOR 0 2 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 0.00 Primary | Secondary 0.00 0.00 Level of Separation | 0.00 0.00 Tertiary |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 | 0.00 0.00 Tertiary 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | STEWATER TANKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 TANK WITH VAPOR 0 2 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 0.00 Primary | 0.00 0.00 Level of Separation Secondary | 0.00 0.00 Tertiary |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: a 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 | 0.00 0.00 Tertiary 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: x 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 | 0.00 0.00 Tertiary 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: x 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 | 0.00 0.00 Tertiary 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: 85% reduction is applied. Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E es: 95% reduction is applied. | STEWATER TANKS Number 0 0 missions (lb/day) TANK WITH VAPOR Number 0 2 0 missions (lb/day) | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 701 0 709 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 0.45 | 0.00 0.00 Tertiary 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: a 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E es: a 95% reduction is applied. | STEWATER TANKS Number 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 missions (lb/day) TER SEPARATORS | Total Area (ft²) 0 0 0 0 0 RECOVERY Total Area (ft²) 0 709 0 0 | Primary 0.00 0.00 Primary 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 0.45 0.45 | 0.00 0.00 Tertiary 0.00 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E es: A 85% reduction is applied. Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E es: A 95% reduction is applied. | STEWATER TANKS Number 0 0 0 missions (Ib/day) TANK WITH VAPOR 0 2 0 missions (Ib/day) TER SEPARATORS Total Through | Total Area (ft²) 0 0 0 <i>RECOVERY</i> Total Area (ft²) 0 709 0 0 nput (MMgal) | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 0.45 | 0.00 0.00 Tertiary 0.00 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Covered Wastewater Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Covered Wastewater | STEWATER TANKS O Number O O missions (lb/day) TANK WITH VAPOR O C missions (lb/day) ER SEPARATORS Total Through 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 709 0 0 0 0 0 0 0 0 0 0 0 0 0 | Primary 0.00 0.00 Primary 0.00 0.00 | Secondary 0.00 0.00 0.00 Level of Separation Secondary 0.45 0.45 0.45 Vapor Recovery | 0.00 0.00 Tertiary 0.00 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E (es: A 85% reduction is applied. Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E (es: A 95% reduction is applied. OiL AND WAT Equipment Type | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR 0 TANK WITH VAPOR 0 C missions (Ib/day) TER SEPARATORS Total Throug 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.45 0.45 0.45 | 0.00 0.00 Tertiary 0.00 0.00 0.00 0.00 |
| Equipment Type Covered Wastewater Tank ^(a) Daily ROC E tes: A 85% reduction is applied. Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E tes: A 95% reduction is applied. OlL AND WAT Equipment Type Oil and Water Separators ^{(a)(b)} | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 2 0 missions (lb/day) ER SEPARATORS Total Through 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 0.00 Level of Separation Secondary 0.45 0.45 0.45 Vapor Recovery 0.00 | 0.00 0.00 Tertiary 0.00 0.00 0.00 |
| COVERED WA Equipment Type Covered Wastewater Tank ^(a) Daily ROC E tes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E tes: A 95% reduction is applied. Oll AND WAT Equipment Type Oij and Water Separators ^{(a)(b)} | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR 0 TANK WITH VAPOR 0 C missions (Ib/day) TER SEPARATORS Total Throug 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 0.00 Level of Separation Secondary 0.45 0.45 0.45 Vapor Recovery | 0.00 0.00 Tertiary 0.00 0.00 0.00 0.00 |

Notes:

a. A 85% reduction is applied for covered, 85% for connected to vapor recovery, and 0% for open top.

b. Emission Factor of 560 lb-ROC/Mmgal

| Processed By: KME |
|-------------------|
|-------------------|

Date: 14-Mar-22

ATTACHMENT A Emission Calculations

| CRUDE OIL I | LOADING R | ACK EMISSIC | N CALC | CULATIONS (V | er. 4.2) |
|---|--------------------------------------|---|---|--|---|
| | 7 eeval 8096-R12 organti Lease | | | | |
| Rack Information | | | | | |
| <u>Rack Type</u> Submerged Loading of a Clean Cargo Tank Submerged Loading: Dedicated Normal Service Submerged Loading: Dedicated Vapor Balance Service Splash Loading of a Clean Cargo Tank Splash Loading: Dedicated Normal Service Splash Loading: Dedicated Vapor Balance Service | | | <u>Enter X W</u> | /here Appropriate X | <u>S Factor</u> 0.50 0.60 1.00 1.45 1.45 1.00 |
| Input Data | | | | | |
| Input data Saturation Factor Molecular Weight True Vapor Pressure Liquid Temperature (' Loading Rate (bbl/hr) Storage Capacity (bb Daily Production (bbl) Annual Production (bbl) Vapor Recovery Effic ROC/THC Reactivity. | (psia) °F) I) bl) iency | 50 0.840 145 160.00 4,000 800 292,000 0.95 | SBCAPC Permit Ap Permit Ap Permit Ap Permit Ap Permit Ap SBCAPC | nput, AP-42 Table 4 D Default for Crude plication plication plication plication plication plication | Oil |
| Loading Rate Calcu <u>Calculated Informatio</u> Daily Hours Loading (Annual Hours Loading Loading Loss (Ib / 1,0 | <u>n</u> (hours) g (hours) | | 1,825.00 | <u>Reference</u> Calculated Value Calculated Value Calculated Value | |
| Crude Oil Loading F Controlled Poten Ib/day TPY | tial to Emit | ential to Emit 3.70 0.14 | | | |
| Processed By: KN | /B | | Date: | 14-Mar-22 | |

ATTACHMENT A Emission Calculations

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| eference |
| ncontrolled Emission Factor |
| P-42, Section 1.4 |
| ncontrolled Emission Factor ass Balance Calculation |
| 2-42, Section 1.4 |
| 2-42, Section 1.4 |
| P-42, Section 1.4 |
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ATTACHMENT A Emission Calculations

Г

| OILFIEL | D FLARE | EMISSION | CALCULA | IONS | (Ver. 2.0) | |
|---|---|---|--|----------|---|--|
| Attachment: Permit Number: Facility: | A-9 Reeval 8096-I Morganti Leas | | | | | |
| Fuel Information | I | | | | | |
| <u>Data</u> Flare Throughput. Gas Heat Content Sulfur Content | t | 1,200 | <u>Units</u> MMscf/day Btu/scf ppmv as H ₂ S | Permit A | <u>ice</u> Application Application Application | |
| Heat Input Data | | | | | | |
| <u>Value</u> 5.625 135.000 49,275.000 | <u>Units</u> MMBtu/hour MMBtu/day MMBtu/year | <u>Reference</u> Daily divided b Permit Applica Daily times 36 | ation | | | |
| Emission Factor | s | | | | | |
| Pollutant NO _x ROC CO SO _x PM PM ₁₀ PM _{2.5} | 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 0.1191 Mass Balance Calculation PM 0.0200 SBCAPCD PM ₁₀ 0.0200 AP-42, Chapter 1.4 | | | | | |
| Flare Potential t | o Emit | | | | | |
| Pollutant | lb/day | TPY |] | | | |
| NO _x | 9.18 | 1.68 | ļ | | | |
| ROC | 27.00 | 4.93 | ļ | | | |
| CO | 49.95 | 9.12 | { | | | |
| SO _x PM | 16.08 2.70 | 2.93 | ł | | | |
| | 2.70 | 0.49 | { | | | |
| PM ₁₀ PM _{2.5} | 2.70 | 0.49 | 1 | | | |
| Processed By: | KMB | | 1 | Date: | 14-Mar-22 | |

PIGGING EMISSION CALCULATIONS

PROJECT DESCRIPTION

Oil, water, and gas are produced from twenty-three wells on the Morganti Lease. Diluent is injected into the formation to enhance productivity at this facility. Additionally, production from Arellanes Lease, Muscio Lease, N.R. Bonetti Lease and Righetti Lease are piped to the central processing facility located at the Morganti Lease.

Production is initially routed to separator vessels where produced gas is separated from the produced fluids. The produced fluids are routed to the wash tank where the produced water is separated. The produced water is then routed to the wastewater tanks and re-injected into the formation via disposal wells. The oil is routed to the crude oil storage tanks then trucked from the facility via a truck loading rack.

Produced gas and gas collected by the vapor recovery system is treated for hydrogen sulfide using scrubbers and then used as fuel in the glycol reboiler or flared.

