

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

06-XXXE CAB
File No. 0092-06

Ms. Holly P. Kranzmann
Regional Operations Manager
Shell Oil Products US
20945 South Wilmington Avenue
Carson, California 90810

Dear Ms. Kranzmann:

Subject: Covered Source Permit (CSP) No. 0092-02-C
Initial Covered Source Permit Application No. 0092-06
Equilon Enterprises LLC dba Shell Oil Products US
Shell Honolulu Terminal
Located at: 789 N. Nimitz Highway, Honolulu, Oahu
Date of Expiration: [Five-Year Period from Issuance Date]

The subject Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans and specifications that you submitted as part of your application dated November 17, 2005, and the additional information dated February 20, 2006, and April 20, 2006.

This Covered Source Permit is issued subject to the conditions/requirements set forth in the following Attachments:

- Attachment I: Standard Conditions
- Attachment IIA: Special Conditions - Tank Truck Load Rack
- Attachment IIB: Special Conditions - Petroleum Storage Tanks
- Attachment IIC: Special Conditions - Marine Vessel Loading Terminal
- Attachment II – INSIG: Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

The forms for submission are as follows:

- Annual Fee Form
- Annual Emissions/Monitoring Report Form: Tank Truck Load Rack
- Annual Emissions/Monitoring Report Form: Marine Vessel Loading Terminal
- Annual Emissions Report Form: Fixed Roof Petroleum Storage Tank
- Annual Emissions/Monitoring Report Form: Internal Floating Roof Storage Tank

PROPOSED

Ms. Holly P. Kranzmann
[Issuance Date]
Page 2

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, 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.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF
Environmental Management Division

SS:lk

Enclosures

c: CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0092-02-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 of Health, 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 of Health.

(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 of Health 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 the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, 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 of Health 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 of Health 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 of Health 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 of Health 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 of Health 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 Health 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 of Health 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 of Health.

(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 of Health, 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 the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health 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 of Health and the U.S. EPA Region 9 no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six 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 of Health 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:**

**Clean Air Branch
Environmental Management Division
State of Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378**

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

**Chief
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
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)

¹ The 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.

² The 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
TANK TRUCK LOAD RACK
COVERED SOURCE PERMIT NO. 0092-02-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

The tank truck load rack encompass the following equipment and associated appurtenances:

1. One (1) two lane bottom-loading gasoline/ethanol and diesel tank truck load rack with nine (9) each, 600 gallon per minute load arms.

(Auth.: HAR §11-60.1-3)

2. One twelve-inch (12") vapor line connecting the tank truck load rack to the tank farm.

(Auth.: HAR §11-60.1-3)

3. John Zink carbon adsorption/absorption vapor recovery system, model AAT-X-1650-7-13-8-2-X with:

- a. Two (2) carbon adsorber vessels;
- b. Absorption column and separator;
- c. Vacuum, gasoline return, gasoline supply, and seal fluid pumps;
- d. Seal fluid exchanger; and
- e. Valves, pipes, and other miscellaneous items of the system for safe and effective operation of the vapor recovery system.

(Auth.: HAR §11-60.1-3)

4. An identification tag or name plate shall be displayed on the vapor recovery system to show model no. and manufacturer. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

The permittee shall comply with all applicable provisions of these standards, including all emission limits and all notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit. The tank truck load rack is subject to the following federal regulations:

1. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A - General Provisions; and
2. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart XX - Standards of Performance for Bulk Gasoline Terminals.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.500)¹

Section C. Operational Limitations

1. The vapor collection and recovery system shall be maintained and operated in accordance with the manufacturer's recommendations, requirements, and procedures.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)
2. The carbon bed in each of the two carbon adsorber vessels shall be regenerated or replaced before breakthrough occurs. One carbon adsorber vessel shall be in operation at all times.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)
3. The maximum throughput of the tank truck load rack shall not exceed 256,000,000 gallons of gasoline and ethanol combined and 10,000,000 gallons of distillate during any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)
4. The permittee shall maintain a twelve-inch (12") vapor line from the tank truck load rack to the tank farm for the purposes of routing vapors displaced during tank truck loading operations to the tank farm. The vapor collection system shall be kept in good operating condition and used at all times during the loading of tank trucks. Under no circumstance shall the tank truck load rack operate without the vapor collection system in service.

