



PACIFIC OPERATORS OFFSHORE, LLC

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Santa Barbara County APCD
Engineering Division
260 N. San Antonio Road, Suite A
Santa Barbara CA 93110



PACIFIC OPERATORS OFFSHORE

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March 10, 2020

Engineering Division
Santa Barbara County Air Pollution Control District
260 No. San Antonio Road, Suite A
Santa Barbara CA 93110

Subject: **Title V Application Platforms Hogan and Houchin
FID: 8001 and 8002**

To Whom it May Concern:

Pacific Operators Offshore LLC is submitting the enclosed Title V renewal application for Platforms Hogan and Houchin. Also included with this submittal is a check for the application fee in the amount of Eight Hundred and Forty Dollars (\$840.00).

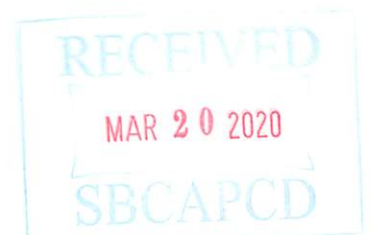
If there are any questions regarding this application, please contact me.

Sincerely,

Clement Alberts

Enclosures

\$840
CHECK 007029
Pacific Operators Offshore LLC



COMPLIANCE PLAN

(FORM 1302-I2)

APCD:
SANTA BARBARA COUNTY AIR POLLUTION CONTROL
DISTRICT

➤ APCD USE ONLY ◀

APCD ID:

COMPANY NAME: Pacific Operators Offshore, LLC.

SOURCE NAME: Platforms Hogan &
Houchin

III. COMPLIANCE CERTIFICATION

Under penalty of perjury, I certify the following:

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

Date

Richard Carone

Print Name of Responsible Official

3/10/20

CEO Pacific Operators Offshore, LLC
Title of Responsible Official and Company Name

1. Unless a more detailed schedule is expressively 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.

MAR 20 2020

SBCAPCD

STATIONARY SOURCE SUMMARY

(Form 1302-A1)

APCD: Santa Barbara County Air Pollution Control District

COMPANY NAME: Pacific Operators Offshore, Inc.

➤ APCD USE ONLY ◀

APCD IDS Processing ID:

Application #:

Date Application Received:

Application Filing Fee*: \$840 Check 007029
Pacific Operators Offshore LLC

Date Application Deemed Complete:

I. SOURCE IDENTIFICATION

1. Source Name: Platform Hogan and Houchin
2. Four digit SIC Code: 1311 USEPA AIRS Plant ID (for APCD use only):
3. Parent Company (if different than Source Name): Pacific Operators Offshore, Inc.
4. Mailing Address of Responsible Official: Post Office Box 5565, Oxnard CA 93031
5. Street Address of Source Location (include Zip Code): OCS
6. UTM Coordinates (if required) (see instructions):
7. Source located within:
50 miles of the state line ☐ Yes ☐ No
50 miles of a Native American Nation ☐ Yes ☒ No
☐ Not Applicable
8. Type of Organization: ☒ Corporation ☐ Sole Ownership ☐ Government ☐ Partnership ☐ Utility Compa
9. Legal Owner's Name: Pacific Operators Offshore, Inc.
10. Owner's Agent Name (if any): Title: Telephone #:
11. Responsible Official: Richard Carone Title: CEO Telephone #: (805) 824-3650
12. Plant Site Manager/Contact: Clement Alberts Title: Environmental Coordinator Telephone #: (805) 824-3650
13. Type of facility: Oil and Gas Platforms
14. General description of processes/products: Oil and Gas production
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 ☒ No
16. Is a Federal Risk Management Plan [pursuant to Section 112(r)] required? ☐ Not Applicable ☐ Yes ☒ No
(If yes, attach verification that Risk Management Plan is registered with appropriate agency or description of status of Risk Management Plan submittal.)