MUSCIO LEASE PTO 8980-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| 1. | Source Name: Muscio Lo | ease Casmalia | | | | | | |
|-------------|--|--|---------------------------------|--|-----------------|-------------------------------|--|--|
| 2. | Four digit SIC Code: 13 | 11 | USEPA | USEPA AIRS Plant ID (for APCD use only): | | | | |
| 3. | Parent Company (if diffe | erent than Source Name | e): Pacific Coast Er | ergy Acquis | itions, LLC | | | |
| 4. | Mailing Address of Resp | onsible Official: 1555 | Orcutt Hill Road | Orcutt, CA 9 | 3455 | | | |
| 5. | Street Address of Source | e Location (include Zip | Code): | | | | | |
| 6. | UTM Coordinates (if rec | juired) (see instructions) |): | | | | | |
| 7. | Source located within: | 50 miles of the state lin | ne | []Yes | [X] No | | | |
| | | 50 miles of a Native A | merican Nation | []Yes | [X] No | [] Not Applicable | | |
| 8. | Type of Organization: | [X] Corporation | [] Sole Owne | rship [](| Government | | | |
| 9. | Legal Owner's Name: Pac | [] Partnership cific Coast Energy Comp | | npany | | | | |
| 10 | . Owner's Agent Name (i | f any): Marianne Strang | e Title: Environr Consultant | nental _{Telep} | bhone #: 805-5 | 64-6590 | | |
| 11 | . Responsible Official: P | hilip Brown | Title: Chief Oper Officer | ations Telep | ohone #: 805-93 | 37-2576 | | |
| 12 | . Plant Site Manager/Con | tact: Doug Miller | Title: Sr. Produc Foreman | tion Telep | bhone #: 805-9 | 037-2576 | | |
| 13 | . Type of facility: Oil an | nd Gas | | | | | | |
| 14 | . General description of p | processes/products: | Please refer to a | ttached proje | ect description | | | |
| 15 | . Does your facility store, | , or otherwise handle, g | reater than thresho | old quantities | s of any substa | nce on the Section 112(r) | | |
| Lis | st of Substances and their | Thresholds (see Attach | ment A)? [] Y | Yes [X] | No | | | |
| 16 | . Is a Federal Risk Manag | gement Plan [pursuant te | o Section 112(r)] 1 | required? [|] Not Applica | able []Yes [X]No | | |
| · · | - | • | an is registered wi | ith appropria | te agency or d | lescription of status of Risk | | |
| Ma Apt * | anagement Plan submittal plications submitted without | .) a filing fee will be returne | ed to the applicant in | nmediately as | "improper" sub | mittals | | |

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 8980 - R10 | 5/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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: | ► APCD USE ONLY "" |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|----------------------------------|--|---|
| NOx | 306.70 | | N/A |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 0.58 |
| СО | 240.36 | APPLICATION SUBMITTALS | N/A |
| SOx | 19.21 | | N/A |
| РМ | 7.62 | | N/A |
| PM10 | 7.62 | | N/A |
| PM2.5 | 7.62 | | N/A |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| APCD: | ► APCD USE ONLY < |
|--|---|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Orcutt Field, Muscio Lease |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number: 8976-R11

- 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. Coatings used for maintenance activities.

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 (%) |
|-------------------------------|------------------------|-------------------------------------|---------------------------------|--------------------------|-----------------------|
| | | | | | |
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| | | | | | |

* 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: | ► APCD USE ONLY < |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |
| | |

3. Emissions for Emission Unit(s) described on page(s): fill in at end

| 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 REG | ULATED AIR | POLLUTANT | EMISSIONS (to | ons 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: | ► APCD USE ONLY 4{ |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Separators
- 2. Equipment type*: Oil and Gas Separators
- 3. Equipment description*: 1 Oil & Gas Separator ATC/PTO Number: 8980-R10 (Device 100935)
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____SCFM @ _____%H₂O
- 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: | ► APCD USE ONLY <. |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

1. 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: | ► APCD USE ONLY 4{ |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Oil and Gas Wellheads
- 2. Equipment type*: Oil and Gas Well
- 3. Equipment description*: 2 Producing and or idle wells
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day
- 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 @ _____ %H₂O
- 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.) |
|----------------------------|---|---|--|
| | | Oil | 800 bbls/Day |
| | | Produced Gas | 800,000 scf/Day |
| | | | |
| | | | |
| | | | |

* 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)

ATC/PTO Number: 8980-R10 (Device 002869)

GENERAL EMISSION UNIT (Form 1302-F2)

| APCD: | ► APCD USE ONLY <. |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

1. 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. | | | | | |

For permit revisions only; emissions prior to project modification.
 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: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: O Muscio Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Well Cellars
- 2. Equipment type*: Well Cellars
- 3. Equipment description*: 2 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8980-R10 (Device 002870)
- 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 @ _____ %H₂O
- 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: | ► APCD USE ONLY <. |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

1. Emissions for Emission Units described on previous page

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|---|------|--|--|--|
| POLLUTANTS | I | ROC | | | |
| A. Emissions | C |).37 | | | |
| 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. | | | | | |

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: | ► APCD USE ONLY 4{ |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Fugitive Hydrocarbon Components CARB KVB
- 2. Equipment type*: Component Leak Paths.
- 3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 8980-R10 (Device 002863)
- 4. Equipment make, model & serial number: N/A
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- 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: | ► APCD USE ONLY <. |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

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 | | 0.21 | | | |
| 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. | | | | | |

For permit revisions only; emissions prior to project modification.
 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.

EXEMPT EMISSIONS UNITS (Form 1302-H)

| APCD: | ► APCD USE ONLY <. |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

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

YES X NO

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

| Activity | Description of Activity/Emission Units | Potential to Emit for each Pollutant |
|---------------------|--|--------------------------------------|
| Solvents & Coatings | Lab Cuts & Facility/Equipment Maintenance | 0.1 TPY ROC |
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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: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

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 | |
|---|--|--|-------------------------------|-------------------|--|
| Regulatory Reference ² | Regulation Title ² | | (yes/no/exempt ³) | Date ⁴ | |
| 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 | Combustion Units | Yes | In Effect | |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect | |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect | |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes | In Effect | |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect | |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect | |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect | |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 | |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect | |

| Applicable Federal Requirement ¹ | | | In compliance? | Effective | |
|---|---|---|---|-------------------|--|
| Regulatory Reference² | Regulation Title ² | Affected Emission Unit | (yes/no/exempt ³) | Date ⁴ | |
| APCD Rule 343 | Petroleum Storage Tank Degassing | Wash Tank, crude storage tanks, wastewater tanks | 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 rack | Yes | In Effect | |
| APCD Rule 353 | Adhesives and Sealants | Maintenance Operations | Yes | In Effect | |
| APCD Rule 359 | Flares and Thermal Oxidizers | Flares | Yes | In Effect | |
| APCD Rule 360 | Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers | Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr | 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 | 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 | New Source Performance Standards | Entire Source | Yes | In Effect | |
| 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 there are no tanks at the Arellanes Lease | In Effect | |
| | | Any new or replacement tanks constructed or modified after July 23, 1984 | Yes | In Effect | |
| 40 CFR Part 60 Subpart OOOOa | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities | Entire Source | Yes | In Effect | |
| And CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Climate Change | | | | |
| 40 CFR Part 61 | National Emission Standards for Hazardous Air Pollutants | All stationary reciprocating internal combustion engines | Yes | In Effect | |
| 40 CFR Part 63 | Maximum Achievable Control Technology | None | Exempt per §63.760(e)(1) based on 'black oil' production | In Effect | |

| Applicable Federal Requirement ¹ | | Affected Emission Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ | |
|---|---|---|--|--------------------------------|--|
| Regulatory Reference² | Regulation Title ² | Anected Emission Onit | (yes/no/exempt) | Date | |
| 40 CFR Part 63 Subpart HH | National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities | Entire Source | Exempt – Not a major source of HAP's | 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 There are no ICEs at Arellanes Lease | In Effect | |
| 40 CFR Part 64 | e | Emission units with a control device used to comply with an emission standard | Exempt – no control devices used to comply with an emission standard | In Effect | |
| 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.