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

5. The John Zink vapor recovery unit shall be connected, fully functional, and operational at all times whenever the petroleum truck loading rack is in operation.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

6. Loading at the petroleum truck rack shall be limited only to documented vapor-tight gasoline tank trucks equipped with compatible vapor collection systems.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

7. The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the gasoline tank truck from exceeding 4,500 pascal (450 mm of water) during product loading. The pressure shall be measured by the procedure specified in NSPS Subpart XX, section 60.503(d).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502, 40 CFR §60.503)¹

8. No pressure-vacuum vent in the petroleum truck loading rack's vapor collection system shall begin to open at a system pressure less than 4,500 pascal (450 mm in water).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

9. Emissions to the atmosphere from the vapor recovery system shall not exceed thirty-five milligrams of total organic compounds per liter (35 mg/l) of gasoline loaded.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

Section D. Monitoring and Recordkeeping

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, 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 of Health or their representative upon request.

1. The permittee shall install, maintain, and operate a non-resetting flow meter on each arm to monitor the throughput of the petroleum truck loading rack. A record of the daily throughput shall be maintained for a minimum of five (5) years in a permanent form suitable for inspection and made available to the Department upon request.

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

2. The permittee shall maintain records on all gasoline tank trucks loaded at the subject facility. The records shall be kept on file at the terminal for a minimum of five (5) years in a permanent form suitable for inspection and made available to the Department upon request. The records file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by EPA Reference Method 27, Determination of Vapor Tightness of Gasoline Delivery Tank Using Pressure-Vacuum Test. These records shall include, at a minimum, the following information:
 - a. Tank truck owner and address;
 - b. Tank identification number;
 - c. Testing location;
 - d. Date of test;
 - e. Tester name and signature;
 - f. Witnessing inspector, if any: Name, signature, and affiliation; and
 - g. Test results: Actual pressure change in 5 minutes, as measured in mm of water (average for 2 runs).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.505)¹

3. The permittee shall crosscheck each and every tank identification number, as recorded in Special Condition D.2.b. of this Attachment, with the file of tank vapor tightness documentation within two (2) weeks after the corresponding tank is loaded.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

4. The permittee shall maintain and calibrate a pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with 2.5 mm of water precision. The pressure measurement device shall be connected to a pressure tap in the terminal's vapor recovery system as close as possible to the connection with the gasoline tank truck.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.502)¹

5. Each calendar month, the permittee shall monitor and inspect all potential sources of liquid and vapor leakage in the terminal's vapor recovery system, vapor processing system and at each load arm handling gasoline. The monitoring and inspections shall be completed during the loading of gasoline tank trucks. For the purposes of this paragraph, sight, sound and smell are acceptable means of detection. The sources of the leaks shall be repaired within fifteen (15) calendar days after it is detected. A record of each monthly inspection shall be kept on file at the facility. The monthly inspection record shall include, at a minimum, the following:
 - a. Date of inspection;
 - b. Findings - indicate either no leaks discovered or the location, nature and severity of each leak;
 - c. Leak determination method;
 - d. Corrective action including date of repair, reason for any repair interval in excess of 15 days; and
 - e. Inspectors name and signature.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.505)¹

Section E. Testing

1. The permittee shall conduct annual source performance tests to determine the mass rate of discharge of volatile organic compounds from the vapor recovery system. The test methods and procedures are set forth below and are referenced in Appendix A of 40 CFR, Part 60:
 - a. For the determination of volume at the exhaust vent:
 - (1) Method 2B for combustion vapor processing systems; and
 - (2) Method 2A for all other vapor processing systems.
 - b. Method 25A of 25B for the determination of total organic compounds concentration at the exhaust vent.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

2. Immediately prior to the performance test required in Special Condition E.1. of this Attachment, Method 21 shall be performed to monitor leaks in the terminal's vapor collection system equipment with the following conditions:
 - a. The monitoring shall be conducted while a gasoline tank truck is being loaded;
 - b. A reading of 10,000 ppmv or greater as methane shall be considered a leak; and
 - c. All leaks shall be repaired prior to conducting the performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

