

Issuance Date

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
(xxxx xxxx xxxx xxxx xxxx)

18-xxxE CAB
File No. 0863

Mr. Jon Mauer
President and CEO
IES Downstream, LLC
Kapolei Refinery
91-480 Malakole Street
Kapolei, Hawaii 96707-1883

Dear Mr. Mauer:

SUBJECT: Covered Source Permit (CSP) No. 0863-01-C
Application for Initial CSP No. 0863-01
Application for Renewal Nos. 0088-07 and 0088-17
IES Downstream, LLC
Kapolei Terminal
Located At: 91-480 Malakole Street, Kapolei, Oahu
Date of Expiration: DATE

The subject CSP is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information submitted as part of your initial application dated August 1, 2018, and renewal applications dated August 1, 2003, and December 22, 2010, with updated information dated March 2, 2016.

The CSP is issued subject to the conditions/requirements set forth in the following Attachments:

- Attachment I: Standard Conditions
- Attachment IIA: Special Conditions – LPG Storage and Miscellaneous Source Operations
- Attachment IIB: Special Conditions - Petroleum Storage Tanks
- Attachment IIC: Special Conditions - Petroleum Truck Loading Rack
- Attachment II – INSIG: Special Conditions – Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

Mr. Jon Mauer
Issuance Date
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The following forms are enclosed for your use and submittal as required:

Compliance Certification Form
Annual Emissions Report Form: External/Internal Floating Roof Petroleum
Storage Tank
Annual Emissions Report Form: Fixed Roof Petroleum Storage Tank
Annual Emissions Report Form: Terminal Equipment - Process Rate
Monitoring Report Form: Petroleum Truck Load Rack

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Department of Health, Clean Air Branch (herein after referred to as Department), or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

If you have any questions regarding this matter, please contact Mr. Darin Lum of the Clean Air Branch at (808) 586-4200.

Sincerely,

_____, P.E., ACTING CHIEF
Environmental Management Division

DL/tkg

Enclosures

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²
4. A request for transfer from person to person shall be made on forms furnished by the Department.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department and the U.S. Environmental Protection Agency (EPA), Region 9.

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for CSP. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1, and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department and U.S. EPA, Region 9, in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department but also directly to the U.S. EPA, Region 9, along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
 - a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
 - b. The expected length of time that the air pollution control equipment will be out of service;
 - c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
 - d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
 - e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)²

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit**, the permittee shall immediately notify the Department of the malfunction or breakdown, unless the protection of personnel or public

health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;
- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;
- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

18. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)
22. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)
23. The permittee shall allow the Director, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:
 - a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
 - b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.
(Auth.: HAR §11-60.1-11, §11-60.1-90)
24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of a covered source covered by this permit**, the discontinuance shall be reported in writing to the Department by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)²
25. Each permit renewal application shall be submitted to the Department and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Director determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))¹
26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department and the U.S. EPA, Region 9, once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

28. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, HI 96782**

Upon request and as required by this permit, all correspondence to the State of Hawaii Department associated with this CSP shall have duplicate copies forwarded to:

**Manager
Enforcement Division, Air Section
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street, ENF-2-1
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT IIA: SPECIAL CONDITIONS
LPG STORAGE AND MISCELLANEOUS SOURCE OPERATIONS
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility.

Section A. Equipment Description

1. This portion of the CSP encompasses the requirements for LPG storage and miscellaneous source operations not included with the Special Conditions of Attachments IIB and IIC.

(Auth.: HAR §11-60.1-3)

Section B. Applicable Federal Regulations

1. The LPG Refrigeration System is subject to the provisions of the following federal regulations:

- a. 40 CFR Part 60, New Source Performance Standards (NSPS):

- i. Subpart A, General Provisions; and
- ii. Subpart GGG, Standards of Performance for Equipment Leaks in Petroleum Refineries.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing, and recordkeeping requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.1, §60.590)¹

2. The Blending and Shipping Area and Liquid Fuel System are subject to the provisions of the following federal regulations:

- a. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories (MACT):

- i. Subpart A, General Provisions; and
- ii. Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.

- b. The above regulations are not applicable to any pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, valve, or instrumentation system that is intended to operate in organic hazardous air pollutant service, as defined in 40 CFR §63.641, for less than 300 hours during the calendar year.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing, and recordkeeping requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11.60.1-174, 40 CFR §63.640)¹

3. The storage and use of flammable substances in this facility is subject to the provisions of 40 CFR Part 68, Chemical Accident Prevention Provisions. The permittee shall comply with all applicable requirements, including the submittal of:
 - a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a); or
 - b. As part of the compliance certification submitted pursuant to Attachment I, Standard Condition No. 28, a certification statement that the facility is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.

(Auth.: HAR §11-60.1-3, §11-60.1-90, 40 CFR §68)¹

Section C. Operational and Emission Limitations

1. All pumps and compressors handling volatile organic compounds (VOC) having a Reid Vapor Pressure (RVP) of 1.5 pounds per square inch (psi) or greater which can be fitted with mechanical seals shall have mechanical seals or other equipment of equal efficiency for purposes of air pollution control as may be approved by the Department. Pumps and compressors not capable of being fitted with mechanical seals, such as reciprocating pumps, shall be fitted with the best sealing system available for air pollution control given the particular design of pump or compressor as may be approved by the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-41, §11-60.1-90)

2. The permittee shall not cause or allow the emissions of gas streams containing VOC from a vapor blowdown system unless these gases are burned by smokeless flares, or abated by an equally effective control device as approved by the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-42, §11-60.1-90)

3. Compressor

- a. Each compressor located at the LPG Refrigeration System shall be equipped and operated with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in 40 CFR §60.482-1(c), 40 CFR §60.482-3(h), and 40 CFR §60.482-3(i).
- b. Each compressor seal system as required in Special Condition No. C.3.a of this attachment shall be as follows:
 - i. Operated with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or
 - ii. Equipped with a barrier fluid system that is connected by a closed vent system to a control device that complies with the requirements of 40 CFR §60.482-10; or
 - iii. Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere.
- c. The barrier fluid system shall be in heavy liquid service or shall not be in VOC service.
- d. A compressor is exempt from the requirements of Special Condition Nos. C.3.a and C.3.b of this attachment if it is equipped with a closed vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of 40 CFR §60.482-10, except as provided in Special Condition No. C.3.e of this attachment.
- e. Any compressor that is designated for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by methods specified in 40 CFR §60.485(c) and is tested for compliance initially upon designation, annually, and at other times requested by the Department is exempt from the requirements of Special Condition Nos. C.3.a through C.3.d, D.3.a, and D.3.b of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592)¹

4. Pressure Relief Devices in Gas/Vapor Service

- a. Except during pressure releases, each pressure relief device in gas/vapor service located at the LPG Refrigeration System shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in 40 CFR §60.485(c).
- b. *After each pressure release*, the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, **as soon as practicable**, but no later than five (5) calendar days *after the pressure release*, except as provided in Special Condition No. C.7 of this attachment.