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

STATIONARY SOURCE SUMMARY (Form 1302-A2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Operators Offshore LLC.	SOURCE NAME: Platform Hogan and Houchin

II. TYPE OF PERMIT ACTION

	CURRENT PERMIT (permit number)	EXPIRATION (date)
<input type="checkbox"/> Initial SBCAPCD's Regulation XIII Application		
<input checked="" type="checkbox"/> Permit Renewal	9108 & 9109	2020
<input type="checkbox"/> Significant Permit Revision*		
<input type="checkbox"/> Minor Permit Revision*		
<input type="checkbox"/> Administrative Amendment		

III. DESCRIPTION OF PERMIT ACTION

1. Does the permit action requested involve:
 Voluntary Emissions Caps
 Alternative Operating Scenarios
 Requirements [Section 112]

a: ☐ Portable Source ☐
 ☐ Acid Rain Source ☐
 ☐ Source Subject to MACT

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

2. Is source operating under a Title V Program Compliance Schedule? ☐ Yes ☒ No

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

CERTIFICATION STATEMENT

(Form 1302-M continued)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS PROCESSING ID:
COMPANY NAME: Pacific Operators Offshore LLC	SOURCE NAME: Platform Hogan & Houchin

List Other Forms or Attachments (cont.)

____ **APCD - 01** _____

____ **1302-A1, 1302-A2, 1302-B, 1302-I2, 1302-M** _____

____ **Application fee \$840.00** _____

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Pacific Operators Offshore, LLC.	SOURCE NAME: Platforms Hogan & Houchin

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario : (See Process Description)

POLLUTANT* (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE (tons per year)
NOx	80.95		
CO	23.10	NOT APPLICABLE	FOR
ROC	22.68	CHANGE OF OWNERSHIP APPLICATION	SUBMITTALS
SOx	13.82		
PM	8.29		
PM10	7.96		
HAPS			

* 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.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan and Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Vessels PTO Number: 9108, 9109
2. Equipment description: Crew boat engines
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☒ NA
4. Equipment make, model & serial number: Detroit Diesel 12V-71TI (3); Detroit Diesel 2-71
5. Maximum design process rate or maximum power input/output: 510 bhp (3 main)
90 bhp (2 auxiliary)
6. Primary use: Support platform
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): 4° injection timing retard, turbocharging, enhanced intercooling

II. OPERATIONAL INFORMATION

1. Operating schedule: 10 hours/day 1520 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (% wt.)
Diesel	236,328 gal/yr – Main engines 7,524 gal/yr – Aux engines	19,620 BTU/lb	0.29

* 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.

COATING / SOLVENT EMISSION UNIT (Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	➤ APCD USE ONLY ◀ APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

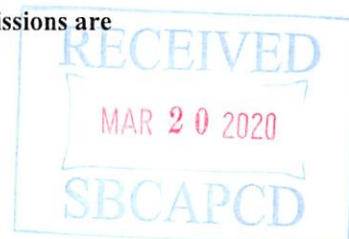
1. Equipment type: Solvent Use ATC/PTO Number: 9109
2. Equipment description: Solvents used as part of daily operations
3. Equipment make, model & serial number:
4. Maximum design process rate or throughput:
5. Control device(s) type and description (if any):
6. Description of coating/solvent application/drying method(s) employed including coating transfer:
7. List and describe primary coating/solvent process equipment used:

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 hours/year
2. Coatings/solvents information:

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

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



COATING / SOLVENT EMISSION UNIT (Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

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

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions	1.00				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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.

TOTAL STATIONARY SOURCE EMISSIONS (Form 1302-B)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan & Houchin

I. TOTAL STATIONARY SOURCE EMISSIONS

Provide a brief description of operating scenario : (See Process Description)

POLLUTANT* (name)	EMISSIONS (tons per year)	PRE-MODIFICATION EMISSIONS (tons per year)	EMISSIONS CHANGE (tons per year)
NOx	51.17		
CO	13.32	NOT APPLICABLE	FOR
ROC	19.42	FIRST APPLICATION	SUBMITTALS
SOx	7.94		
PM	4.79		
PM10	4.59		
HAPS			

* 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.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Vessels PTO Number: 9109
2. Equipment description: Supply boat engines
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☒ NA
4. Equipment make, model & serial number: CAT 399TA-91B (main); Detroit Diesel 8V-71
5. Maximum design process rate or maximum power input/output: 1,250 bhp (2 main)
230 bhp (3 auxiliary)
6. Primary use: Support platform
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): 4° injection timing retard, turbocharging, intercooling

II. OPERATIONAL INFORMATION

1. Operating schedule: 11 hours/day 1001 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 (%)
Diesel			

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Stationary Internal Combustion Engine PTO Number: 9109
2. Equipment description: North Crane
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☐ NA
4. Equipment make, model & serial number: Detroit Diesel, 6-71, 6A180412
5. Maximum design process rate or maximum power input/output: 230 bhp
6. Primary use: Crane operation
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 200 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):
770°F, 1310 scfm
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Diesel	2,521 gal/yr	19,620 Btu/lb	0.50%-wt.