| Other Applicable Federal Requirements ⁵ NOTE: PC # varies in each PTO | Affected Emission Unit | In compliance? | Effective Date | | |
|--|----------------------------------|-------------------|----------------|--|--|
| PTO 08980 Condition 1 | All Devices | Yes | In Effect | | |
| Emission Limits | | | | | |
| PTO 08980 Condition 2.a | All component leak paths | Yes | In Effect | | |
| Fugitive Hydrocarbon Inspection & | 1 1 | | | | |
| Maintenance Plan | | | | | |
| PTO 08980 Condition 2.b | Well Cellars (Device No. 002616) | Yes | In Effect | | |
| Well Cellars | | | | | |
| PTO 08980Condition 3 | All Devices | Yes | In Effect | | |
| Monitoring | | | | | |
| PTO 08980Condition 4 | All Devices | Yes | In Effect | | |
| Recordkeeping | | | | | |
| PTO 08976 Condition 5 | All Devices | Yes | In Effect | | |
| Reporting | | | | | |
| PTO 08980 Condition 6 | All Devices | Yes | In Effect | | |
| Requirements for Produced Gas | | | | | |
| PTO 08980 Condition 7 | All component leak paths | Yes | In Effect | | |
| Facility Fugitive Hydrocarbon | 1 1 | | | | |
| Emissions | | | | | |
| PTO 08980 Condition 8 | All Devices | Yes | In Effect | | |
| Greenhouse Gas Emissions Standards | | | | | |
| PTO 08980 Condition 9 | All Devices | Yes | In Effect | | |
| Consistency with Analysis | | 1.00 | | | |
| PTO 08980 Condition 10 | All Devices | Yes | In Effect | | |
| Equipment Maintenance | | 105 | III Elleet | | |
| PTO 08980 Condition 11 | All Devices | Yes | In Effect | | |
| Compliance | | 1.00 | | | |
| PTO 08980 Condition 12 | All Devices | Yes | In Effect | | |
| Severability | | 1.00 | | | |
| PTO 08980 Condition 13 | All Devices | Yes | In Effect | | |
| Conflict Between Permits | | 105 | III Elleet | | |
| PTO 08980Condition 14 | All Devices | Yes | In Effect | | |
| Access to Records and Facilities | | 105 | III Elleet | | |
| PTO 08976 Condition 15 | All Devices | Yes | In Effect | | |
| Equipment Identification | | 100 | | | |
| PTO 08980 Condition 16 | All Devices | Yes | In Effect | | |
| Emission Factor Revisions | | 100 | III Ellect | | |
| PTO 08980 Condition 17 | All Devices | Yes | In Effect | | |
| Nuisance | | 100 | | | |
| PTO 08980 Condition 18 | All Devices | Yes | In Effect | | |
| Grounds for Revocation | | 105 | | | |
| PTO 08980 Condition 19 | All Devices | Yes | In Effect | | |
| Transfer of Owner/Operator | | 100 | III LIICU | | |
| PTO 08980 Condition 20 | All Devices | Yes | In Effect | | |
| Documents Incorporated by Reference | | 105 | III Effect | | |
| pocuments incorporated by Reference | | | | | |
| All environmentally significant permit conditions such as emission, operation, and throughput limitations or compliance monitoring conditions associated with such limitations listed in all authority to construct (ATC) permits issued to the Part 70 source are also applicable requirements. | | | | | |

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN (Form 1302-I2) APCD: ► APCD USE ONLY <.</th> Santa Barbara County Air Pollution Control District APCD IDS Processing ID:

III. COMPLIANCE CERTIFICATION

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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. Brow

Signature of Responsible Official

12/15/23

SOURCE NAME: Muscio Lease Casmalia

- 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: | ► APCD USE ONLY <. |
|---|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

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 | Attachments 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 APCD-01 [] check here if additional forms listed on back | Description of Operating Scenarios X Sample emission calculations X Fugitive emission estimates X 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.

1. man

Signature of Responsible Official

Date

Print Name of Responsible Official:

Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Muscio Lease Casmalia |

| List Other Forms or Attachments (cont.) | | | | |
|---|--|--|--|--|
| | | | | |
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| | | | | |
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| | | | | |
| | | | | |

EXAMPLE EMISSION CALCULATIONS

ATTACHMENT A Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

<u>Units</u>

wells

scf/day

bbls/day

degrees API

dimensionless

scf/bbl

wells

wells

wells

wells lb/day-well <u>Reference</u>

User Input

Table Below

Permit Application

ermit Application

Page 1 of 2

| Attachment: | A-1 |
|----------------|-----------------|
| Permit Number: | Reeval 8980-R10 |
| Facility: | Muscio Lease |

Input Data

| <u>Facility Information</u> Number of Active Wells at Facility | <u>Value</u> |
|--|--------------|
| Facility Gas Production | 800,000 |
| Facility Dry Oil Production Facility Gas to Oil Ratio (if > 500 then default to 501) | |
| API Gravity Facility Model Number | |
| No. of Steam Drive Wells with Control Vents No. of Steam Drive Wells with Uncontrolled Vents | 0 |
| No. of Cyclic Steam Drive Wells with Control Vents | . 0 |
| No. of Cyclic Steam Drive Wells with Uncontrolled Vents Composite Valve and Fitting Emission Factor | |

Emission Factor Based on Lease Model

| Lease Model | Valve Without Ethane | Fitting Without Ethane | Composite Without | Units |
|-------------|-------------------------|---------------------------|----------------------|--------------|
| 1 | 1.4921 | 0.9947 | 2.4868 | lbs/day-well |
| 2 | 0.6999 | 0.6092 | 1.3091 | bs/day-well |
| 3 | 0.0217 | 0.0673 | 0.0890 | lbs/day-well |
| 4 | 4.5090 | 2.1319 | 6.6409 | lbs/day-well |
| 5 | 0.8628 | 1.9424 | 2.8053 | lbs/day-well |
| 6 | 1.7079 | 2.5006 | 4.2085 | lbs/day-well |

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500. Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500. Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500. Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500. Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500. Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

| Emission Source | lb/day | TPY |
|---|--------|------|
| Valves and Fittings ^a | 1.12 | 0.20 |
| Sumps, Wastewater Tanks and Well Cellars ^b | 2.03 | 0.37 |
| Oil/Water Separators ^b | 0.00 | 0.00 |
| Pumps/Compressors/Well Heads ^a | 0.03 | 0.01 |
| Enhanced Oil Recovery Fields | 0.00 | 0.00 |
| Total ROC Potential to Emit ^c | 3.19 | 0.58 |

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.

b. Emissions reflect control efficiencies where applicable.

c. Due to rounding, the totals may not appear correct

ATTACHMENT A Emission Calculations

| nit Type Emission Calculations | | | | | |
|--|---|---|--|---|--|
| umps, Compressors, and Well He | ads I Incontrolled Em | ussion Calculations | | | |
| | | ission calculations | | | |
| | Value | Units | Reference | | |
| umber of Wells | 2 | wells | Permit Application | | |
| ellhead Emissions | 0.0194 | b-ROC/day | Calculated Value | | |
| IC from Pumps IC from Compressors | 0.0078 0.1358 | lb-ROC/day lb-ROC/day | Calculated Value Calculated Value | | |
| tal ROC Emissions | 0.16 | b-ROC/day | Calculated Value | | |
| | | • • • • | • | | |
| ell Cellars, Sumps, Covered Was | tewater Tanks, and C | Dil/Water Separators | <u>s</u> | | |
| Separation Level | Heavy Oil Service | Light Oil Service | Units | 1 | |
| Primary | 0.0941 | 0.1380 | lb ROC/ft ² -day | | |
| Secondary | 0.0126 | 0.0180 | lb ROC/ft ² -day | | |
| Tertiary | 0.0058 | 0.0087 | b ROC/ft ² -day | | |
| WFII | CELLARS | | | Level of Separation | |
| Equipment Type | Number | Total Area (ft ²) | Primary | Secondary | Tertiary |
| | 2 | 72 | 2.03 | | |
| Well Cellars ^(a) | | <u> </u> | | 0.00 | 0.00 |
| Deily BOC E | missions (Ib/day) | | 2.03 | 0.00 | 0.00 |
| A 70% reduction is applied for implem | nentation of Ru l e 344 (Su S TEWATER TANKS | · | Cellars). | Level of Separation | |
| A 70% reduction is applied for implem COVERED WAS Equipment Type | STEWATER TANKS | Total Area (ft ²) | Primary | Level of Separation Secondary | Tertiary |
| A 70% reduction is applied for implem COVERED WAS Equipment Type Covered Wastewater | STEWATER TANKS | | | · · · · · · · · · · · · · · · · · · · | Tertiary |
| A 70% reduction is applied for impler COVERED WA: Equipment Type Covered Wastewater Tank ⁽⁸⁾ | STEWATER TANKS Number 0 0 0 | Total Area (ft ²) | Primary 0.00 | Secondary 0.00 | 0.00 |
| A 70% reduction is applied for impler COVERED WA: Equipment Type Covered Wastewater Tank ⁽⁸⁾ | STEWATER TANKS Number 0 0 | Total Area (ft ²) 0 0 | Primary | Secondary | |
| A 70% reduction is applied for implem COVERED WAS Equipment Type Covered Wastewater Tank ^(a) Daily ROC E | STEWATER TANKS Number 0 0 0 | Total Area (ft ²) 0 0 | Primary 0.00 | Secondary 0.00 0.00 | 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Mass: A 85% reduction is applied. COVERED WASTEWATER | STEWATER TANKS Number 0 0 missions (Ib/day) | Total Area (ft ²) 0 0 0 RECOVERY | Primary 0.00 0.00 | Secondary 0.00 0.00 Level of Separation | 0.00 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Ves: A 85% reduction is applied. COVERED WASTEWATER S Equipment Type | STEWATER TANKS Number 0 0 missions (lb/day) TANK WITH VAPOR Number | Total Area (ft ²) 0 0 0 <i>RECOVERY</i> Total Area (ft ²) | Primary 0.00 0.00 Primary | Secondary 0.00 0.00 | 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Daily ROC E Covered Wastewater Covered Wastewater | STEWATER TANKS Number 0 0 missions (Ib/day) | Total Area (ft ²) 0 0 0 RECOVERY | Primary 0.00 0.00 | Secondary 0.00 0.00 Level of Separation | 0.00 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Stes: A 85% reduction is applied. COVERED WASTEWATER S Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Total Area (ft²) 0 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 | 0.00 0.00 Tertiary 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Stes: A 85% reduction is applied. COVERED WASTEWATER S Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) | STEWATER TANKS Number 0 0 0 missions (Ib/day) TANK WITH VAPOR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 | Primary 0.00 0.00 Primary | Secondary 0.00 0.00 Level of Separation Secondary | 0.00 0.00 Tertiary |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Zes: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Zes: A 95% reduction is applied. | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR Number 0 0 0 missions (Ib/day) | Total Area (ft²) 0 | Primary 0.00 0.00 Primary 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 | 0.00 0.00 Tertiary 0.00 |
| A 70% reduction is applied for impler COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Massing Reduction is applied. COVERED WASTEWATER : Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Massing Reduction is applied. OIL AND WAT | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR Number 0 0 0 0 missions (Ib/day) ER SEPARATORS | Total Area (ft²) 0 0 0 0 0 7 10 0 0 0 0 0 0 0 0 0 0 0 | Primary 0.00 0.00 Primary 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type | 0.00 0.00 Tertiary 0.00 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Mass: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Mass: A 95% reduction is applied. | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR 0 0 0 0 missions (Ib/day) ER SEPARATORS Total Through | Total Area (ft²) 0 0 0 0 0 7 Total Area (ft²) 0 <td>Primary 0.00 0.00 Primary 0.00 0.00 0.00</td> <td>Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00</td> <td>0.00 0.00 Tertiary 0.00</td> | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 | 0.00 0.00 Tertiary 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Daily ROC E Daily ROC E Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Zes: A 95% reduction is applied. Daily ROC E Daily ROC E | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR Number 0 0 0 0 missions (Ib/day) ER SEPARATORS | Total Area (ft ²) 0 0 0 0 0 7 7 7 7 7 7 7 0 0 0 0 0 0 0 | Primary 0.00 0.00 Primary 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type | 0.00 0.00 Tertiary 0.00 0.00 |
| A 70% reduction is applied for implem COVERED WA: Equipment Type Covered Wastewater Tank ^(a) Daily ROC E 2/265: A 85% reduction is applied. COVERED WASTEWATER Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E 2/265: A 95% reduction is applied. <i>OlL AND WAT</i> Equipment Type Oil and Water Separators ^{(a)(b)} | STEWATER TANKS Number 0 0 missions (Ib/day) TANK WITH VAPOR 0 0 missions (Ib/day) ER SEPARATORS Total Through 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 7 Total Area (ft²) 0 <td>Primary 0.00 0.00 Primary 0.00 0.00 0.00</td> <td>Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type Vapor Recovery 0.00 0.00</td> <td>0.00 0.00 Tertiary 0.00 0.00</td> | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type Vapor Recovery 0.00 0.00 | 0.00 0.00 Tertiary 0.00 0.00 |
| Equipment Type Covered Wastewater Tank ^(a) Daily ROC E Otes: A 85% reduction is applied. COVERED WASTEWATER T Equipment Type Covered Wastewater Tank with Vapor Recovery ^(a) Daily ROC E Otes: A 95% reduction is applied. Otl. AND WAT Equipment Type Oil and Water Separators ^{(a)(b)} | STEWATER TANKS Number 0 0 0 missions (lb/day) TANK WITH VAPOR 0 0 missions (lb/day) ER SEPARATORS Total Through 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Total Area (ft²) 0 0 0 0 0 7 Total Area (ft²) 0 <td>Primary 0.00 0.00 Primary 0.00 0.00 0.00</td> <td>Secondary 0.00 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type Vapor Recovery</td> <td>0.00 0.00 Tertiary 0.00 0.00 0.00 Open Top</td> | Primary 0.00 0.00 Primary 0.00 0.00 0.00 | Secondary 0.00 0.00 0.00 Level of Separation Secondary 0.00 0.00 Type Vapor Recovery | 0.00 0.00 Tertiary 0.00 0.00 0.00 Open Top |

