

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

06-XXXE CAB
File No. 0079-01

Mr. Gary J. Cushnie
Area Manager Operations
Chevron Products Company
91-480 Malakole Street
Kapolei, Hawaii 96707

Dear Mr. Cushnie:

**Subject: Covered Source Permit (CSP) No. 0079-01-C
Renewal Application No. 0079-03
Chevron Products Company
Hilo Marketing Terminal
Petroleum Storage Tanks and Bottom Loading Load Rack
with Vapor Combustion System
Located at: 666 Kalaniana'ole Street, Hilo, Hawaii
Date of Expiration: [Five-Year Period from Issuance Date]**

The subject covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part of your application received on December 13, 2005, and the additional information received on January 26, February 8, and April 12, 2006. This permit supersedes CSP No. 0079-01-C, issued on January 2, 2002, under application No. 0079-02, in its entirety.

The covered source permit is issued subject to the conditions/requirements set forth in the following attachments:

- Attachment I: Standard Conditions
- Attachment IIA: Special Conditions - Storage Tanks
- Attachment IIB: Special Conditions - Bottom Loading Load Rack
- Attachment II – INSIG: Special Conditions – Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

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The forms for the submission are:

Compliance Certification Form
Annual Emissions Report Form: Storage Tanks
Annual Emissions Report Form: Bottom Loading Load Rack
Monitoring Report Form: Storage Tanks
Monitoring Report Form: Bottom Loading Load Rack
Monitoring Report Form: Visible Emissions

The following are for use in visible emissions monitoring:

Visible Emissions Form Requirements State of Hawaii
Visible Emissions Form: Vapor Combustion System; and
The Ringelmann Chart

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 Hawaii 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

MM:lk

Enclosures

c: Ed Yamamoto, EHS - Hilo
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0079-01-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 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 – STORAGE TANKS
COVERED SOURCE PERMIT NO. 0079-01**

[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. Attachment IIA of this permit encompasses the following storage tanks:

Tank No.	Capacity (barrels)	Tank Description
2	9,914	fixed cone roof and internal floating roof with primary wiper seal
3	14,603	fixed cone roof and internal floating roof with mechanical shoe primary seal
9	1,088	fixed cone roof and internal floating roof with primary wiper seal
10	1,679	fixed cone roof and internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal
15	2,837	fixed cone roof and internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal
17	5,036	fixed cone roof and internal floating roof with Allentech Flex-A-Span mechanical shoe primary seal

(Auth.: HAR §11-60.1-3)

2. The permittee shall identify the tank number and product type for each storage tank. The identification number and product type shall be displayed on each tank at a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Operational Limitations and Standards

1. Internal Floating Roof Tank Nos. 2, 3, 9, 10, 15, and 17

- a. The true vapor pressure of the volatile organic liquid (VOL) stored shall be maintained below 11 psia at all times.
- b. Tanks shall be equipped with an internal floating roof which will rest or float on the liquid surface and be equipped with a closure seal(s) to close the space between the roof edge and the tank wall. All tank gauging and sampling devices 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)

Section C. Monitoring and Record keeping Requirements

1. Records

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 applications. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or its representative(s) upon request.

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

2. Internal Floating Roof Tank Nos. 2, 3, 9, 10, 15, and 17

- a. The internal floating roof seals shall be inspected periodically and repaired and replaced as needed. In no case shall the period between these inspections **exceed two (2) years**.
- b. The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage tank is emptied and degassed.
- c. Tank gauge readings shall be recorded and the records maintained to determine the yearly throughput for each tank for purposes of annual emissions reporting.
- d. Records showing the dimensions (feet) of the storage tanks and an analysis showing the capacity (gallons or barrels) of the storage tanks shall be maintained.
- e. Records shall be maintained on the type of VOL stored, the period of storage, and the maximum true vapor pressure (psia) of VOL during the respective storage period.