- c. Any pressure relief device is exempt from the requirements of Special Condition No. C.4.a and C.4.b of this attachment if it is equipped with a closed vent system capable of capturing and transporting leakage through the pressure relief device to a control device that complies with the requirements of 40 CFR §60.482-10.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592)¹

5. Open Ended Valves/Lines

- a. Each open-ended valve or line at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR §60.482-1(c). The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.
- b. Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.
- c. When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with Special Condition No. C.5.a of this attachment at all other times.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

6. Sampling Connection Systems

- a. Each sampling connection system at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be equipped with a closed-purged, closed-loop, or closed-vent system, except as provided in 40 CFR §60.482-1(c).
- b. Each closed-purged, closed-loop, or closed-vent system shall comply with the following requirements:
 - i. Return the purged process fluid directly to the process line; or
 - ii. Collect and recycle the purged process fluid to a process; or
 - iii. Be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of 40 CFR §60.482-10.
- c. In-situ sampling systems and sampling systems without purges are exempt from the requirements of Special Condition No. C.6.a and C.6.b of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

7. Delay of Repair

- a. Delay of repair of equipment for which leaks have been detected will be allowed if the repair is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown.
- b. Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not remain in VOC service.
- c. Delay of repair for valves will be allowed if:
 - i. The permittee demonstrates that emissions of purged material resulting from the immediate repair are greater than the fugitive emissions likely to result from the delay of repair; and
 - ii. When repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with the requirements of 40 CFR §60.482-10.
- d. Delay of repair for pumps will be allowed if:
 - i. Repair requires the use of a dual mechanical seal system that includes a barrier fluid system; and
 - ii. Repair is completed as soon as practicable, but not later than six (6) months after the leak was detected.
- e. Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit shutdown will not be allowed unless the next process unit shutdown occurs sooner than six (6) months after the first process unit shutdown.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

Section D. Monitoring and Recordkeeping Requirements

1. All records, including support information, shall be maintained at the facility for at least five (5) years from the date of the monitoring samples, measurements, tests, reports, or application. Support information includes all calibration and maintenance records and copies of all reports required by the permit. These records shall be in a permanent form suitable for inspection and made available to the Department or their representatives upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

2. Pumps in Light Liquid Service

- a. Each pump in light liquid service at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be monitored **monthly** to detect leaks in accordance with the requirements set forth in 40 CFR §60.485(b), except as provided in 40 CFR §60.482-1(c) and 40 CFR §60.482-2(d), (e) and (f).
- b. Each pump in light liquid service at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be checked by visual inspection **each calendar week** for indications of liquids dripping from the pump seal.
- c. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.
- d. If there are indications of liquids dripping from the pump seal, a leak is detected.
- e. When a leak is detected, it shall be repaired **as soon as practicable, but not later than fifteen (15) calendar days after it is detected**, except as provided in Special Condition No. C.7 of this attachment. A first attempt at repair shall be made **no later than five (5) calendar days after each leak is detected**.
- f. Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of Special Condition No. D.2.a of this attachment provided the requirements of 40 CFR §60.482-2(d)(1) through (6) are met.
- g. Any pump that is designated for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of Special Condition Nos. D.2.a, D.2.b, D.2.e, and D.2.f of this attachment if the pump:
 - i. Has no externally actuated shaft penetrating the pump housing;
 - ii. Is demonstrated to be operating with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background as measured by the methods specified in 40 CFR §60.485(c); and
 - iii. Is tested for compliance with Special Condition No. D.2.g.ii of this attachment initially upon designation, annually, and at other times requested by the Department.
- h. If any pump is equipped with a closed vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of 40 CFR §60.482-10, it is exempt from the requirements of Special Condition Nos. D.2.a through D.2.g of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

3. Compressors

- a. Each compressor barrier fluid system shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both. Each sensor shall be checked **daily** or shall be equipped with an audible alarm. If the sensor indicates failure of the seal system, the barrier system, or both, a leak is detected.

- b. When a leak is detected, it shall be repaired **as soon as practicable, but not later than fifteen (15) calendar days** after it is detected, except as provided in Special Condition No. C.7 of this attachment. A first attempt at repair shall be made **no later than five (5) calendar days** after each leak is detected.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592)¹

4. Pressure Relief Devices in Gas/Vapor Service

No later than five (5) calendar days after a pressure release, the pressure relief device subject to the requirements of 40 CFR Part 60, Subpart GGG shall be monitored to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, by the methods specified in 40 CFR §60.485(c).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592)¹

5. Valves in Light Liquid Service and in Gas/Vapor Service

- a. Each valve in light liquid service at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be monitored **monthly** to detect leaks in accordance with the requirements set forth in 40 CFR §60.485(b).
- b. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.
- c. Any valve for which a leak is *not detected for two (2) successive months* may be monitored the **first month of every quarter**, beginning with the next quarter, *until a leak is detected*. If a leak is detected, the valve shall be monitored **monthly** until a leak is *not detected for two (2) successive months*.
- d. When a leak is detected, it shall be repaired **as soon as practicable, but not later than fifteen (15) calendar days** after it is detected, except as provided in Special Condition No. C.7 of this attachment. A first attempt at repair shall be made **no later than five (5) calendar days** after each leak is detected.
- e. First attempts at repair include, but are not limited to, the following best practices where practicable:
- i. Tightening of bonnet bolts;
 - ii. Replacement of bonnet bolts;
 - iii. Tightening of packing gland nuts; and
 - iv. Injection of lubricant into lubricated packing.
- f. Any valve that is designated, as described in 40 CFR §60.486(e)(2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of Special Condition No. D.5.a of this attachment if the valve:
- i. Has no external actuating mechanism in contact with the process fluid;
 - ii. Is operated with emissions less than 500 ppm above background as determined by the method specified in 40 CFR §60.485(c); and

iii. Is tested for compliance with the Special Condition No. D.5.f.ii of this attachment initially upon designation, annually, and at other times requested by the Department.

- g. Any valve that is designated, as described in 40 CFR §60.486(f)(1), as unsafe-to-monitor valve and satisfies the criteria outlined in 40 CFR §60.482-7(g) is exempt from the requirements of Special Condition No. D.5.a of this attachment.
- h. Any valve that is designated, as described in 40 CFR §60.486(f)(2), as difficult-to-monitor valve and satisfies the criteria outlined in 40 CFR §60.482-7(h) is exempt from the requirements of Special Condition No. D.5.a of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

- 6. Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges and other Connectors
 - a. Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and flanges and other connectors at the LPG Refrigeration System, Liquid Fuel System, and Blending and Shipping Area shall be monitored **within five (5) days** by the method specified in 40 CFR §60.485(b) *if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method.*
 - b. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.
 - c. *When a leak is detected*, it shall be repaired **as soon as practicable, but not later than fifteen (15) calendar days after it is detected**, except as provided in Special Condition No. C.7 of this attachment. The first attempt at repair shall be made **no later than five (5) calendar days after each leak is detected.**
 - d. First attempts at repair include, but are not limited to, the best practices described in Special Condition No. D.5.e of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

- 7. *When each leak is detected*, a weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

- 8. The identification on a valve may be removed after it has been monitored for two (2) successive months as specified in Special Condition No. D.5.c of this attachment and no leak has been detected during those two (2) months. The identification on equipment except a valve may be removed after it has been repaired.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

- 9. *When each leak is detected*, the following information shall be recorded in a log and shall be kept for two (2) years in a readily accessible location:

- a. The instrument and operator identification numbers and the equipment identification number;
- b. The date the leak was detected and the dates of each attempt to repair the leak;
- c. Repair methods applied in each attempt to repair the leak;
- d. "Above 10,000" if the maximum instrument reading measured by the methods specified in 40 CFR §60.485(a) after each repair attempt is equal to or greater than 10,000 ppm;
- e. "Repair delayed" and the reason for the delay if a leak is not repaired within fifteen (15) calendar days after discovery of the leak;
- f. The signature of the permittee whose decision it was that repair could not be effected without a process shutdown;
- g. The expected date of successful repair of the leak if a leak is not repaired within fifteen (15) days;
- h. Dates of process unit shutdown that occur while the equipment is unrepaired; and
- i. The date of successful repair of the leak.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

10. The following information pertaining to all equipment subject to the requirements of 40 CFR Part 60, Subpart GGG, or 40 CFR Part 63, Subpart CC, shall be recorded in a log that is kept in a readily accessible location:
 - a. A list of identification numbers for all equipment;
 - b. A list of identification numbers for equipment that are designated for no detectable emissions which is signed by the permittee;
 - c. A list of equipment identification numbers for pressure relief devices required to comply with the requirements of Special Condition No. C.4 of this attachment;
 - d. The dates of each compliance test used to determine no detectable emissions:
 - i. The background level measured during each compliance test; and
 - ii. The maximum instrument reading measured at the equipment during each compliance test.