3. The tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity for at least six (6) hours. The test procedures of 40 CFR §60.503 shall be followed. The Department of Health may monitor the tests, and all test data and results must be submitted to the Department of Health no later than sixty (60) days after the completion of the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

4. At least thirty (30) days prior to the performance test, the permittee shall submit the following information to the Department of Health:
 - a. Date(s) of the performance test; and
 - b. Source test plan.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

5. Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

6. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results for the prior test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous test.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.503)¹

Section D. Notification and Reporting Requirements

1. 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 additional testing, 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)

2. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17, and 24, respectively:
 - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
 - b. *Intent to shut down 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 exceedences 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; SIP §11-60-10, SIP §11-60-16)²

3. The permittee shall submit **semi-annually** the following written reports to the Department of Health. The report 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. Any deviation from the permit conditions shall be clearly identified.
 - b. The rolling twelve (12) month total of gasoline and diesel fuel dispensed by the tank truck load rack. The attached *Annual Emissions/Monitoring Report Form - Tank Truck Load Rack*, shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, a Compliance Certification Form pursuant to HAR, Subsection 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:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. 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; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

The compliance certification shall be submitted **within ninety (90) 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 of Health determines that reasonable justification exists for the extension.

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

5. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/yr 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/Monitoring Report Form: Tank Truck Load Rack**, shall be used.

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

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

Section G. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The 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 pre-construction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The 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. 0092-02-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 portion of the permit encompasses the following equipment and associated appurtenances:

1. One 80,000 barrel Fixed Roof Petroleum Storage Tank No. 1;
2. One 80,000 barrel Internal Floating Roof Petroleum Storage Tank No. 2;
3. One 10,000 barrel Fixed Roof Petroleum Storage Tank No. 3;
4. One 10,000 barrel Internal Floating Roof Petroleum Storage Tank No. 6;
5. One 54,000 barrel Fixed Roof Petroleum Storage Tank No. 13; and
6. One 10,000 barrel Fixed Roof Petroleum Storage Tank No. 14.

(Auth.: HAR §11-60.1-3)

Section B. Emission and Operational Limitations

1. The John Zink vapor recovery system listed in Attachment IIA shall be utilized at all times. Under no circumstance shall tank nos. 1, 3, 13, and 14 store petroleum products with a true vapor pressure greater than 1.5 psia unless the tanks are connected to the vapor recovery system and the vapor recovery system is operating and fully functional.

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

2. The vapor recovery blower shall be activated when the vapor space pressure in tank nos. 1, 3, 13, and 14 reaches 1.8 inches of water pressure.

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

3. Petroleum storage tanks No. 2 and 6 shall have a fixed roof with an internal floating roof.

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

4. Tank nos. 2 and 6 shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
 - a. Foam or liquid-filled seal;
 - b. Two seals mounted one above the other; or
 - c. Mechanical shoe seal.

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

5. The internal floating roof of tank nos. 2 and 6 shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel 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 vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

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

6. The true vapor pressure of the volatile organic liquid (VOL) stored in petroleum storage tank nos. 2 and 6 shall be maintained below 11 psia at all times.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-39, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, 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 of Health or their representative upon request.

1. The permittee shall install, operate, and maintain a pressure gauge to record the pressure that activates the vapor recovery blower for tank nos. 1, 3, 13, and 14.

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

2. The permittee shall maintain records of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid stored during the respective storage periods.

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

Section D. Notification and Reporting Requirements

1. 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 additional testing, 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)

2. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17, and 24, respectively:

- a. *Intent to shut down 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 exceedences 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; SIP §11-60-10, SIP §11-60-16)²

3. Annual emission reports for the petroleum storage tanks shall be submitted to the Department of Health in accordance with Attachment IV, Annual Emissions Reporting Requirements. The attached **Annual Emissions Report Form: Fixed Roof Storage Tank** and the **Annual Emissions/Monitoring Report Form: Internal Floating Roof Storage Tank**, shall be used to satisfy the annual emissions reporting requirement.