PROJECT DESCRIPTION

This facility consists of two oil and gas production wells, two well cellars, one separator, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

NR BONETTI PTO 8978-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| 1. Source Name: NR Bonetti Lease Casmalia | | |
|---|--|--|
| 2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only): | | |
| 3. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC | | |
| 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: Pacific Coast Energy Company LP | | |
| 10. Owner's Agent Name (if any): Marianne Strange Title: Environmental Telephone #: 805-564-6590 Consultant | | |
| 11. Responsible Official: Philip Brown Title: Chief Operations Telephone #: 805-937-2576 Officer | | |
| 12. Plant Site Manager/Contact: Doug Miller Title: Sr. Production Telephone #: 805-937-2576 Foreman | | |
| 13. Type of facility: Oil and Gas | | |
| 14. General description of processes/products: Please refer to 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] N | | |
| (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 | | |

Page 1 of 21

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 8978 - R10 | 5/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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: | ► APCD USE ONLY "" |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|---------------------------|--|---|
| NOx | 306.70 | | N/A |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 1.55 |
| СО | 240.36 | APPLICATION SUBMITTALS | N/A |
| SOx | 19.21 | | N/A |
| РМ | 7.62 | | N/A |
| PM10 | 7.62 | | N/A |
| PM2.5 | 7.62 | | N/A |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| APCD: | ► APCD USE ONLY < |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |
| | |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number: 8978-R11

- 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. Coatings used for maintenance activities.

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: | ► APCD USE ONLY < |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |
| | |

3. Emissions for Emission Unit(s) described on page(s): fill in at end

| 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. | | | | |

nly; emissions prior to project modification.

 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Separators
- 2. Equipment type*: Oil and Gas Separators
- 3. Equipment description*: 4 Oil & Gas Separator ATC/PTO Number: 8978-R10 (Device100929)
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____SCFM @______%H₂O
- 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)

| APCD: | ► APCD USE ONLY <. |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

1. 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 | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Oil and Gas Wellheads
- 2. Equipment type*: Oil and Gas Well
- 3. Equipment description*: 5 Producing and or idle wells
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: oil 800 bbls/day and produced gas 800,000 scf/day
- 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 @ _____%H₂O
- 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.) |
|----------------------------|---|---|--|
| | | Oil | 800 bbls/Day |
| | | Produced Gas | 800,000 scf/Day |
| | | | |
| | | | |
| | | | |

* 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)

ATC/PTO Number: 8978-R10 (Device 100931)

| APCD: | ► APCD USE ONLY <. |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|---|----------------|------|--|--|--|
| POLLUTANTS | POLLUTANTS ROC | | | | |
| A. Emissions | | 0.02 | | | |
| 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 normit requisions only amissions prior to project modification | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Well Cellars
- 2. Equipment type*: Well Cellars
- 3. Equipment description*: 5 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 89780-R10 (Device 008434)
- 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 @ _____ %H₂O
- 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)

| APCD: | ► APCD USE ONLY <. |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

1. Emissions for Emission Units described on previous page

| CRITERIA POLLUTANT EMISSIONS (tons per year) | | | | | |
|--|--|------|--|--|--|
| POLLUTANTS | | ROC | | | |
| A. Emissions | | 0.92 | | | |
| 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 | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Fugitive Hydrocarbon Components CARB KVB
- 2. Equipment type*: Component Leak Paths.
- 3. Equipment description*: Valves, flanges connections etc. ATC/PTO Number: 8978-R10 (Device 008432)
- 4. Equipment make, model & serial number: N/A
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____ SCFM @ _____ %H₂O
- 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)

| APCD: | ► APCD USE ONLY <. |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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 | | 0.61 | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER REC | 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.

EXEMPT EMISSIONS UNITS (Form 1302-H)

| APCD: | ► APCD USE ONLY <. |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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

YES X NO

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

| Activity | Description of Activity/Emission Units | Potential to Emit for each Pollutant |
|--|---|--------------------------------------|
| Solvents & Coatings Lab Cuts & Facility/Equipment Maintenance | | 0.1 TPY ROC |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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 |
|---|--|--|-------------------------------|-------------------|
| Regulatory Reference ² | Regulation Title² | | (yes/no/exempt ³) | Date ⁴ |
| 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 | Combustion Units | Yes | In Effect |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes exempt | In Effect |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect |

| Applicable Federal Requirement ¹ | | | In compliance? | Effective | |
|---|---|---|---|-------------------|--|
| Regulatory Reference² | Regulation Title² | Affected Emission Unit | (yes/no/exempt ³) | Date ⁴ | |
| APCD Rule 343 | Petroleum Storage Tank Degassing | Wash Tank, crude storage tanks, wastewater tanks | 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 rack | Yes | In Effect | |
| APCD Rule 353 | Adhesives and Sealants | Maintenance Operations | Yes | In Effect | |
| APCD Rule 359 | Flares and Thermal Oxidizers | Flares | Yes | In Effect | |
| APCD Rule 360 | Emissions of Oxides of Nitrogen From Large Water Heaters and Small Boilers | Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr | 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 | 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 | New Source Performance Standards | Entire Source | Yes | In Effect | |
| 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 there are no tanks at the Arellanes Lease | In Effect | |
| | 2. Jana 200 ago - 00000 | Any new or replacement tanks constructed or modified after July 23, 1984 | Yes | In Effect | |
| 40 CFR Part 60 Subpart OOOOa | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities | Entire Source | Yes | In Effect | |
| And CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Climate Change | | | | |
| 40 CFR Part 61 | National Emission Standards for Hazardous Air Pollutants | All stationary reciprocating internal combustion engines | Yes | In Effect | |
| 40 CFR Part 63 | Maximum Achievable Control Technology | None | Exempt per §63.760(e)(1) based on 'black oil' production | In Effect | |

| Applicable Federal Requirement ¹ | | Affected Emission Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ | |
|---|---|---|--|--------------------------------|--|
| Regulatory Reference² | Regulation Title ² | Ancticu Emission Omt | (yes/no/exempt) | Date | |
| 40 CFR Part 63 Subpart HH | National Emission Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities | Entire Source | Exempt – Not a major source of HAP's | 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 There are no ICEs at NR Bonetti Lease | In Effect | |
| 40 CFR Part 64 | Compliance Assurance Monitoring | Emission units with a control device used to comply with an emission standard | Exempt – no control devices used to comply with an emission standard | In Effect | |
| 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.