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Stationary Internal Combustion Engine PTO Number: 9109
2. Equipment description: Well Kill Pump
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☐ NA
4. Equipment make, model & serial number: Detroit Diesel, 8-71, 7083-7200
5. Maximum design process rate or maximum power input/output: 318 bhp
6. Primary use: Well control
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 199 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):
770°F, 1730 scfm
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Diesel		19,620 Btu/lb	0.50%-wt.

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Well Kill Pump

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NO _x	ROC	SO _x	CO	PM	PM ₁₀
A. Emissions	1.08	0.09	0.12	0.23	0.08	0.07
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³						

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT

(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: North Crane

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NO _x	ROC	SO _x	CO	PM	PM ₁₀
A. Emissions	0.77	0.06	0.09	0.17	0.05	0.05
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³	797 ppm (15%O ₂)					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Components in gas service
2. Equipment type*: Fugitive emission units
3. Equipment description*: 1,612 component leak paths ATC/PTO Number: 9109
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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Pigging to La Conchita onshore facility
2. Equipment type*: Pigging emission unit
3. Equipment description*: Pipeline pig launcher ATC/PTO Number: 9109
4. Equipment make, model & serial number: McDermott
5. Maximum design process rate or throughput: 1 pig per day; 156 pigs per yr
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Diesel storage tank services crane IC engines
2. Equipment type*: Diesel fuel tank
3. Equipment description*: Diesel fuel tank ATC/PTO Number: 9109
4. Equipment make, model & serial number: McDermott
5. Maximum design process rate or throughput: 10,400 gal
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Vent stack
2. Equipment type*: Vent stack
3. Equipment description*: Vent stack ATC/PTO Number: 9109
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: 0.10 MMscf/yr
6. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 0.08 hours/day 1 hours/year
2. Exhaust gas flow rate: 50 SCFM @ %H₂O (Unplanned)
3. Raw products used and finished products produced:

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

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

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

GENERAL EMISSION UNIT (Form 1302-F2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Vent Stack (Unplanned)

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.38				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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-F2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Fugitive Emissions - Components in Oil Service

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	1.17				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Settling tank recovers liquids that spill on deck
2. Equipment type*: Settling tank
3. Equipment description*: Settling tank ATC/PTO Number: 9109
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Fugitive Emissions - Components in Gas Service

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	4.85				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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-F2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Pigging Emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.06				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Components in oil service
2. Equipment type*: Fugitive emission units
3. Equipment description*: 5,324 component leak paths ATC/PTO Number: 9109
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: Santa Barbara County Air Pollution Control District	➤ APCD USE ONLY ◀ APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

4. Emission Units: Deck Drain Tank, Settling Tank, Diesel Tank

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.34				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. General process description: Deck drain tank recovers liquids that spill on deck
2. Equipment type*: Deck drain tank
3. Equipment description*: Deck drain tank ATC/PTO Number: 9109
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any): none

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)

EXEMPT EMISSIONS UNITS

(Form 1302-H)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Houchin

I. EQUIPMENT EXEMPT FROM APCD PERMIT REQUIREMENTS

Exempt Equipment	Equipment Description	Basis for Exemption*
South Crane Engine	Detroit Diesel 3-71 Engine	Rule 202.C.2.F
Emergency Generator	Caterpillar D-379 Diesel Engine	Rule 202.F.1.d
Fire Water Pump	Detroit Diesel 4-71 Engine	Rule 202.C.2.E
Surface Coating Maintenance	Solvent Use	Rule 321.12

* Basis for Exemption are the facts that make a given exemption from permit apply to a given emission unit; a citation to a Rule 202 section is not adequate. See Sample Application Form 1302-H.

COMBUSTION EMISSION UNIT (Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Well Kill Pump

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NOx	ROC	SOx	CO	PM	PM10
A. Emissions	1.08	0.09	0.12	0.23	0.08	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	HAPs				
A. Emissions					
B. Pre-Modification Emissions ¹					
C. Emission Change ²					
D. Emission Limit ³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.] required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.