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

Section D. Notification and Reporting Requirements

1. Standard Condition Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17, and 25, 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, or any storage tank, 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)¹

2. Deviations

The permittee shall report **within five (5) working days** any deviations from permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventive measures taken. Corrective actions may include a requirement for testing, or 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)

3. Monitoring Report

The permittee shall submit **semi-annually** the following written report 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 - June 30 and July 1 - December 31), and shall include the following:

- a. For each storage tank, any true vapor pressure that exceeded 11 psia for the fuel stored during the reporting period; and
- b. Summary of any defects found with the control equipment and storage tank(s) during the reporting period for which an inspection was performed.

The enclosed **Monitoring Report Form: Storage Tanks**, shall be used for reporting.

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

4. 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. Completion and submittal of the **Annual Emissions Report Form: Storage Tanks** shall be used for reporting.

Upon the written request of the permittee, the deadline for reporting 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)

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, 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.

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 the 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

1. Any document (including reports) required to be submitted by this covered source permit shall be in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citations to the 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 IIB: SPECIAL CONDITIONS – BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0066-03**

[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. Attachment IIB of this permit encompasses the following equipment:
 - a. Bottom loading load rack with two (2) loading stations and eleven (11) 600 gallon per minute capacity load arms; and
 - b. John Zink vapor combustion system, model no. ZCT-2-8-35-X-2/8-X-X, serial no. 3843-1, TAC no. 900356/800461.
2. The permittee shall install an identification tag or name plate on the vapor combustion system which identifies the model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-3)

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. The bottom loading load rack and associated appurtenances are subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A - General Provisions; and
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart XX - Bulk Gasoline Terminals.
2. 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 covered source permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR 60.2, 40 CFR 60.500)¹

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161)

Section C. Operational and Emission Limitations

1. Load Rack Throughput

- a. The total combined throughput of the bottom loading load rack shall not exceed 985,522 barrels of motor gasoline and aviation gasoline per any rolling twelve-month (12-month) period.
- b. The total combined product throughput of the bottom loading load rack shall not exceed 3,600 gallons per minute.

(Auth.: HAR §11-60.1-3, §11.60.1-5, §11-60.1-90, §11-60.1-161)

2. Tank Truck Loading

Loading of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks. To verify vapor-tightness of the tank trucks, the permittee shall perform the following:

- a. Obtain the vapor tightness documentation referenced in Attachment IIB, Special Condition No. D.4 for each gasoline tank truck which is to be loaded at the facility.
- b. Require the tank identification number to be recorded as each gasoline tank truck is loaded at the terminal.
- c. **Within two (2) weeks** after the corresponding tank truck loading, the permittee shall cross-check each tank identification number with the vapor tightness documentation file referenced in this Attachment IIB, Special Condition No. D.4.
- d. Notify the owner or operator of the respective tank truck within **one (1) week** after the loading has occurred if the documentation file shows a tank truck to be nonvapor-tight.
- e. Ensure that the non-vapor-tight tank truck will not be reloaded at the facility until the vapor-tightness documentation for that truck is obtained, and the test results document a vapor-tight tank.
- f. Alternate procedures to Attachment IIB, Special Condition Nos. C.2.a through C.2.e for limiting gasoline tank truck loadings may be used upon application to, and approved by, the Department of Health.

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

3. Vapor Collection System

- a. The vapor collection system shall be designed to prevent any total organic compound vapors collected at one loading rack from passing to another loading rack.
- b. The permittee shall ensure that loadings of gasoline tank trucks are made into tank trucks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
- c. The permittee shall ensure that the terminal's and the tank truck's vapor collection systems are connected properly during each loading of a gasoline tank truck at the terminal. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the loading rack.
- d. 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 Pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d).
- e. No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 Pascals (450 mm of water).