| Other Applicable Federal Requirements5Affected Emission UnitNOTE: PC # varies in each PTO | | In compliance? | Effective Date |
|---|--|--|---|
| PTO 08978 Condition 1 | All Devices | Yes | In Effect |
| Emission Limits | | | |
| PTO 08978 Condition 2.a | All component leak paths | Yes | In Effect |
| Fugitive Hydrocarbon Inspection & | | | |
| Maintenance Plan | | | |
| PTO 08978 Condition 2.b | Well Cellars | Yes | In Effect |
| Well Cellars | | | |
| PTO 08978 Condition 3 | All Devices | Yes | In Effect |
| Monitoring | | | |
| PTO 08978 Condition 4 | All Devices | Yes | In Effect |
| Recordkeeping | | | |
| PTO 08978 Condition 5 | All Devices | Yes | In Effect |
| Reporting | | | |
| PTO 08978 Condition 6 | All Devices | Yes | In Effect |
| Requirements for Produced Gas | | | |
| PTO 08978 Condition 7 | All component leak paths | Yes | In Effect |
| Facility Fugitive Hydrocarbon | 1 1 | | |
| Emissions | | | |
| PTO 08978 Condition 8 | All Devices | Yes | In Effect |
| Greenhouse Gas Emissions Standards | | | |
| PTO 08978 Condition 9 | All Devices | Yes | In Effect |
| Consistency with Analysis | | | |
| PTO 08978 Condition 10 | All Devices | Yes | In Effect |
| Equipment Maintenance | | | |
| PTO 08978 Condition 11 | All Devices | Yes | In Effect |
| Compliance | | | |
| PTO 08978 Condition 12 | All Devices | Yes | In Effect |
| Severability | | | |
| PTO 08978 Condition 13 | All Devices | Yes | In Effect |
| Conflict Between Permits | | | |
| PTO 08978 Condition 14 | All Devices | Yes | In Effect |
| Access to Records and Facilities | | | |
| PTO 08978 Condition 15 | All Devices | Yes | In Effect |
| Equipment Identification | | 1.00 | In Encot |
| PTO 08978 Condition 16 | All Devices | Yes | In Effect |
| Emission Factor Revisions | | 1 00 | III Elleet |
| PTO 08978 Condition 17 | All Devices | Yes | In Effect |
| Nuisance | | 100 | III LIICOL |
| PTO 08978 Condition 18 | All Devices | Yes | In Effect |
| Grounds for Revocation | | 103 | meneot |
| PTO 08978 Condition 19 | All Devices | Yes | In Effect |
| Transfer of Owner/Operator | | 103 | III Effect |
| PTO 08978 Condition 20 | All Devices | Yes | In Effect |
| Documents Incorporated by Reference | An Devices | 1 58 | III Effect |
| Documents incorporated by Reference | | | |
| 5 All environmentally significant permit conditions associated with such limitat applicable requirements. | conditions such as emission, operation, and ions listed in all authority to construct (A? | l d throughput limitations or cor ГС) permits issued to the Part | npliance monitoring 70 source are also |

applicable requirements.
*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-I1" appear on each page. ***

COMPLIANCE PLAN (Form 1302-I2) APCD: ► APCD USE ONLY <.</th> Santa Barbara County Air Pollution Control District APCD IDS Processing ID: COMPANY NAME: Pacific Coast Energy Acquisitions, LLC SOURCE NAME: NR Bonetti Lease Casmalia

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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

F. Brau

Signature of Responsible Official

- 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: | ► APCD USE ONLY <. |
|---|--|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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.

1F

| Forms included with application | Attachments 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 | Description of Operating Scenarios X Sample emission calculations X Fugitive emission estimates X 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) |
| [] check here if additional forms listed on back | |

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.Bunni

Signature of Responsible Official

12/15 Date

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|--|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

| List Other Forms or Attachments (cont.) |
|---|
| |
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| |

EXAMPLE EMISSION CALCULATIONS

Permit to Operate 08978 - R10

ATTACHMENT A Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Page 1 of 2

Reference Permit Application Permit Application Permit Application Permit Application User Input Permit Application Permit Application Permit Application Permit Application Table Below

| Attachment: | A-1 |
|----------------|-------------------------------|
| Permit Number: | Reeval 8978-R10 |
| Facility: | N.R. Bonetti Lease (Casmalia) |

Input Data

| Facility Information | <u>Value</u> | <u>Units</u> |
|--|--------------|---------------|
| Number of Active Wells at Facility | 6 | wells |
| Facility Gas Production | 800,000 | scf/day |
| Facility Dry Oil Production | . 800 | bbls/day |
| Facility Gas to Oil Ratio (if > 500 then default to 501) | 501 | scf/bbl |
| API Gravity | 11.3 | degrees API |
| Facility Model Number | 5 | dimensionless |
| No. of Steam Drive Wells with Control Vents | . 0 | wells |
| No. of Steam Drive Wells with Uncontrolled Vents | . 0 | wells |
| No. of Cyclic Steam Drive Wells with Control Vents | . 0 | wells |
| No. of Cyclic Steam Drive Wells with Uncontrolled Vents | 0 | wells |
| Composite Valve and Fitting Emission Factor | 2.8053 | lb/day-well |

Emission Factor Based on Lease Model

| Lease Model | Valve Without Ethane | Fitting Without Ethane | Composite Without | Units |
|-------------|-------------------------|---------------------------|----------------------|--------------|
| 1 | 1.4921 | 0.9947 | 2.4868 | lbs/day-well |
| 2 | 0.6999 | 0.6092 | 1.3091 | lbs/day-well |
| 3 | 0.0217 | 0.0673 | 0.0890 | lbs/day-well |
| 4 | 4.5090 | 2.1319 | 6.6409 | lbs/day-well |
| 5 | 0.8628 | 1.9424 | 2.8053 | lbs/day-well |
| 6 | 1.7079 | 2.5006 | 4.2085 | lbs/day-well |

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500.

Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500.

Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500.

Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500.

Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500.

Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

| Emission Source | lb/day | TPY |
|---|--------|------|
| Valves and Fittings ^a | 3.37 | 0.61 |
| Sumps, Wastewater Tanks and Well Cellars ^b | 6.10 | 1.11 |
| Oil/Water Separators ^b | 0.00 | 0.00 |
| Pumps/Compressors/Well Heads ^a | 0.10 | 0.02 |
| Enhanced Oil Recovery Fields | 0.00 | 0.00 |
| Total ROC Potential to Emit ^c | 9.56 | 1.75 |

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.

b. Emissions reflect control efficiencies where applicable.

c. Due to rounding, the totals may not appear correct

Permit to Operate 08978 - R10

ATTACHMENT A Emission Calculations

PROJECT DESCRIPTION

This facility consists of five oil and gas production wells, five well cellars, four separators, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.