COMBUSTION EMISSION UNIT (Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platforms Hogan & Houchin

4. Emission Units: Emergency Response Vessel

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NO _x	ROC	SO _x	CO	PM	PM ₁₀
A. Emissions	2.55	0.08	0.26	0.36	0.15	0.14
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³	8.4 gr/bhp-hr					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Stationary Internal Combustion Engine PTO Number: 9108
2. Equipment description: North Crane
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☐ NA
4. Equipment make, model & serial number: Detroit Diesel, 6-71, 6A168663
5. Maximum design process rate or maximum power input/output: 230 bhp
6. Primary use: Crane operation
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 1200 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):
770°F, 1310 scfm
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Diesel	15,240 gal/yr	19,620 Btu/lb	0.50%-wt.

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan and Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Vessel PTO Number: 9108, 9109
2. Equipment description: Emergency Response Boat engine
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: 1,770 bhp (Main & Aux)
6. Primary use: Support Platform – Emergency Response
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 _____ 72 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (% wt.)
Diesel	9,092 gal/yr – Main engine	19,620 BTU/lb	0.29

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Stationary Internal Combustion Engine PTO Number: 9108
2. Equipment description: Well Kill Pump
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☐ NA
4. Equipment make, model & serial number: Detroit Diesel, 8-71, 7083-7200
5. Maximum design process rate or maximum power input/output: 318 bhp
6. Primary use: Well control
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 199 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):
770°F, 1730 scfm
3. Fuel specifications:

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (%)
Diesel	3,530 gal/yr	19,620 Btu/lb	0.50%-wt.

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

** List only if there is a permit restriction limiting annual fuel use below the theoretical maximum usage.

COMBUSTION EMISSION UNIT

(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platforms Hogan & Houchin

4. Emission Units: Crew Boats – Main/Aux

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NO _x	ROC	SO _x	CO	PM	PM10
A. Emissions	31.90/2.18	5.0/0.18	6.66/0.20	11.78/0.47	3.90/0.15	3.74/0.15
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³	8.4 gr/bhp-hr					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT

(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platforms Hogan & Houchin

4. Emission Units: Supply Vessels – Main/Aux

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NO _x	ROC	SO _x	CO	PM	PM10
A. Emissions	29.85/8.98	1.49/0.73	4.99/0.84	6.93/1.93	2.92/0.63	2.81/0.61
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³	8.4 gr/bhp-hr					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT

(Form 1302-C2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: North Crane

CRITERIA POLLUTANT EMISSIONS (tons per year)						
POLLUTANTS	NOx	ROC	SOx	CO	PM	PM10
A. Emissions	2.56	0.38	0.54	1.00	0.33	0.32
B. Pre-Modification Emissions¹						
C. Emission Change²						
D. Emission Limit³	797 ppm (15%O ₂)					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COMBUSTION EMISSION UNIT (Form 1302-C1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan and Platform Houchin

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Vessels PTO Number: 9108, 9109
2. Equipment description: Supply boat engines
3. For piston ICEs: ☐ 2-stroke ☐ 4-stroke ☒ NA
4. Equipment make, model & serial number: CAT 399TA-91B (main); Detroit Diesel 8V-71
5. Maximum design process rate or maximum power input/output: 2,250 bhp (2 main)
690 bhp (3 auxiliary)
6. Primary use: Support platform
7. Burner(s) design, operating temperature and capacity:
8. Control device(s) type and description (if any): 4° injection timing retard, turbocharging, enhanced intercooling

II. OPERATIONAL INFORMATION

1. Operating schedule: 11 hours/day 1001 hours/year
2. Exhaust gas properties (temperature, SCFM, %H₂O, %O₂ or %CO₂, % excess air):

FUEL TYPE (name)	MAX ANNUAL USAGE** (ft ³ /yr, lb/yr, gal/yr)	HEATING VALUE (BTU/lb or BTU/gal)	SULFUR (% wt.)
Diesel	177,124 gal/yr – Main engines 29,932 gal/yr – Aux engines	19,620 BTU/lb	0.29

* 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.