- e. A list of identification numbers for equipment in vacuum service.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

11. The following information pertaining to all valves subject to the requirements of 40 CFR Part 60, Subpart GGG, or 40 CFR Part 63, Subpart CC, shall be recorded in a log that is kept in a readily accessible location:
 - a. A list of identification numbers for valves that are designated as unsafe-to-monitor, an explanation for each valve stating why the valve is unsafe-to-monitor, and the plan for monitoring each valve; and

- b. A list of identification numbers for valves that are designated as difficult-to-monitor, an explanation for each valve stating why the valve is difficult-to-monitor, and the schedule for monitoring each valve.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

12. The following information shall be recorded in a log that is kept in a readily accessible location:

- a. Design criterion based on design considerations and operating experience indicating the failure of the seal system, barrier fluid system, or both of each affected pump or compressor.
- b. Any changes to this criterion and the reasons for the changes.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

Section E. Notification and Reporting Requirements

1. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **on an annual basis** the total tons per year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due within **sixty (60) days following the end of each calendar year**. The enclosed **Annual Emissions Report Form: Terminal Equipment - Process Rate** or equivalent form, shall be used in reporting fugitive emissions.

Upon written request of the permittee, the deadline for reporting annual emissions may be extended if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-114)

2. Additional notification and reporting requirements shall be conducted in accordance with the standard conditions found in Attachment I, Standard Conditions 14, 16, 17, and 25, respectively. These notifications shall include, but not be limited to:
 - a. Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;
 - b. Intent to shutdown air pollution control equipment for necessary scheduled maintenance;
 - c. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and

- d. Permanent discontinuance of construction, modification, relocation or operation of the facility covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

4. Compliance Certification

- a. During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form**, pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- i. The identification of each term or condition of the permit that is the basis of the certification;
- ii. The compliance status;
- iii. Whether compliance was continuous or intermittent;
- iv. The methods used for determining the compliance status of the source currently and over the reporting period;
- v. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
- vi. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedance as defined in 40 CFR Part 64 occurred; and
- vii. Any additional information as required by the Department including information to determine compliance.

- b. The compliance certification shall be submitted within **sixty (60) days after** the end of each calendar year and shall be signed and dated by a responsible official.
- c. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

5. For valves, pumps and compressors subject to the requirements of 40 CFR Part 60, Subpart GGG, or 40 CFR Part 63, Subpart CC, the permittee shall submit **semiannual** reports to the Department. The reports shall be submitted within **sixty (60) days after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31)**. The **initial** semiannual report shall include the following information:
- a. Process unit identification;
 - b. Number of valves subject to the requirements of Special Condition No. D.5. of this attachment, excluding those valves designated for no detectable emissions under the provisions of Special Condition No. D.5.f of this attachment;
 - c. Number of pumps subject to the requirements of Special Condition No. D.2. of this attachment, excluding those pumps designated for no detectable emissions under the provisions of Special Condition No. D.2.g of this attachment and those pumps complying with Special Condition No. D.2.h of this attachment; and
 - d. Number of compressors subject to the requirements of Special Condition No. C.3. of this attachment, excluding those compressors designated for no detectable emissions under the provisions of Special Condition No. C.3.e of this attachment and those compressors complying with Special Condition No. C.3.d of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

6. All semiannual reports, required in Special Condition No. E.5 of this attachment, shall include the following information:
- a. Process unit identification;
 - b. For each month during the semiannual reporting period;
 - i. Number of valves for which leaks were detected;
 - ii. Number of valves for which leaks were not repaired;
 - iii. Number of pumps for which leaks were detected;
 - iv. Number of pumps for which leaks were not repaired;
 - v. Number of compressors for which leaks were detected;
 - vi. Number of compressors for which leaks were not repaired; and
 - vii. The facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible.
 - c. Dates of process unit shutdowns which occurred within the semiannual reporting period; and
 - d. Revisions to items reported in the initial semiannual report if changes have occurred since the initial report or subsequent revisions to the initial report.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR §60.592, §63.648)¹

Section F. Agency Notifications

Any document (including reports) required to be submitted by this CSP shall be in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT IIB: SPECIAL CONDITIONS
PETROLEUM STORAGE TANKS
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility.

Section A. Equipment Description

1. This portion of the CSP encompasses the following equipment and associated appurtenances:
 - a. Twenty-Four (24) Gasoline Intermediates and Finished Products Storage Tanks
 - i. One (1) - 304,640 bbl external floating roof storage tank identified as Tank 111;
 - ii. One (1) - 19,200 bbl external floating roof storage tanks identified as Tank 232;
 - iii. Two (2) - 19,000 bbl external floating roof storage tanks identified as Tanks 233 and 273;
 - iv. Four (4) - 38,000 bbl external floating roof storage tanks identified as Tanks 236, 237, 255, and 256;
 - v. One (1) - 9,500 bbl external floating roof storage tanks identified as Tank 251;
 - vi. One (1) - 37,000 bbl external floating roof storage tank identified as Tank 252;
 - vii. One (1) - 37,400 bbl external floating roof storage tank identified as Tank 253;
 - viii. One (1) - 33,000 bbl external floating roof storage tank identified as Tank 254;
 - ix. Three (3) - 29,000 bbl external floating roof storage tanks identified as Tanks 257, 258, and 262;
 - x. Three (3) - 41,000 bbl external floating roof storage tanks identified as Tanks 264, 265, and 266;
 - xi. One (1) - 23,000 bbl external floating roof storage tank identified as Tank 269;
 - xii. One (1) - 36,000 bbl external floating roof storage tank identified as Tank 271;
 - xiii. One (1) - 263,200 bbl external floating roof storage tank identified as Tank 109;
 - xiv. One (1) - 9,500 bbl external floating roof storage tank converted to an internal floating roof storage tank identified as Tank 249; and
 - xv. Two (2) - 5,000 bbl external floating roof storage tanks converted to internal floating roof storage tanks identified as Tanks 250 and 275.
 - b. Six (6) Crude Oil Storage Tanks
 - i. One (1) - 149,000 bbl external floating roof storage tank identified as Tank 104;
 - ii. One (1) - 265,440 bbl external floating roof storage tank identified as Tank 105;
 - iii. One (1) - 263,200 bbl external floating roof storage tank identified as Tank 106;
 - iv. One (1) - 237,000 bbl external floating roof storage tank identified as Tank 107;
 - v. One (1) - 235,000 bbl external floating roof storage tank identified as Tank 108; and
 - vi. One (1) - 304,640 bbl external floating roof storage tank identified as Tank 110.

- c. Three (3) Jet Fuel Storage Tanks
 - i. One (1) - 50,827 bbl vertical fixed roof storage tank identified as Tank 274;
 - ii. One (1) - 38,000 bbl external floating roof storage tank identified as Tank 263; and
 - iii. One (1) - 41,000 bbl external floating roof storage tank identified as Tank 267.

- d. Five (5) Crude Water Draw, Recovered Oil, and Transmix Storage Tanks
 - i. One (1) - 23,000 bbl external floating roof storage tank identified as Tank 113;
 - ii. Two (2) - 4,700 bbl external floating roof storage tank identified as Tanks 162 and 163;
 - iii. One (1) - 19,200 bbl external floating roof storage tank identified as Tank 235; and
 - iv. One (1) - 149,000 bbl external floating roof storage tank identified as Tank 104.

(Auth.: HAR §11-60.1-3)

- 2. The permittee shall permanently attach an identification tag or nameplate on each tank. The identification tag or nameplate shall be attached to the tank in a conspicuous location. Information shall also be made available upon request that identifies the capacity, date of construction, serial number or I.D. number and manufacturer of each tank.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

- 1. Each of the storage tanks identified in Section A of this attachment are subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories (MACT):
 - i. Subpart A, General Provisions; and
 - ii. Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.