RIGHETTI LEASE PTO 8977-R10 TV APPLICATION FORMS

STATIONARY SOURCE SUMMARY (Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Coast Energy Acquisitions, LLC

► APCD USE ONLY -ii(

Application #:

Application Filing Fee*:

APCD IDS Processing ID:

Date Application Received: Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

| Source Name: Reghetti Lease Casmalia | | | | |
|---|---|--|---|--|
| Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only): | | | | |
| B. Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC | | | | |
| Mailing Address of Responsible Official: 1555 G | Orcutt Hill Road (| Drcutt, CA 93 | 455 | |
| Street Address of Source Location (include Zip C | Code): | | | |
| UTM Coordinates (if required) (see instructions): | : | | | |
| Source located within: 50 miles of the state lin | e | []Yes | [X] No | |
| 50 miles of a Native Ar | merican Nation | []Yes | [X] No | [] Not Applicable |
| Type of Organization: [X] Corporation | [] Sole Owner | rship []G | overnment | |
| [] Partnership egal Owner's Name: Pacific Coast Energy Compa | | npany | | |
| Owner's Agent Name (if any): Marianne Strange | Title: Environn Consultant | nental _{Teleph} | one #: 805-56 | 64-6590 |
| Responsible Official: Philip Brown | Title: Chief Oper Officer | ations Teleph | one #: 805-93 | 37-2576 |
| Plant Site Manager/Contact: Doug Miller | Title: Sr. Product Foreman | ion Teleph | one #: 805-9 | 37-2576 |
| Type of facility: Oil and Gas | | | | |
| General description of processes/products: | Please refer to at | tached projec | t description | |
| Does your facility store, or otherwise handle, gr | eater than thresho | ld quantities | of any substa | nce on the Section 112(r) |
| of Substances and their Thresholds (see Attachn | nent A)? [] Y | (es [X] N | lo | |
| es, attach verification that Risk Management Pla agement Plan submittal.) | an is registered wi | th appropriate | e agency or d | escription of status of Risk |
| | Four digit SIC Code: 1311 Parent Company (if different than Source Name) Mailing Address of Responsible Official: 1555 (Street Address of Source Location (include Zip O UTM Coordinates (if required) (see instructions) Source located within: 50 miles of the state lin 50 miles of a Native An Type of Organization: [X] Corporation [] Partnership egal Owner's Name: Pacific Coast Energy Compa Owner's Agent Name (if any): Marianne Strange Responsible Official: Philip Brown Plant Site Manager/Contact: Doug Miller Type of facility: Oil and Gas General description of processes/products: Does your facility store, or otherwise handle, gr of Substances and their Thresholds (see Attachr Is a Federal Risk Management Plan [pursuant to es, attach verification that Risk Management Plan agement Plan submittal.) | Four digit SIC Code: 1311 USEPA Parent Company (if different than Source Name): Pacific Coast En Mailing Address of Responsible Official: 1555 Orcutt Hill Road O Street Address of Source Location (include Zip Code): JTM Coordinates (if required) (see instructions): Source located within: 50 miles of the state line 50 miles of a Native American Nation Fype of Organization: [X] Corporation [] Sole Owne [] Partnership [] Utility Con egal Owner's Name: Pacific Coast Energy Company LP Owner's Agent Name (if any): Marianne Strange Title: Environn Consultant Responsible Official: Philip Brown Title: Chief Oper Officer Plant Site Manager/Contact: Doug Miller Title: Sr. Product Foreman Type of facility: Oil and Gas General description of processes/products: Please refer to at Does your facility store, or otherwise handle, greater than thresho of Substances and their Thresholds (see Attachment A)? [] Y Is a Federal Risk Management Plan [pursuant to Section 112(r)] r es, attach verification that Risk Management Plan is registered wi agement Plan submittal.) | Four digit SIC Code: 1311 USEPA AIRS Plant Parent Company (if different than Source Name): Pacific Coast Energy Acquisit Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93 Street Address of Source Location (include Zip Code): JTM Coordinates (if required) (see instructions): Source located within: 50 miles of the state line [] Yes 50 miles of a Native American Nation [] Yes Fype of Organization: [X] Corporation [] Sole Ownership [] G [] Partnership [] Utility Company egal Owner's Name: Pacific Coast Energy Company LP Owner's Agent Name (if any): Marianne Strange Title: Environmental Teleph Consultant Responsible Official: Philip Brown Title: Chief Operations Teleph Officer Plant Site Manager/Contact: Doug Miller Title: Sr. Production Teleph Foreman Type of facility: Oil and Gas General description of processes/products: Please refer to attached projec Does your facility store, or otherwise handle, greater than threshold quantities of Substances and their Thresholds (see Attachment A)? [] Yes [X] N Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? [es, attach verification that Risk Management Plan is registered with appropriate agement Plan submittal.) | Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APC Parent Company (if different than Source Name): Pacific Coast Energy Acquisitions, LLC Mailing Address of Responsible Official: 1555 Orcutt Hill Road Orcutt, CA 93455 Street Address of Source Location (include Zip Code): JTM Coordinates (if required) (see instructions): Source located within: 50 miles of the state line []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 50 miles of a Native American Nation []Yes [X] No 60 mer's Agent Name (if any): Marianne Strange Title: Environmental Telephone #: 805-90 Officer Plant Site Manager/Contact: Doug Miller Title: Sr. Production Telephone #: 805-90 Officer 71 pe of facility: Oil and Gas 66 General description of processes/products: Please refer to attached project description 71 Does your facility store, or otherwise handle, greater than threshold quantities of any substa of Substances and their Thresholds (see Attachment A)? []Yes [X] No 81 a Federal Risk Management Plan [pursuant to Section 112(r)] required? []Not Applica es, attach verification that Risk Management Plan is registered with appropriate agency or d |

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

STATIONARY SOURCE SUMMARY (Form 1302-A2)

| APCD: | ► APCD USE ONLY -< |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

II. TYPE OF PERMIT ACTION

| | CURRENT PERMIT (permit number) | EXPIRATION (date) |
|---|-----------------------------------|----------------------|
| Initial SBCAPCD's Regulation XIII Application | 8977 - R10 | 6/2025 |
| Permit Renewal | | |
| Significant Permit Revision* | | |
| Minor Permit Revision* | | |
| Administrative Amendment | | |

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:

[] Portable Source[] Voluntary Emissions Caps[] Acid Rain Source[] Alternative Operating Scenarios[] Source Subject to MACT Requirements [Section 112]

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

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

a:

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: | ► APCD USE ONLY "" |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. TOTAL STATIONARY SOURCE EMISSIONS

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

| POLLUTANT * (name) | EMISSIONS (tons per year) | PRE-MODIFICATION EMISSIONS (tons per year) | EMISSIONS CHANGE ** (tons per year) |
|--------------------------|----------------------------------|--|---|
| NOx | 306.70 | | N/A |
| ROC | 191.06 | NOT APPLICABLE FOR FIRST | 0.58 |
| СО | 240.36 | APPLICATION SUBMITTALS | N/A |
| SOx | 19.21 | | N/A |
| РМ | 7.62 | | N/A |
| PM10 | 7.62 | | N/A |
| PM2.5 | 7.62 | | N/A |
| | | | |
| | | | |
| | | | |

* 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.

** Transferring all existing Casmalia Field Stationary Source leases to Orcutt Hill Stationary Source

Page 3 of 21

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

| APCD: | ► APCD USE ONLY < |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent & Coating Rule 202 exempt for maintenance

ATC/PTO Number: 8977-R10

- 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. Coatings used for maintenance activities.

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: | ► APCD USE ONLY < |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |
| | |

3. Emissions for Emission Unit(s) described on page(s): fill in at end

| 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 REGU | JLATED AIR | POLLUTAN | Γ EMISSIONS (te | ons 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. | | | | | |

ns only; emissions prior to project modification.

 Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).
 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Separators
- 2. Equipment type*: Oil and Gas Separators
- 3. Equipment description*: 1 Oil & Gas Separator ATC/PTO Number: 8977-R10 (Device100940)
- 4. Equipment make, model & serial number:
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any): N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____SCFM @______%H₂O
- 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)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

1. 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 REC | GULATED AIR POLLUT | TANT EMISSIONS (to | ons 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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Oil and Gas Wellheads
- 2. Equipment type*: Oil and Gas Well
- 3. Equipment description*: 2 Producing and or idle wells
- 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 @ _____ %H₂O
- 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)

ATC/PTO Number: 8977-R10 (Device 003557)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

1. 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 | | 0.01 | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER RE | 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 normit revisions only omissions prior to project modification | | | | | |

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.

| APCD: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Well Cellars
- 2. Equipment type*: Well Cellars
- 3. Equipment description*: 2 well cellars, each with 36 sq. ft. of surface area ATC/PTO Number: 8977-R10 (Device 003558)
- 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 @ _____ %H₂O
- 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: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

1. Emissions for Emission Units described on previous page

| CR | ITERIA POLLU | TANT EMISS | IONS (tons pe | er year) | |
|---|---------------------|------------|------------------|--------------------------------|-----|
| POLLUTANTS | I | ROC | | | |
| A. Emissions | | 0.37 | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER RE | GULATED AIR | POLLUTAN | EMISSIONS | 5 (tons per year) ⁴ | L . |
| POLLUTANTS | | | | | |
| A. Emissions | | | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| 1 For permit revisions only: emissions | nriar to project me | dification | | | |

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: | ► APCD USE ONLY 4{ |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

I. EMISSION UNIT DESCRIPTION

- 1. General process description: Fugitive Hydrocarbon Components CARB KVB
- 2. Equipment type*: Component Leak Paths.
- 3. Equipment description*: Valves, flanges connections etc. ATC/
- 4. Equipment make, model & serial number: N/A
- 5. Maximum design process rate or throughput: N/A
- 6. Control device(s) type and description (if any):N/A

II. OPERATIONAL INFORMATION

- 1. Operating schedule: 24 hours/day 8760 hours/year
- 2. Exhaust gas flow rate: _____SCFM @ _____%H₂O
- 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)

ATC/PTO Number: 8977-R10 (Device 0003556)

GENERAL EMISSION UNIT (Form 1302-F2)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

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

| CRI | TERIA POLLI | UTANT EMISS | IONS (tons pe | er year) | |
|---|-------------|-------------|------------------|--------------------------------|--|
| POLLUTANTS | | ROC | | | |
| A. Emissions | | 0.20 | | | |
| B. Pre-Modification Emissions ¹ | | | | | |
| C. Emission Change ² | | | | | |
| D. Emission Limit ³ | | | | | |
| OTHER REC | GULATED AIF | R POLLUTANI | EMISSIONS | 6 (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.