COATING / SOLVENT EMISSION UNIT (Form 1302-D2)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

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

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS					
A. Emissions	1.00				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS					
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

COATING / SOLVENT EMISSION UNIT

(Form 1302-D1)

APCD: Santa Barbara County Air Pollution Control District	➤ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. Equipment type: Solvent Use ATC/PTO Number: 9108
2. Equipment description: Solvents used as part of daily operations
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:

III. OPERATIONAL INFORMATION

1. Operating schedule: 24 hours/day 8760 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.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Deck drain tank recovers liquids that spill on deck
2. Equipment type*: Deck drain tank
3. Equipment description*: Deck drain tank ATC/PTO Number: 9108
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Components in gas service
2. Equipment type*: Fugitive emission units
3. Equipment description*: 1,307 component leak paths ATC/PTO Number: 9108
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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Vent stack
2. Equipment type*: Vent stack
3. Equipment description*: Vent stack ATC/PTO Number: 9108
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput: 0.10 MMscf/yr
6. Control device(s) type and description (if any): none

II. OPERATIONAL INFORMATION

1. Operating schedule: 0.08 hours/day 1 hours/year
2. Exhaust gas flow rate: 50 SCFM @ %H₂O (Unplanned)
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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Diesel storage tank services crane IC engines
2. Equipment type*: Diesel fuel tank
3. Equipment description*: Diesel fuel tank ATC/PTO Number: 9108
4. Equipment make, model & serial number: McDermott
5. Maximum design process rate or throughput: 10,400 gal
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Settling tank recovers liquids that spill on deck
2. Equipment type*: Settling tank
3. Equipment description*: Settling tank ATC/PTO Number: 9108
4. Equipment make, model & serial number:
5. Maximum design process rate or throughput:
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Deck Drain Tank, Settling Tank, Diesel Tank

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.34				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Pigging to La Conchita onshore facility
2. Equipment type*: Pigging emission unit
3. Equipment description*: Pipeline pig launcher ATC/PTO Number: 9108
4. Equipment make, model & serial number: McDermott
5. Maximum design process rate or throughput: 1 pig per day; 156 pigs per yr
6. Control device(s) type and description (if any): none

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Pigging Emissions

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.1				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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-F2)

APCD: Santa Barbara County Air Pollution Control District	➤ APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Fugitive Emissions - Components in Gas Service

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	3.94				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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-F2)

APCD: Santa Barbara County Air Pollution Control District	➤ APCD USE ONLY ◀ APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Fugitive Emissions - Components in Oil Service

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	1.02				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

¹ For permit revisions only; emissions prior to project modification.

² Difference between Pre-Modification Emissions (Section B.) and Emissions (Section A.).

³ For voluntary emissions cap and emission limits [i.e. expressed as parts per million (ppm) corrected for dilution air, pounds per hour (lbs/hr), pounds per million BTU (lb/MMBTU, etc.) required by any applicable federal requirement.

⁴ HAP emissions must be determined, and those exceeding one ton per year from any emission unit category must also be quantified; if less than one ton per year, just list the HAPs emitted by name.

GENERAL EMISSION UNIT (Form 1302-F1)

APCD: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EMISSION UNIT DESCRIPTION

1. General process description: Components in oil service
2. Equipment type*: Fugitive emission units
3. Equipment description*: 4,597 component leak paths ATC/PTO Number: 9108
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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

4. Emission Units: Vent Stack (Unplanned)

CRITERIA POLLUTANT EMISSIONS (tons per year)					
POLLUTANTS	ROC				
A. Emissions	0.38				
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					
OTHER REGULATED AIR POLLUTANT EMISSIONS (tons per year) ⁴					
POLLUTANTS	HAPs				
A. Emissions					
B. Pre-Modification Emissions¹					
C. Emission Change²					
D. Emission Limit³					

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: Santa Barbara County Air Pollution Control District	> APCD USE ONLY < APCD IDS Processing ID:
COMPANY NAME: Signal Hill Service, Inc.	SOURCE NAME: Platform Hogan

I. EQUIPMENT EXEMPT FROM APCD PERMIT REQUIREMENTS

Exempt Equipment	Equipment Description	Basis for Exemption*
South Crane Engine	Detroit 3-71 Diesel Engine	Rule 202.C.2.e
Emergency Generator	Caterpillar D-379 Diesel Engine	Rule 202.C.2.e
Fire Water Pump	Caterpillar D330 Diesel Engine	Rule 202.C.2.e
Surface Coating Maintenance	Solvent Use	Rule 321.12

* Basis for Exemption are the facts that make a given exemption from permit apply to a given emission unit; a citation to a Rule 202 section is not adequate. See Sample Application Form 1302-H.