For Group 1 storage tanks (all storage tanks except for storage tanks 263, 267, and 274), the permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing, and recordkeeping requirements, at the first tank degassing and cleaning activity after August 18, 1998, or before August 18, 2005, whichever comes first. The major requirements of these standards are detailed in **Section G - 40 CFR Part 63, Subpart CC Requirements** of this attachment. Group 1 storage tanks shall comply with Sections C through G below. Group 2 storage tanks (storage tanks 263, 267, and 274) shall comply with Sections C through F below.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-174, 40 CFR §63.640, §63.646)¹

2. Storage tanks 104, 113, 162, 163, and 235 are subject to the following federal requirements:
 - a. 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAP):
 - i. Subpart A, General Provisions; and
 - ii. Subpart FF, National Emission Standard for Benzene Waste Operations.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing, and recordkeeping requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.180; 40 CFR §61.01, §61.340)¹

Section C. Operational and Emissions Limitations

1. The true vapor pressure of the volatile organic liquid stored in each of the storage tanks identified in Special Condition A.1.a of this attachment shall not be greater than or equal to 11.0 pounds per square inch absolute (psia).

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)
2. The true vapor pressure of the volatile organic liquid stored in storage tank 274 shall not be greater than or equal to 1.5 pounds per square inch absolute (psia).

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)
3. Storage tanks identified in Special Condition No. A.1.b of this attachment shall only store crude oil or lower volatility products.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)
4. Storage tanks identified in Special Condition No. A.1.c of this attachment shall only store jet fuel or lower volatility products.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)
5. Each storage tank identified in Section A of this attachment, except for storage tank 274, shall be equipped with a floating roof which will rest on the surface of the liquid contents and be equipped with a closure seal or seals to close the space between the roof edge and tank wall.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)

6. All tank gauging and sampling devices for each of the storage tanks identified in Section A of this attachment, except for storage tank 274, shall be gas-tight except when tank gauging or sampling is taking place.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)

7. Each storage tank identified in Section A of this attachment shall be equipped with a permanent submerged fill pipe.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90)

8. The permittee may increase the storage capacities of storage tanks 105 through 111 by twelve (12) percent to the capacities listed below, provided that no new applicable requirement is triggered by such action and the permittee has installed the seal requirements pursuant to 40 CFR Part 63, Subpart CC. The permittee must obtain prior written approval of the Department and must demonstrate that a modification or reconstruction under NSPS or a PSD review would not be triggered.

Storage tank 107 - 265,440 bbl

Storage tank 108 - 263,200 bbl

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

Section D. Monitoring and Recordkeeping Requirements

1. The permittee shall maintain a record of the volatile organic liquid stored, the period of storage, and the maximum true vapor pressure (psia) of that liquid for each storage tank identified in Section A of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

2. The permittee shall keep readily accessible records showing the dimensions of each storage tank identified in Section A of this attachment and an analysis showing the capacity of the storage tank. This record shall be kept as long as the storage tank retains Group 1 or Group 2 status and is in operation. If a storage tank is determined to be Group 2 because the weight percent total organic HAP of the stored liquid is less than or equal to 4 percent for existing sources, a record of any data, assumptions, and procedures used to make this determination shall be retained. The permittee shall use the Group 1 and Group 2 storage vessel definitions in 40 CFR §63.641.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §63.646, §63.654)¹

3. The permittee shall comply with the recordkeeping requirements in 40 CFR §60.115b for storage tanks 104, 113, 162, 163, and 235.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-180; 40 CFR §61.356)¹

4. The permittee shall maintain records that identify each waste stream at the Kapolei Terminal subject to 40 CFR Part 61, Subpart FF, and indicate whether or not the waste stream is controlled for benzene emissions in accordance with 40 CFR Part 61, Subpart FF. In addition, the permittee shall maintain the following records:
 - a. For each waste stream not controlled for benzene emissions in accordance with 40 CFR Part 61, Subpart FF, the records shall include all tests results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is process waste stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity.
 - b. For each waste stream exempt from 40 CFR §61.342(c)(1) in accordance with 40 CFR §61.342(c)(3), the records shall include:
 - i. All measurements, calculations, and other documentation used to determine that the continuous flow of process wastewater is less than 0.02 liters per minute or the annual waste quantity of process wastewater is less than 10 Mg/yr in accordance with 40 CFR §61.342(c)(3)(i), or
 - ii. All measurements, calculations and other documentation used to determine that the sum of the total annual benzene quantity in all exempt waste streams does not exceed 2.0 Mg/yr in accordance with 40 CFR §61.342(c)(3)(ii).

(Auth.: HAR §11-60.1-3, 11-60.1-90, §11-60.1-180; 40 CFR §61.356)¹

5. All records, including support information, shall be maintained at the facility for at least five (5) years from the date of the monitoring samples, measurements, tests, reports, or application. Support information includes all calibration and maintenance records and copies of all reports required by the permit. These records shall be in a permanent form suitable for inspection and made available to the Department or their representatives upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §63.646, §63.654)¹

Section E. Notification and Reporting Requirements

1. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **on an annual basis** the total tons per year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The enclosed **Annual Emissions Report Forms: External/Internal Floating Roof Petroleum Storage Tank, and Fixed Roof Petroleum Storage Tank** or equivalent forms, shall be used in reporting emissions.

Upon written request of the permittee, the deadline for reporting annual emissions may be extended if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-114)

2. Additional notification and reporting requirements shall be conducted in accordance with the standard conditions found in Attachment I, Standard Conditions 16, 17, and 25, respectively. These notifications shall include, but not be limited to:

- a. Intent to shutdown air pollution control equipment for necessary scheduled maintenance;
- b. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and
- c. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

4. Compliance Certification

- a. During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form**, pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- i. The identification of each term or condition of the permit that is the basis of the certification;
- ii. The compliance status;
- iii. Whether compliance was continuous or intermittent;
- iv. The methods used for determining the compliance status of the source currently and over the reporting period;
- v. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
- vi. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedance as defined in 40 CFR Part 64 occurred; and
- vii. Any additional information as required by the Department including information to determine compliance.

- b. The compliance certification shall be submitted within **sixty (60) days after** the end of each calendar year and shall be signed and dated by a responsible official.
- c. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

5. The permittee shall notify the Department at least **thirty (30) days** or such lesser time as designated and approved by the Department, prior to:
 - a. Changing the volatile organic liquid stored in any of the storage tanks identified in Section A.1.a of this attachment; and
 - b. Increasing the storage capacity of storage tanks 107 and 108 in accordance with Special Condition No. C.8 of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

6. The permittee shall submit to the Department the following report within ninety (90) days after January 7, 1993, a report that summarizes the regulatory status of each waste stream at the Kapolei Terminal subject to 40 CFR §61.342 and is determined by the procedures specified in 40 CFR §61.355(c) to contain benzene. The report shall include the following information:
 - a. Total annual benzene quantity from the Kapolei Terminal waste determined in accordance with 40 CFR §61.355(a);
 - b. A table identifying each waste stream and whether or not the waste stream will be controlled for benzene emissions in accordance with the requirements of 40 CFR Part 61, Subpart FF.