EXEMPT EMISSIONS UNITS (Form 1302-H)

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

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

YES X NO

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

| Activity | Description of Activity/Emission Units | Potential to Emit for each Pollutant |
|---------------------|--|--------------------------------------|
| Solvents & Coatings | Lab Cuts & Facility/Equipment Maintenance | 0.1 TPY ROC |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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.

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

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 F | ederal Requirement ¹ | Affected Emission Unit | In compliance? | Effective |
|--------------------------------------|--|--|-------------------------------|-------------------|
| Regulatory Reference ² | Regulation Title ² | | (yes/no/exempt ³) | Date ⁴ |
| 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 | Combustion Units | Yes | In Effect |
| APCD Rule 310 | Odorous Organic Sulfides | Combustion Units | Yes | In Effect |
| APCD Rule 311 | Sulfur Content of Fuel | Combustion Units | Yes | In Effect |
| APCD Rule 317 | Organic Solvents | Maintenance/Wipe Cleaning | Yes exempt | In Effect |
| APCD Rule 321 | Solvent Cleaning Operations | Maintenance Operations | Yes | In Effect |
| APCD Rule 322 | Metal Surface Coating Thinner and Reducer | Maintenance Operations | Yes | In Effect |
| APCD Rule 323 | Architectural Coatings - Standards | Maintenance Operations | Yes | In Effect |
| APCD Rule 324 | Disposal and Evaporation of Solvents | Maintenance/Wipe Cleaning | 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 |
| APCD Rule 333 | Control of Emissions from Reciprocating IC Engines | Controlled Natural Gas (NG) fired rich burn ICEs | Yes | In Effect |

| APCD: | ► APCD USE ONLY <. |
|---|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, | SOURCE NAME: Righetti Lease Casmalia |
| LLC | |

| eum Wells, Sumps llars ng of Organic ives and Sealants and Thermal ers ions of Oxides of on From Large Heaters and Boilers | pits Crude oil loading rack Maintenance Operations Flares Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | (yes/no/exempt³)YesYesYesYesYesYesYesYesYesYesYesYesYesYes | Date ⁴ In Effect In Effect In Effect In Effect In Effect In Effect In Effect In Effect In Effect In Effect In Effect |
|---|---|---|---|
| ing eum Wells, Sumps llars ng of Organic ives and Sealants and Thermal ers ions of Oxides of en From Large Heaters and Boilers down Conditions gency Episode Source Review | wastewater tanks Well cellars, sump, wastewater pits Crude oil loading rack Maintenance Operations Flares Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes | In Effect In Effect In Effect In Effect In Effect In Effect |
| Ilars ng of Organic ives and Sealants and Thermal ers ions of Oxides of en From Large Heaters and Boilers down Conditions gency Episode Source Review | pits Crude oil loading rack Maintenance Operations Flares Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes Yes Yes Yes Yes Yes | In Effect In Effect In Effect In Effect In Effect |
| ives and Sealants and Thermal ers ions of Oxides of en From Large Heaters and Boilers down Conditions gency Episode Source Review | Maintenance Operations Flares Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes Yes Yes Yes | In Effect In Effect In Effect In Effect |
| and Thermal ers ions of Oxides of on From Large Heaters and Boilers down Conditions gency Episode Source Review | Flares Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes Yes Yes | In Effect In Effect In Effect |
| ers ions of Oxides of en From Large Heaters and Boilers down Conditions gency Episode Source Review | Water heaters, boilers, steam generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes Yes | In Effect In Effect In Effect |
| en From Large Heaters and Boilers down Conditions gency Episode Gource Review | generators or process heaters with a rated heat input capacity greater than or equal to 75,000 Btu/hour up to and including 2,000,000 Btu/hr All Emission Units Entire Source Entire Source | Yes Yes | In Effect In Effect |
| gency Episode Source Review | Entire Source Entire Source | Yes | In Effect |
| Source Review | Entire Source | | |
| | | Yes | In Effect |
| 0 Operating | F : C | | 1 |
| | Entire Source | Yes | In Effect |
| Source Review ainment Area and Prevention ificant ration) | Entire Source | Yes | In Effect |
| Source nance Standards | Entire Source | Yes | In Effect |
| ds of Performance atile Organic | | Exempt there are no tanks at the Arellanes Lease | In Effect |
| - | Any new or replacement tanks constructed or modified after July 23, 1984 | Yes | In Effect |
| | ration) ource hance Standards ds of Performance atile Organic Storage Vessels | ration) ource Entire Source Entire Source Storage Vessels for petroleum liquids constructed or modified prior to July 23, 1984 Any new or replacement tanks constructed or modified after July | ration)Entire SourceYesource nance StandardsEntire SourceYesds of Performance atile Organic Storage VesselsStorage vessels for petroleum liquids constructed or modified prior to July 23, 1984Exempt there are no tanks at the Arellanes LeaseAny new or replacement tanks constructed or modified after JulyYes |

| - | |
|---|--------------------------------------|
| APCD: | ► APCD USE ONLY <. |
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

| Applicable Federal Requirement ¹ | | Affected Emission Unit | In compliance? (yes/no/exempt ³) | Effective Date ⁴ |
|---|--|---|--|--------------------------------|
| Regulatory Reference ² | Regulation Title ² | | | |
| 40 CFR Part 60 Subpart OOOOa | Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities | Entire Source | Yes | In Effect |
| And CCR Title 17, Division 3, Chapter 1, Subchapter 10 | Climate Change | | | |
| 40 CFR Part 61 | National Emission Standards for Hazardous Air Pollutants | All stationary reciprocating internal combustion engines | Yes | In Effect |
| 40 CFR Part 63 | Maximum Achievable Control Technology | None | 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 | Entire Source | Exempt – Not a major source of HAP's | In Effect |
| 40 CFR Part 63 Subpart ZZZZ | | All stationary reciprocating internal combustion engines | Yes There are no ICEs at NR Bonetti Lease | In Effect |
| 40 CFR Part 64 | Compliance Assurance Monitoring | Emission units with a control device used to comply with an emission standard | Exempt – no control devices used to comply with an emission standard | In Effect |
| 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.

| APCD: | | ► APCD USE ONLY <. | | |
|--|--------------------------|--------------------------------------|-------------------|----------------|
| Santa Barbara County Air Pollution Control District | | APCD IDS Processing ID: | | |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | | SOURCE NAME: Righetti Lease Casmalia | | |
| Other Applicable Federal Requirements ⁵ NOTE: PC # varies in each PTO | Affected Emissi | on Unit | In compliance? | Effective Date |
| PTO 8977-R10Condition 1 | All Devices | | Yes | In Effect |
| Emission Limits | | | | |
| PTO 8977-R10Condition 2. | All Devices | | Yes | In Effect |
| Operating Restrictions | | | | |
| PTO 8977-R10 Condition 3 | All Devices | | Yes | In Effect |
| Monitoring | | | | |
| PTO 8977-R10Condition 4 | All Devices | | Yes | In Effect |
| Recordkeeping | | | | |
| PTO 8977-R10Condition 5 | All Devices | | Yes | In Effect |
| Reporting | | | | |
| PTO 8977-R10Condition 6 | All Devices | | Yes | In Effect |
| Requirements for Produced Gas | | | | |
| PTO 8977-R10Condition 7 | All component leak paths | | Yes | In Effect |
| Fugitive Hydrocarbon Emissions | An component leak pairs | | 105 | III LIICCC |
| PTO 8977-R10Condition 8 | All Devices | | Yes | In Effect |
| Greenhouse Gas Emissions Standards | All Devices | | 105 | III LIICCC |
| PTO 8977-R10Condition 9 | All Devices | | Yes | In Effect |
| Consistency with Analysis | All Devices | | 105 | III Effect |
| PTO 8977-R10-R10Condition 10 | All Devices | | Yes | In Effect |
| Equipment Maintenance | All Devices | | 105 | III Effect |
| PTO 8977-R10Condition 11 | All Devices | | Yes | In Effect |
| Compliance | All Devices | | 103 | III LIICOU |
| PTO 8977-R10Condition 12 | All Devices | | Yes | In Effect |
| Severability | All Devices | | 1 05 | III Effect |
| PTO 8977-R10Condition 13 | All Devices | | Yes | In Effect |
| Conflict Between Permits | All Devices | | 1 05 | III Ellect |
| PTO 8977-R10Condition 14 | All Devices | | Yes | In Effect |
| Access to Records and Facilities | All Devices | | 1.05 | III Ellect |
| PTO 8977-R10Condition 15 | All Devices | | Yes | In Effect |
| Equipment Identification | All Devices | | 1 05 | III Effect |
| PTO 8977-R10Condition 16 | All Devices | All Devices | | In Effect |
| Emission Factor Revisions | All Devices | | Yes | III Effect |
| PTO 8977-R10Condition 17 | All Devices | | Yes | In Effect |
| | All Devices | | 1 05 | III Effect |
| Nuisance | All Davi | | V- | |
| PTO 8977-R10Condition 18 | All Devices | | Yes | In Effect |
| Grounds for Revocation | All Davi | | V- | |
| PTO 8977-R10Condition 19 | All Devices | | Yes | In Effect |
| Transfer of Owner/Operator | | | V | |
| PTO 8977-R10Condition 20 | All Devices | | Yes | In Effect |
| Documents Incorporated by Reference | | | | |

*** If more than one page is used, please ensure that "Santa Barbara APCD", stationary source name and "Form 1302-11" appear on each page. ***

| APCD: | ► APCD USE ONLY <. |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS Processing ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

- X 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;
- X 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 basis¹;

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

K. Eran

Signature of Responsible Official

12/15/23

- 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.