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

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

4. **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 permittee shall submit records of the true vapor pressure for the products stored in tank nos. 2 and 6. The enclosed **Annual Emissions/Monitoring Report Form: Internal Floating Roof Storage Tank** shall be used.

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

5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, a Compliance Certification Form pursuant to HAR, Subsection 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:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. 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; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

The compliance certification shall be submitted **within ninety (90) 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 of Health determines that reasonable justification exists for the extension.

(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 Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The 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 pre-construction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The 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
MARINE VESSEL LOADING TERMINAL
COVERED SOURCE PERMIT NO. 0092-02-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 portion of the permit encompasses the marine vessel loading terminal located at Pier 31, with the following:

1. One 6" gasoline pipeline;
2. One 8" diesel pipeline; and
3. One 10" gasoline pipeline.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

The maximum throughput of the marine vessel loading terminal shall not exceed 16,000,000 gallons of gasoline and ethanol combined and 9,156,000 gallons of distillate during any rolling twelve (12) month period.

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

Section C. Monitoring and Recordkeeping Requirements

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, 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 of Health or their representative upon request.

1. **At least quarterly**, the marine vessel loading terminal shall be inspected for volatile organic liquid or vapor leaks during the loading of marine vessels. For the purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be repaired **within fifteen (15) calendar days after it is detected**. Components of the marine loading facility include loading arm, pump meter, shutoff valve, relief valve, and other support piping, valves, and hoses.

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

2. Prior to loading and/or unloading any volatile organic liquid at the marine vessel loading terminal, the permittee shall record the tank gauge readings to monitor the throughput of each type of volatile organic liquid handled by the marine vessel loading terminal. The total throughput of each type of volatile organic liquid handled by the marine vessel loading terminal shall be maintained on a rolling twelve (12) month basis.

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

3. Records shall be maintained on each quarterly inspection performed. Records shall include the date of inspection, findings, leak determination method, corrective actions taken, reasons for any repair interval in excess of fifteen (15) days, and the inspector's name. Inspection findings shall state whether or not leaks are detected. For each leak detected, record the location, nature, and severity of each leak.

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

Section D. Notification and Reporting Requirements

1. 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 additional testing, 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)

2. Notification and reporting pertaining to the following events shall be done in accordance with Attachment 1, Standard Condition Nos. 17 and 24, respectively:

- a. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and*

- b. *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; SIP §11-60-10, SIP §11-60-16)²

3. The permittee shall submit **semi-annually** the following written reports to the Department of Health. The report 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. Any deviation from the permit conditions shall be clearly identified.
- b. The rolling twelve (12) month total of gasoline/ethanol and distillate throughput of the marine vessel loading terminal. The attached **Annual Emissions/Monitoring Report Form - Marine Vessel Loading Terminal**, shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, a Compliance Certification Form pursuant to HAR, Subsection 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:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. 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; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

The compliance certification shall be submitted **within ninety (90) 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 of Health determines that reasonable justification exists for the extension.

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

5. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/yr 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/Monitoring Report Form: **Marine Vessel Loading Terminal***, shall be used.

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The 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 pre-construction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The 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. 0092-02-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:

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 of Health 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 of Health 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 in a permanent form suitable for inspection and made available to the Department of Health or their 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

1. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached Compliance Certification Form pursuant to HAR, Subsection 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:
 - a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status;
 - c. Whether compliance was continuous or intermittent;
 - d. The methods used for determining the compliance status of the source currently and over the reporting period;
 - e. 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; and
 - f. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in the attached 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.

2. The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official.
3. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(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 Covered Source Permit 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. 0092-02-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 **sixty (60) 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 of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0092-02-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.

1. Complete the attached forms:

Annual Emissions/Monitoring Report Form: Tank Truck Load Rack
Annual Emissions/Monitoring Report Form: Marine Vessel Loading Terminal
Annual Emissions/Monitoring Report Form: Internal Floating Roof Storage Tank
Annual Emissions Report Form: Fixed Roof Storage Tank

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

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

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 of Health upon request.
4. Any information submitted to the Department of Health 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.