- c. For each waste stream identified as not being controlled for benzene emissions in accordance with the requirements of 40 CFR Part 61, Subpart FF, the following information shall be added to the table:
 - i. Whether or not the water content of the waste stream is greater than ten (10) percent;
 - ii. Whether or not the waste stream is a process wastewater stream, product tank drawdown, or landfill leachate;
 - iii. Annual waste quantity for the waste stream;
 - iv. Range of benzene concentrations for the waste stream;
 - v. Annual average flow-weighted benzene concentration for the waste stream; and
 - vi. Annual benzene quantity for the waste stream.
- d. The information required in Special Condition Nos. E.6.a, E.6.b, and E.6.c of this attachment should represent the waste stream characteristics based on current configuration and operating conditions. The permittee only needs to list in the report those waste streams that contact materials containing benzene. The report does not need to include a description of the controls to be installed to comply with the standard or other information required in 40 CFR §61.10(a).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-180, 40 CFR §61.357)¹

7. If the total annual benzene quantity from the Kapolei Terminal waste is equal to or greater than 10 Mg/yr, then the permittee shall submit to the Department the following reports:
 - a. Within ninety (90) days after January 7, 1993, a certification that the equipment necessary to comply with these standards has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR Part 61, Subpart FF.
 - b. Beginning on the date that the equipment necessary to comply with these standards have been certified in accordance with Special Condition No. E.7.a of this attachment, the permittee shall submit **annually** to the Department a report that updates the information listed in Special Condition Nos. E.6.a, E.6.b, and E.6.c of this attachment. If the information in the annual report is not changed in the following year, the permittee may submit a statement to that effect.
 - c. Beginning three (3) months after the date that the equipment necessary to comply with these standards has been certified in accordance with Special Condition No. E.7.a of this attachment, the permittee shall submit **quarterly** to the Department a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR Part 61, Subpart FF.

- d. Beginning one year after the date that the equipment necessary to comply with these standards has been certified in accordance with Special Condition No. E.7.a of this attachment, the permittee shall submit **annually** to the Department a report that summarizes all inspections required by 40 CFR Part 61, Subpart FF during which detectable emissions are measured or a problem (such as a broken seal, gap or other problem) that could result in benzene emissions is identified, including information about the repairs or corrective action taken.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-180, 40 CFR §61.357)¹

8. The permittee shall comply with the reporting requirements in 40 CFR §60.115b for storage tanks 104, 113, 162, 163, and 235.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-180; 40 CFR §61.357)¹

Section F. Test Methods and Procedures.

1. The permittee shall test equipment for compliance with no detectable emissions in accordance with the following requirements:
 - a. Monitoring shall comply with Method 21 from Appendix A of 40 CFR Part 60.
 - b. The detection instrument shall meet the performance criteria of Method 21.
 - c. The instrument shall be calibrated before use on each day of its use by the procedures specified in Method 21.
 - d. Calibration gases shall be:
 - i. Zero air (less than 10 ppm of hydrocarbon in air); and
 - ii. A mixture of methane or n-hexane and air at a concentration of approximately, but less than, 10,000 ppm methane or n-hexane.
 - e. The background level shall be determined as set forth in Method 21.
 - f. The instrument probe shall be traversed around all potential leak interfaces as close as possible to the interface described in Method 21.
 - g. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared to 500 ppm for determining compliance.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, §11-60.1-180, 40 CFR §60.696, §61.355)¹

Section G. Agency Notifications

Any document (including reports) required to be submitted by this CSP shall be in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

Section H. 40 CFR Part 63, Subpart CC Requirements

1. Operational and Emission Limitations

- a. Group 1 storage tanks consisting of an external floating roof converted to an internal floating roof (petroleum storage tanks 249, 250, and 275) shall comply with the provisions of 40 CFR §63.646 including the following:
 - i. The internal floating roof shall rest or float on the liquid surface inside a storage tank that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage tank is completely emptied and degassed or subsequently emptied and refilled. When the floating roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as soon as practical.
 - ii. The petroleum storage tanks shall be equipped with one of the following closure devices between the wall of the storage tank and the edge of the internal floating roof:
 - (1) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal);
 - (2) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage tank and the edge of the internal floating roof. The lower seal may be vapor mounted, but both must be continuous; or
 - (3) A mechanical shoe seal.
 - iii. If a cover or lid is installed on an opening on a floating roof, the cover or lid shall remain closed except when the cover or lid must be open for access.
 - iv. Rim space vents are to be set to open only when the floating roof is not floating or when the pressure beneath the rim seals exceeds the manufacturer's recommended setting.
 - v. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

- b. Group 1 storage tanks with an external floating roof (petroleum storage tanks 104, 105, 106, 107, 108, 109, 110, 111, 113, 162, 163, 232, 233, 235, 236, 237, 251, 252, 253, 254, 255, 256, 257, 258, 262, 264, 265, 266, 269, 271, and 273) shall comply with the provisions of 40 CFR §63.646 including the following:
 - i. Each external floating roof shall be equipped with a primary seal and secondary seal to close the space between the wall of the storage tank and roof edge. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. The primary and secondary seals shall completely cover the annular space between the edge of the floating roof and tank wall in a continuous fashion, except during the inspections required by Special Condition No. H.2.b of this attachment.
 - ii. The floating roof is to be floating on the liquid at all times (i.e., off the roof leg supports), except during initial fill until the floating roof is lifted off leg supports and during those intervals when the storage tank is completely emptied and degassed or when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the floating roof is resting on the leg supports shall be continuous and shall be accomplished as soon as practical.
 - iii. If a cover or lid is installed on an opening on a floating roof, the cover or lid shall remain closed except when the cover or lid must be open for access.
 - iv. Rim space vents are to be set to open only when the floating roof is not floating or when the pressure beneath the rim seals exceeds the manufacturer's recommended setting.
 - v. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-174; 40 CFR §63.646)¹

2. Monitoring and Recordkeeping Requirements

- a. For the Group 1 storage tanks consisting of an external floating roof converted to an internal floating roof (petroleum storage tanks 249, 250, and 275), the permittee shall demonstrate compliance by complying with the requirements of 40 CFR §63.120(a)(1) through (a)(7) including the following:
 - i. The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), according to the schedule specified below:
 - (1) For storage tanks equipped with a single-seal system, the permittee shall perform the inspections specified below:

- (a) Visually inspect the internal floating roof and the seal through manholes and roof hatches on the fixed roof at least once every **twelve (12) months** after initial fill, or at least once every **twelve (12) months** after the compliance date specified in Special Condition No. B.1 of this attachment; and
 - (b) Visually inspect the internal floating roof, the seal, gaskets, slotted membranes, and sleeve seals (if any) each time the storage tank is emptied and degassed, and at least once every **ten (10) years** after the compliance date specified in Special Condition No. B.1 of this attachment.
- (2) For storage tanks equipped with a double-seal system, the permittee shall perform either one of the inspections indicated below:
 - (a) Visually inspect the internal floating roof, the primary seal, the secondary seal, gaskets, slotted membranes, and sleeve seals (if any) each time the storage tank is emptied and degassed and at least once every **five (5) years** after the compliance date specified in Special Condition No. B.1 of this attachment; **or**
 - (b) Visually inspect the internal floating roof and the secondary seal through manholes and roof hatches on the fixed roof at least once every **twelve (12) months** after initial fill, or at least once every **twelve (12) months** after the compliance date specified in Special Condition No. B.1 of this attachment, **and**
 - (c) Visually inspect the internal floating roof, the primary seal, the secondary seal, gaskets, slotted membranes, and sleeve seals (if any) each time the vessel is emptied and degassed and at least once every **ten (10) years** after the compliance date specified in Special Condition No. B.1 of this attachment.
- ii. If during the inspections required by Special Condition Nos. H.2.a.i.(1)(a) or H.2.a.i.(2)(b) of this attachment, the internal floating roof is not resting on the surface of the liquid inside the storage tank and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached; or there are holes or tears in the seal fabric; or there are visible gaps between the seal and the wall of the storage tank, the permittee shall repair the items or empty and remove the storage tank from service within **forty-five (45) calendar days**. If a failure that is detected during inspections required by Special Condition Nos. H.2.a.i.(1)(a) or H.2.a.i.(2)(b) of this attachment cannot be repaired within **forty-five (45) calendar days** and if the tank cannot be emptied within **forty-five (45) calendar days**, the permittee may utilize up to 2 extensions of up to **thirty (30)** additional calendar days each. Documentation of a decision to utilize an extension shall include a description of the failure, shall document that alternate storage capacity is unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired or the tank will be emptied as soon as practical.