Page <u>19</u> of <u>21</u>

CERTIFICATION STATEMENT (Form 1302-M)

| APCD: | ► APCD USE ONLY <. |
|---|--|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: NR Bonetti Lease Casmalia |

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 | Attachments 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 APCD -01 [] check here if additional forms listed on back [] | Description of Operating Scenarios X Sample emission calculations X Fugitive emission estimates X 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. 12/15/23

P. Buri

Signature of Responsible Official

Date

Print Name of Responsible Official: Philip Brown

Title of Responsible Official and Company Name: Chief Operations Officer

CERTIFICATION STATEMENT (Form 1302-M continued)

| APCD: | ► APCD USE ONLY "" |
|--|--------------------------------------|
| Santa Barbara County Air Pollution Control District | APCD IDS PROCESSING ID: |
| COMPANY NAME: Pacific Coast Energy Acquisitions, LLC | SOURCE NAME: Righetti Lease Casmalia |

| List Other Forms or Attachments (cont.) |
|---|
| |
| |
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| |

EMISSION CALCULATIONS

Permit to Operate 08977 - R10

ATTACHMENT A Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CARB/KVB METHOD (Ver. 6.0)

Page 1 of 2

<u>Reference</u>

User Input

Permit Application

Permit Application

Permit Application

Permit Application

Permit Application

Permit Application

Permit Application

Permit Application

Permit Application Table Below

| Attachment: | A-1 |
|----------------|-----------------|
| Permit Number: | Reeval 8977-R10 |
| Facility: | Righetti Lease |

Input Data

| Facility Information | <u>Value</u> | <u>Units</u> wells |
|---|--------------|------------------------------|
| Number of Active Wells at Facility Facility Gas Production | 800,000 | scf/day |
| Facility Dry Oil Production Facility Gas to Oil Ratio (if > 500 then default to 501) | | bbls/day scf/bbl |
| API Gravity Facility Model Number | | degrees API dimensionless |
| No. of Steam Drive Wells with Control Vents No. of Steam Drive Wells with Uncontrolled Vents | | wells wells |
| No. of Cyclic Steam Drive Wells with Control Vents No. of Cyclic Steam Drive Wells with Uncontrolled Vents | 0 | wells wells |
| Composite Valve and Fitting Emission Factor | 2.8053 | lb/day-well |

Emission Factor Based on Lease Model

| Lease Model | Valve Without Ethane | Fitting Without Ethane | Composite Without | Units |
|-------------|-------------------------|---------------------------|----------------------|--------------|
| 1 | 1.4921 | 0.9947 | 2.4868 | lbs/day-well |
| 2 | 0.6999 | 0.6092 | 1.3091 | lbs/day-well |
| 3 | 0.0217 | 0.0673 | 0.0890 | lbs/day-well |
| 4 | 4.5090 | 2.1319 | 6.6409 | lbs/day-well |
| 5 | 0.8628 | 1.9424 | 2.8053 | lbs/day-well |
| 6 | 1.7079 | 2.5006 | 4.2085 | lbs/day-well |

Model #1: Number of wells on lease is less than 10 and the GOR is less than 500. Model #2: Number of wells on lease is between 10 and 50 and the GOR is less than 500. Model #3: Number of wells on lease is greater than 50 and the GOR is less than 500. Model #4: Number of wells on lease is less than 10 and the GOR is greater than 500. Model #5: Number of wells on lease is between 10 and 50 and the GOR is greater than 500. Model #6: Number of wells on lease is greater than 50 and the GOR is greater than 500.

Reference: CARB speciation profiles numbers 529, 530, 531, 532

CARB KVB ROC Potential to Emit

| Emission Source | lb/day | TPY |
|---|--------|------|
| Valves and Fittings ^a | 1.12 | 0.20 |
| Sumps, Wastewater Tanks and Well Cellars ^b | 2.03 | 0.37 |
| Oil/Water Separators ^b | 0.00 | 0.00 |
| Pumps/Compressors/Well Heads ^a | 0.03 | 0.01 |
| Enhanced Oil Recovery Fields | 0.00 | 0.00 |
| Total ROC Potential to Emit ^c | 3.19 | 0.58 |

Notes:

a. Emissions amount reflect an 80% reduction due to Rule 331 implementation.

b. Emissions reflect control efficiencies where applicable.

c. Due to rounding, the totals may not appear correct

Permit to Operate 08977 - R10

ATTACHMENT A Emission Calculations

| | | Page 2 of | 2 | | |
|--|--------------------------|-------------------------------|--|----------------------------------|----------|
| Unit Type Emission Calculations | | | | | |
| Pumps, Compressors, and Well He | eads Uncontrolled Em | ission Calculations | | | |
| | | | | - | |
| | Value | Units | Reference | | |
| Number of Wells Wellhead Emissions | 2 0.0194 | wells lb-ROC/day | Permit Application Calculated Value | - | |
| FHC from Pumps | 0.0078 | lb-ROC/day | Calculated Value | - | |
| FHC from Compressors | 0.1358 | lb-ROC/day | Calculated Value | - | |
| Total ROC Emissions | 0.16 | b-ROC/day | Calculated Value | | |
| Nell Cellars, Sumps, Covered Was | stewater Tanks, and O | il/Water Separator | <u>s</u> | | |
| Separation Level | Heavy Oil Service | Light Oil Service | Units | 1 | |
| Primary | 0.0941 | 0.1380 | lb ROC/ft ² -day | 1 | |
| Secondary | 0.0126 | 0.0180 | b ROC/ft ² -day | 1 | |
| Tertiary | 0.0058 | 0.0087 | lb ROC/ft ² -day |] | |
| | | | | | |
| | CELLARS | | | Level of Separation | - |
| Equipment Type | Number 2 | Total Area (ft ²) | Primary | Secondary | Tertiary |
| Well Cellars ^(a) | 2 | 72 | 2.03 | 0.00 | |
| | | | | 0.00 | 0.00 |
| Daily ROC E | missions (b/day) | | 2.03 | 0.00 | 0.00 |
| Equipment Type | STEWATER TANKS Number | Total Area (ft ²) | Primary | Level of Separation Secondary | Tertiary |
| Covered Wastewater | 0 | 0 | 0.00 | 0.00 | |
| Tank ^(a) | 0 | 0 | | 0.00 | 0.00 |
| Daily ROC E | missions (lb/day) | | 0.00 | 0.00 | 0.00 |
| Notes: a. A 85% reduction is applied. COVERED WASTEWATER | TANK WITH VAPOR | RECOVERY | | Level of Separation | |
| Equipment Type | Number | Total Area (ft ²) | Primary | Secondary | Tertiary |
| Covered Wastewater | 0 | 0 | 0.00 | | |
| Tank with Vapor Recovery ^(a) | 0 | 0 | | 0.00 | |
| | missions (lb/day) | 0 | 0.00 | 0.00 | 0.00 |
| <u>Votes:</u> a. A 95% reduction is applied. | ER SEPARATORS | | | Туре | 0.00 |
| Equipment Type | Total Through | put (MMgal) | Covered | Vapor Recovery | Open Top |
| Oil and Water Separators ^{(a)(b)} | 0 | | 0.00 | | · ····P |
| | 0 | | | 0.00 | |
| | 0 | | | | 0.00 |
| Daily ROC E | missions (lb/day) | | 0.00 | 0.00 | 0.00 |
| Notes: a. A 85% reduction is applied for covere b. Emission Factor of 560 Ib-ROC/Mmg | | vapor recovery, and 0 | % for open top. | Date: 3/8/2022 | |
| Processed By: KMB | | | | | |

PROJECT DESCRIPTION

This facility consists of two oil and gas production wells, two well cellars, one separator, and associated fugitives. There is no other oil and gas production equipment subject to permit at this location. Production is routed to the central processing facility located at Morganti Lease via pipeline.