**ANNUAL EMISSIONS/MONITORING REPORT FORM
TANK TRUCK LOAD RACK
COVERED SOURCE PERMIT NO. 0092-02-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 information:

For Period: _____ Date: _____

Facility Name: Shell Honolulu Terminal

Equipment Location: 789 N. Nimitz Highway, Honolulu, Oahu

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 (Print): _____

Title: _____

Responsible Official (Signature): _____

Load Rack Throughput (gallons)				
Month	Gasoline and Ethanol		Distillates	
	Monthly Total	Rolling 12-Month Total	Monthly Total	Rolling 12-Month Total
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

No. of stations: _____

No. of arms per station: _____

VRU efficiency: _____

**ANNUAL EMISSIONS/MONITORING REPORT FORM
MARINE VESSEL LOADING TERMINAL
COVERED SOURCE PERMIT NO. 0092-02-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 information:

For Period: _____ Date: _____

Facility Name: Shell Honolulu Terminal

Equipment Location: Pier 31, Honolulu, Oahu

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 (Print): _____

Title: _____

Responsible Official (Signature): _____

Marine Loading Terminal Throughput (gallons)				
Month	Gasoline and Ethanol		Distillates	
	Monthly Total	Rolling 12-Month Total	Monthly Total	Rolling 12-Month Total
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
FIXED ROOF PETROLEUM STORAGE TANK
COVERED SOURCE PERMIT NO. 0092-02-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 information:

For Period: _____ Date: _____

Facility Name: Shell Honolulu Terminal

Equipment Location: 789 N. Nimitz Highway, Honolulu, Oahu

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 (Print): _____

Title: _____

Responsible Official (Signature): _____

TANK NO.	1	3	13	14
CAPACITY (bbl)				
DIAMETER (ft)				
HEIGHT (ft)				
PAINT CONDITION				
COLOR				
POSITION				
TYPE OF ROOF				
PRODUCT NAME				
REID VAPOR PRESSURE (psi)				
TRUE VAPOR PRESSURE (psia)				
STORAGE TEMP. (°F)				
ANNUAL THROUGHPUT (bbl/yr)				

Vapor Recovery Unit Make & Model: _____

- a. Overall efficiency of the VRU: _____
- b. Number of incidences that breakthrough occurred during this reporting period: _____
- c. Number of incidences that the vapor recovery blower failed to activate at 1.8 inches of water: _____
- d. Attach separate sheet explaining the reasons for each breakthrough and blower failure.

**ANNUAL EMISSIONS/MONITORING REPORT FORM
INTERNAL FLOATING ROOF STORAGE TANK
COVERED SOURCE PERMIT NO. 0092-02-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 following information:

For Period: _____ Date: _____

Facility Name: Shell Honolulu Terminal

Equipment Location: 789 N. Nimitz Highway, Honolulu, Oahu

Equipment Description: _____

Serial/ID No.: _____

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 (Print): _____

Title: _____

Responsible Official (Signature): _____

**ANNUAL EMISSIONS/MONITORING REPORT FORM
INTERNAL FLOATING ROOF STORAGE TANK
COVERED SOURCE PERMIT NO. 0092-02-C
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

[Expiration Date]

TANK	NUMBER	2	6
	CAPACITY (bbl)		
	DIAMETER (ft) - D		
	COLOR		
	TYPE OF DECK ¹		
	NUMBER OF COLUMNS – N_c		
	TYPE OF RIM SEAL ²		
	TOTAL NUMBER OF DIFFERENT TYPE DECK FITTINGS ³ (DIMENSIONLESS) - n_f		
PRODUCT	NAME		
	REID VAPOR PRES (psi)		
	TRUE VAPOR PRES (psia)		
	STORAGE TEMP. (°F)		
ANNUAL THROUGHPUT (bbl/yr) – Q			

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 primary seal only
 Type LMP: Liquid-mounted primary seal only
 Type VMPS: Vapor-mounted primary seal plus secondary seal
 Type LMPS: Liquid-mounted primary seal plus secondary seal

³ For each tank, provide a listing of each type of deck fitting and the corresponding quantity of each fitting. [See Table 12.3-16, AP-42, Section 12.3.3(10/92)]