- iii. Except as provided in Special Condition No. H.2.a.iv of this attachment, for all the inspections required by Special Condition Nos. H.2.a.i.(1)(b), H.2.a.i.(2)(a), and H.2.a.i.(2)(c) of this attachment, the permittee shall notify the Department in writing at least **thirty (30) calendar days** prior to the refilling of each storage tank to afford the Department the opportunity to have an observer present.
 - iv. If the inspections required by Special Condition Nos. H.2.a.i.(1)(b), H.2.a.i.(2)(a), and H.2.a.i.(2)(c) of this attachment is not planned and the permittee could not have known about the inspection **thirty (30) calendar days** in advance of refilling the tank, the permittee shall notify the Department at least **seven (7) calendar days** prior to the refilling of the storage tank. Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, the notification including the written documentation may be made in writing and sent so that it is received by the Department at least **seven (7) calendar days** prior to refilling.
 - v. If during the inspections required by Special Condition Nos. H.2.a.i.(1)(b), H.2.a.i.(2)(a), and H.2.a.i.(2)(c) of this attachment, the internal floating roof has defects; or the primary seal has holes, tears, or other openings in the seal or the seal fabric; or the secondary seal has holes, tears, or other openings in the seal or the seal fabric; or the gaskets no longer close off the liquid surface from the atmosphere; or the slotted membrane has more than ten (10) percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage tank with organic HAP.
- b. For Group 1 storage tanks with external floating roofs (petroleum storage tanks 104, 105, 106, 107, 108, 109, 110, 111, 113, 162, 163, 232, 233, 235, 236, 237, 251, 252, 253, 254, 255, 256, 257, 258, 262, 264, 265, 266, 269, 271, and 273), the permittee shall demonstrate compliance by complying with the requirements of 40 CFR §63.120(b)(1) through (b)(10) including the following:
- i. Except as provided in Special Condition No. H.2.b.vii of this attachment, the permittee shall determine the gap areas and maximum gap widths between the primary seal and the wall of the storage tank, and the secondary seal and the wall of the storage tank as follows:
 - (1) Within **ninety (90) calendar days** of installation of the secondary seal, inspection of both the primary and secondary seals; and
 - (2) At least **once every five (5) years** for the primary seal and at least **once per year** for the secondary seal thereafter.
 - ii. Except as provided in Special Condition No. H.2.b.vii of this attachment, the permittee shall determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described below:
 - (1) Seal gaps, if any, shall be measured at one or more floating roof levels when the roof is not resting on the roof leg supports.

- (2) Seal gaps, if any shall be measured around the entire circumference of the tank in each place where a 0.32 centimeter (1/8 inch) diameter uniform probe passes freely (without forcing or binding against the seal) between the seal and the wall of the storage tank. The circumferential distance of each such location shall also be measured.
 - (3) The total surface area of each gap described in Special Condition No. H.2.b.ii.(2) of this attachment shall be determined by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.
 - iii. The permittee shall add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the tank. The accumulated area of gaps between the tank wall and the primary seal shall not exceed 212 square centimeters per meter of tank diameter and the width of any portion of any gap shall not exceed 3.81 centimeters (1-1/2 inches).
 - iv. The permittee shall add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the tank. The accumulated area of the gaps between the tank wall and the secondary seal shall not exceed 21.2 square centimeters per meter of tank diameter and the width of any portion of any gap shall not exceed 1.27 centimeters (1/2 inch). These seal gap requirements may be exceeded during the measurement of primary seal gaps as required by Special Condition No. H.2.b.i of this attachment.
 - v. The primary seal shall meet the following requirements:
 - (1) Where a metallic shoe seal is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 centimeters (24 inches) above the stored liquid surface.
 - (2) There shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.
 - vi. The secondary seal shall meet the following requirements:
 - (1) The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall, except as provided in Special Condition No. H.2.b.iv of this attachment.
 - (2) There shall be no holes, tears, or other openings in the seal or seal fabric.
 - vii. If the permittee determines that it is unsafe to perform the seal gap measurements required in Special Condition No. H.2.b.i of this attachment or to inspect the tank to determine compliance with Special Condition No. H.2.b.v and H.2.b.vi of this attachment because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, the permittee shall comply with one of the following:

- (1) The permittee shall measure the seal gaps or inspect the storage tank no later than **thirty (30) calendar days** after the determination that the roof is unsafe, or
 - (2) The permittee shall empty and remove the storage tank from service no later than **forty-five (45) calendar days** after determining that the roof is unsafe. If the tank cannot be emptied within **forty-five (45) calendar days**, the permittee may utilize up to two extensions of up to **thirty (30) additional calendar days** each. Documentation of a decision to utilize an extension shall include an explanation of why it was unsafe to perform the inspection or seal gap measurement, shall document that alternate storage capacity is unavailable, and shall specify a schedule of actions that will ensure that the tank will be emptied as soon as practical.
- viii. The permittee shall repair conditions that do not meet the requirements listed in Special Condition Nos. H.2.b.iii, H.2.b.iv, H.2.b.v and H.2.b.vi of this attachment (i.e., failures), no later than **forty-five (45) calendar days** after identification, or shall empty and remove the storage tank from service no later than **forty-five (45) calendar days** after identification. If during seal gap measurements required in Special Condition No. H.2.b.i of this attachment or during inspections necessary to determine compliance with Special Condition Nos. H.2.b.v and H.2.b.vi of this attachment a failure is detected that cannot be repaired within **forty-five (45) calendar days** and if the tank cannot be emptied within **forty-five (45) calendar days**, the permittee may utilize up to two extensions of up to **thirty (30) additional calendar days** each. Documentation of a decision to utilize an extension shall include a description of the failure, shall document that alternative storage capacity is unavailable, and shall specify a schedule of actions that will ensure that the control equipment will be repaired, or the tank will be emptied as soon as practical.
- ix. The permittee shall notify the Department in writing **thirty (30) calendar days** in advance of any gap measurements to afford the Department the opportunity to have an observer present.
- x. The permittee shall visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the tank is emptied and degassed.
- (1) If the external floating roof has defects; the primary seal has holes, tears or other openings in the seal or seal fabric; or the secondary seal has holes, tears or other openings in the seal or seal fabric; the permittee shall repair the items as necessary so that none of the conditions specified above exist before filling or refilling the storage tank with organic HAP.
 - (2) Except as provided below, for all the inspections required above, the permittee shall notify the Department in writing as least **thirty (30) calendar days** prior to filling or refilling each storage tank with organic HAP to afford the Department the opportunity to inspect the storage tank prior to refilling.
 - (3) If the inspections required above is not planned and the permittee could not have known about the inspection **thirty (30) calendar days** in advance of refilling the tank with organic HAP, the permittee shall notify the Department at least **seven (7) calendar days** prior to refilling of the storage tank.

Notification may be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent so that it is received by the Department at least **seven (7) calendar days** prior to the refilling.

- c. For Group 1 storage tanks consisting of an external floating roof converted to an internal floating roof (petroleum storage tanks 249, 250, and 275):
 - i. The permittee shall keep a record that each inspection required by Special Condition No. H.2.a of this attachment was performed.
- d. For Group 1 storage tanks with external floating roofs (petroleum storage tanks 104, 105, 106, 107, 108, 109, 110, 111, 113, 162, 163, 232, 233, 235, 236, 237, 251, 252, 253, 254, 255, 256, 257, 258, 262, 264, 265, 266, 269, 271, and 273):
 - i. The permittee shall keep records describing the results of the seal gap measurements made in accordance with Special Condition No. H.2.b of this attachment. The records shall include the date of the measurement, the raw data obtained in the measurement, and the calculations described in Special Condition Nos. H.2.b.iii and H.2.b.iv of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-174; 40 CFR §63.646)¹

3. Notification and Reporting Requirements

- a. The permittee shall submit **semi-annually** written reports to the Department. The reports shall be submitted **within sixty (60) days** *after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31)* and shall include the following:
 - i. For Group 1 storage tanks consisting of an external floating roof converted to an internal floating roof (petroleum storage tanks 249, 250, and 275):
 - (1) Results of each inspection conducted in accordance with Special Condition No. H.2.a of this attachment in which a failure is detected in the control equipment. For storage tanks for which annual inspections are required under Special Condition Nos. H.2.a.i.(1)(a) and H.2.a.i.(2)(b) of this attachment, the following specifications and requirements apply:
 - (a) A failure is defined as any time in which the internal floating roof is not resting on the surface of the liquid inside the storage tank and is not resting on the leg supports; or there is liquid on the floating roof; or the

- seal is detached from the internal floating roof; or there are holes, tears, or other openings in the seal or seal fabric; or there are visible gaps between the seal and the wall of the storage tank.
- (b) Reports shall include the date of the inspection, identification of each storage tank in which a failure was detected, and a description of the failure. The report shall also describe the nature of and date the repair was made or the date the storage tank was emptied.
 - (c) If an extension is utilized in accordance with Special Condition No. H.2.a.ii of this attachment, the permittee shall, in the next semi-annual report, identify the tank; include the documentation specified in Special Condition No. H.2.a.ii of this attachment; and describe the date the storage tank was emptied and the nature of and date the repair was made.
- (2) For storage tanks for which inspections are required under Special Condition Nos. H.2.a.i.(1)(b), H.2.a.i.(2)(a), or H.2.a.i.(2)(c) of this attachment (i.e., internal inspections), the following specifications and requirements apply:
- (a) A failure is defined as any time in which the internal floating roof has defects; or the primary seal has holes, tears, or other openings in the seal or seal fabric; or the secondary seal (if one has been installed) has holes, tears or other openings in the seal or the seal fabric; or, for a storage tank that is part of a new source, the gaskets no longer close off the liquid surface from the atmosphere; or, for a storage tank that is part of a new source, the slotted membrane has more than a 10 (ten) percent open area.
 - (b) The report shall include the date of the inspection, identification of each storage tank in which a failure was detected, and a description of the failure. The report shall also describe the nature of and date the repair was made.
- ii. Group 1 storage tanks with external floating roofs (petroleum storage tanks 104, 105, 106, 107, 108, 109, 110, 111, 113, 162, 163, 232, 233, 235, 236, 237, 251, 252, 253, 254, 255, 256, 257, 258, 262, 264, 265, 266, 269, 271, and 273):
- (1) Documentation of the results of each seal gap measurement made in accordance with Special Condition No. H.2.b of this attachment in which the seal and seal gap requirements of Special Condition Nos. H.2.b.iii, H.2.b.iv, H.2.b.v, or H.2.b.vi of this attachment are not met. The documentation shall include the following information:
 - (a) The date of the seal gap measurement;
 - (b) The raw data obtained in the seal gap measurement and the calculations described in Special Condition Nos. H.2.b.iii and H.2.b.iv of this attachment;
 - (c) A description of any seal condition specified in Special Condition Nos. H.2.b.v or H.2.b.vi of this attachment that is not met; and

- (d) A description of the nature of and date the repair was made, or the date the storage tank was emptied.
- (2) If an extension is utilized in accordance with Special Condition Nos. H.2.b.vii or H.2.b.viii of this attachment, the permittee shall, in the next semi-annual report, identify the tank; include the documentation specified in Special Condition Nos. H.2.b.vii or H.2.b.viii of this attachment, as applicable; and describe the date the tank was emptied and the nature of and date the repair was made.
- (3) Documentation of any failures that are identified during the visual inspections required by Special Condition No. H.2.b.x of this attachment.
 - (a) A failure is defined as any time in which the external floating roof has defects; or the primary seal has holes or other openings in the seal or the seal fabric; or the secondary seal has holes, tears or other openings in the seal or the seal fabric.
 - (b) Documentation shall include the date of the inspection, identification of each storage tank in which a failure was detected, and a description of the failure. The nature of and the date the repair was made shall also be documented.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-174; 40 CFR §63.654)¹

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT IIC: SPECIAL CONDITIONS
PETROLEUM TRUCK LOADING RACK
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility.

Section A. Equipment Description

1. This portion of the CSP encompasses the following equipment and associated appurtenances:

a. Petroleum Truck Loading Rack

(Auth.: HAR §11-60.1-3)

2. The permittee shall permanently attach an identification tag or nameplate on each piece of equipment which identifies the model number, serial number or I.D. number, and manufacturer. The identification tag or nameplate shall be attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

1. The petroleum truck loading rack is subject to the provisions of the following federal regulations:

a. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories (MACT):

i. Subpart A, General Provisions; and

ii. Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing, and recordkeeping requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-174, 40 CFR §63.640, §63.650)¹

Section C. Operational and Emission Limitations

1. The maximum throughput of the petroleum truck loading rack shall not exceed 75,700 liters per day of gasoline (includes motor gasoline and aviation gasoline) to be classified as a *Group 2 gasoline loading rack*.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-174, 40 CFR §63.640, §63.650)¹

2. If the maximum throughput of the petroleum truck loading rack exceeds 75,700 liters per day of gasoline (includes motor gasoline and aviation gasoline), the loadrack shall be classified as a *Group 1 gasoline load rack*. Group 1 gasoline loading racks shall comply with the provisions of 40 CFR Part 63, Subpart R, §63.421, §63.422 (a) through (c), §63.425 (a) through (c), §63.425 (e) through (h), §63.427 (a) and (b), and §63.428 (b), (c), (g)(1), and (h)(1) through (h)(3). This includes the installation and operation of a vapor collection and processing equipment such that the emissions to the atmosphere due to the loading of gasoline tank trucks do not exceed 10 mg of total organic compounds (TOC) per liter of gasoline loaded. The permittee shall submit a description of the vapor collection and processing equipment with emission rates and ambient air impacts, if any, to the Department for approval at least **sixty (60) days** before installation of the equipment. In addition, the maximum throughput of the petroleum truck loading rack shall not exceed the following limits:

- a. Motor Gasoline: 7,300,000 barrels per any rolling twelve (12) month period;
- b. Aviation Gasoline: 47,450 barrels per any rolling twelve (12) month period;
- c. Diesel: 2,920,000 barrels per any rolling twelve (12) month period; and
- d. Jet fuel: 4,380,000 barrels per any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-174, 40 CFR §63.640, §63.650)¹

Section D. Monitoring and Recordkeeping Requirements

1. The permittee shall operate and maintain a non-resetting flow meter to monitor the throughput of motor gasoline, aviation gasoline, diesel, and jet fuel from the petroleum truck loading rack. Records of throughputs for each product shall be maintained on a **daily, monthly and rolling twelve (12) month basis**.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; SIP §11-60-15)²

2. All records, including support information, shall be maintained at the facility for at least five (5) years from the date of the monitoring samples, measurements, tests, reports, or application. Support information includes all calibration and maintenance records and copies of all reports required by the permit. These records shall be in a permanent form suitable for inspection and made available to the Department or their representatives upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; SIP §11-60-15)²

Section E. Notification and Reporting Requirements

1. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **annually** the total tons per year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due within **sixty (60) days** *following the end of each calendar year*. The enclosed **Annual Emissions Report Form: Terminal Equipment – Process Rate** or an equivalent form, shall be used in reporting emissions.

Upon written request of the permittee, the deadline for reporting annual emissions may be extended if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-114)

2. Additional notification and reporting requirements shall be conducted in accordance with the standard conditions found in Attachment I, Standard Conditions 16, 17, and 25, respectively. These notifications shall include, but not be limited to:
 - a. Intent to shutdown air pollution control equipment for necessary scheduled maintenance;
 - b. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and
 - c. Permanent discontinuance of construction, modification, relocation or operation of the facility covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. The permittee shall report **within five (5) working days** *any deviations from permit requirements*, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

4. Compliance Certification

- a. During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form**, pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- i. The identification of each term or condition of the permit that is the basis of the certification;
- ii. The compliance status;
- iii. Whether compliance was continuous or intermittent;
- iv. The methods used for determining the compliance status of the source currently and over the reporting period;
- v. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
- vi. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedance as defined in 40 CFR Part 64 occurred; and
- vii. Any additional information as required by the Department including information to determine compliance.

- b. The compliance certification shall be submitted within **sixty (60) days after** the end of each calendar year and shall be signed and dated by a responsible official.
- c. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

5. The permittee shall submit **semi-annually** the following written reports to the Department. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period** (January 1 to June 30 and July 1 to December 31), and shall include the following:

- a. Throughputs of motor gasoline, aviation gasoline, diesel and jet fuel on a monthly and rolling twelve (12) month basis. The enclosed **Monitoring Report Form: Petroleum Truck Load Rack** shall be used in reporting.
- b. Deviations from permit requirements shall be clearly identified and addressed in these reports.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Agency Notifications

Any document (including reports) required to be submitted by this CSP shall be in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II – INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

Section A. Equipment Description

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions, apply.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

1. The Department reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least **five (5) years** from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting

Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form** pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted **within sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

In lieu of addressing each emission unit as specified in **Compliance Certification Form**, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

Section E. Agency Notification

Any document (including reports) required to be submitted by this CSP shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1.

1. Annual fees shall be paid in full:
 - a. Within **one-hundred twenty (120) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department.
4. The annual fees and the emission data shall be mailed to:

**State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, HI 96782**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department the nature and amounts of emissions.

1. Complete the attached forms:

Annual Emissions Report Form: External/Internal Floating Roof Petroleum Storage Tank

Annual Emissions Report Form: Fixed Roof Petroleum Storage Tank

Annual Emissions Report Form: Terminal Equipment – Process Rate

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, HI 96782**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department upon request.
4. Any information submitted to the Department without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0863-01-C
PAGE 1 OF ____**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as requested by the Department of Health.

(Make Copies of the Compliance Certification Form for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0863-01-C
(CONTINUED, PAGE 2 OF ____)**

Issuance Date:

Expiration Date:

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

Instructions:

Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

A. Attachment I, Standard Conditions

<u>Permit term/condition</u> All standard conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
---------------------------------------------------------	--------------------------------------------------------	---------------------------------------------------------------------------------------------------

B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG

<u>Permit term/condition</u> All monitoring conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All recordkeeping conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All reporting conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All testing conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All INSIG conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0863-01-C
(CONTINUED, PAGE ____ OF ____)**

Issuance Date:

Expiration Date:

C. Special Conditions - Operational and Emissions Limitations

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., unit no., model no., serial no., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

<u>Permit term/condition</u>	<u>Equipment</u>	<u>Method</u>	<u>Compliance</u>
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

(Make Additional Copies if Needed)

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0863-01-C
(CONTINUED, PAGE ___ OF ___)**

Issuance Date:

Expiration Date:

D. Deviations

<u>Permit Term/ Condition</u>	<u>Equipment / Brief Summary of Deviation*</u>	<u>Deviation Period time (am/pm) & date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	

*Identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred.

(Make Additional Copies if Needed)

**ANNUAL EMISSIONS REPORT FORM
EXTERNAL/INTERNAL FLOATING ROOF PETROLEUM STORAGE TANK
COVERED SOURCE PERMIT NO. 0863-01-C
PAGE 1 OF 2**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Responsible Official (PRINT): _____

TITLE: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Signature): _____

TANK	NUMBER					
	CAPACITY (bbl)					
	DIAMETER (ft) - D					
	COLOR					
	TYPE OF DECK ¹					
	NUMBER OF COLUMNS (DIMENSIONLESS) - N_c					
	TYPE OF RIM SEAL ²					
	TOTAL NUMBER OF DIFFERENT TYPE DECK FITTINGS ³ (DIMENSIONLESS) - n_r					
PRODUCT	NAME					
	REID VAPOR PRESSURE (psi)					
	TRUE VAPOR PRESSURE (psia) - P_{VA}					
	STORAGE TEMP. (°F)					
ANNUAL THROUGHPUT (bbl/yr) - Q						

**ANNUAL EMISSIONS REPORT FORM
EXTERNAL/INTERNAL FLOATING ROOF PETROLEUM STORAGE TANK
COVERED SOURCE PERMIT NO. 0863-01-C
(CONTINUED, PAGE 2 OF 2)**

Issuance Date:

Expiration Date:

- ¹ Type A: Column-supported fixed roof with bolted deck
Type B: Column-supported fixed roof with welded deck
Type C: Self-supporting fixed roof with bolted deck
Type D: Self-supporting fixed roof with welded deck
- ² Type VMP: Vapor-mounted resilient foam-filled primary seal only
Type LMP: Liquid-mounted resilient foam-filled primary seal only
Type LFP: Liquid-filled primary seal only
Type MSP: Mechanical shoe primary seal only
Type VMPS: Vapor-mounted resilient foam-filled primary seal plus secondary seal
Type LMPS: Liquid-mounted resilient foam-filled primary seal plus secondary seal
Type LFPS: Liquid-filled primary seal plus secondary seal
Type MSPSS: Mechanical shoe primary seal plus secondary seal (shoe mounted)
Type MSPSR: Mechanical shoe primary seal plus secondary seal (rim mounted)
- ³ For each tank, provide a listing of each type of deck fitting and the corresponding quantity of each fitting. [See Table 7.1-12, AP-42, Section 7.1(2/96)]

**ANNUAL EMISSIONS REPORT FORM
FIXED ROOF PETROLEUM STORAGE TANK
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Responsible Official (PRINT): _____

TITLE: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Signature): _____

TANK	IDENTIFICATION NO.					
	CAPACITY (bbl)					
	DIAMETER (ft)					
	HEIGHT (ft)					
	PAINT CONDITION ^a					
	COLOR ^b					
	POSITION ^c					
	TYPE OF ROOF ^d					
PRODUCT	PRODUCT NAME					
	REID VAPOR PRESSURE (psi)					
	TRUE VAPOR PRESSURE (psia)					
	STORAGE TEMP. (°F)					
ANNUAL THROUGHPUT (bbl/yr)						
AIR POLLUTION CONTROL DEVICE/METHOD ^e						

- Indicate paint condition as "G" (good) or "P" (poor).
- If the tank is totally underground, indicate a "und" in lieu of specifying a color.
- Indicate whether the tank's position is "V" (vertical) or "H" (Horizontal).
- Indicate whether the roof construction is "F" (flat), "C" (cone) or "D" (dome).
- Indicate applicable control device/method (i.e., vapor recovery system, vapor balance, etc.).

**ANNUAL EMISSIONS REPORT FORM
TERMINAL EQUIPMENT - PROCESS RATE
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Equipment Capacity/Rating (specify units): _____
(Units such as Horsepower, kilowatt, tons/hour, Btu/hr, etc.)

Serial/ID No.: _____

Responsible Official (PRINT): _____

TITLE: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Signature): _____

EMISSION SOURCE	ANNUAL PROCESS RATE	NOTES

**MONITORING REPORT FORM
PETROLEUM TRUCK LOAD RACK
COVERED SOURCE PERMIT NO. 0863-01-C**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following on a semi-annual basis.

(Make copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Responsible Official (PRINT): _____

TITLE: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Signature): _____

THROUGHPUT OF LOAD RACK (Barrels)								
MONTH	TYPE OF FUEL							
	Motor Gasoline		Aviation Gasoline		Diesel		Jet Fuel	
	Monthly	12-mo. Rolling Avg.	Monthly	12-mo. Rolling Avg.	Monthly	12-mo. Rolling Avg.	Monthly	12-mo. Rolling Avg.
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
TOTAL								

Vapor Recovery Unit Make & Model: _____

Maximum Emission from Vapor Recovery Unit (mg/l): _____

No. of stations: _____ No. of arms per station: _____