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.502, 40 CFR 60.503)¹

4. Vapor Combustion System

- a. Emissions to the atmosphere from the vapor combustion system shall not exceed thirty-five milligrams of total organic compounds per liter (35 mg/l) of gasoline loaded.
- b. For any six (6) minute averaging period, the vapor combustion system shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the vapor combustion system may exhibit visible emissions greater than twenty (20) by not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.
- c. The vapor combustion system shall be fully functional and operational at all times whenever tank trucks are loaded at the bottom loading load rack. A pilot flame, as detected by the flame scanner, shall be present during each operation to load tank trucks.
- d. The vapor combustion system shall be maintained in accordance with manufacturer's specifications and as needed. Inspection of the vapor combustion system shall be in accordance with Attachment IIB, Special Condition No. D.8.

- e. The vapor combustion system shall be operated in accordance with manufacturer's specifications.

(Auth.: HAR §11-60.1-3, §11-60.1-16, §11-60.1-90, §11-60.1-161, 40 CFR 60.502)¹

5. Repairs

Any leaks or defects detected at the facility during the monthly inspection required by Attachment IIB, Special Condition No. D.8 shall be repaired within **fifteen (15) calendar days** after it is detected.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.502, SIP §11-60-15)^{1, 2}

Section D. Monitoring and Recordkeeping Requirements

1. Records

All records, including but not limited to, measurements and monitoring data, performance test results, inspections, maintenance performed, support information, reports required by permit, and all other information required by 40 CFR Part 60, shall be maintained in a permanent form suitable for inspection and shall be provided upon request to the Department of Health. All records shall be retained for **at least five (5) years** following the date of such measurements, calibration, sample, maintenance, or reports.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Load Rack Throughput

The permittee shall maintain and operate a non-resetting flow meter on each load arm to determine the throughput of the bottom loading load rack. A record of daily throughput of each product and the cumulative throughput shall be reported in accordance with Attachment IIB, Special Condition No. E.3 and E.4.

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

3. Flame Monitor

The permittee shall maintain and operate a flame scanner for the vapor combustion system to detect the presence of a pilot flame during tank truck loading operations. Maintenance or servicing shall be performed on the vapor combustion system if the flame scanner indicates the pilot assembly is not igniting during operations to load tank trucks.

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

4. Tank Truck Vapor Tightness

The permittee shall maintain a tank truck vapor tightness documentation file on each gasoline tank truck to be loaded at the facility for purposes of the requirements specified in Attachment IIB, Special Condition No. C.2. The file for each gasoline tank truck shall be updated **at least once per year** to reflect current test results as determined by 40 CFR 60, Appendix A, Method 27, Determination of Vapor Tightness of Gasoline Delivery Tank Using Pressure-Vacuum Test. This documentation file shall include, at a minimum, the following information:

- a. Test title: Gasoline Delivery Tank Pressure Test - EPA Reference Method 27;
- b. Tank truck owner and address;
- c. Tank truck identification number;
- d. Testing location;
- e. Date of test;
- f. Tester name and signature;
- g. Witnessing inspector, if any: name, signature, and affiliation; and
- h. Test results: actual pressure change in 5 minutes, as measured in mm of water (average for 2 runs).

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.505, SIP §11-60-15)^{1,2}

5. Pressure Measurement

The permittee shall operate and maintain a calibrated pressure measurement device (e.g., 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 for purposes of the requirements specified in Attachment IIB, Special Condition No. C.3. The device shall be operated on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.503, SIP §11-60-15)^{1,2}

6. Maintenance

The permittee shall keep maintenance records of all replacements or addition of components performed on the vapor collection system, vapor combustion system, and bottom loading load rack.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.505, SIP §11-60-15)^{1,2}

7. Tank Truck Owner Notification

The permittee shall keep documentation of all notifications made to owners or operators of gasoline tank trucks that were found to be non-vapor tight, as required by Attachment IIB, Special Condition No. C.2.d.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.505, SIP §11-60-15)^{1,2}

8. Monthly Leak Inspections

a. **At least monthly**, the vapor collection system, vapor combustion system, and bottom loading load rack shall be inspected during the loading of gasoline tank trucks for total organic compound liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and reported in accordance with Attachment IIB, Special Condition No. E.3.c. The leak inspection records shall include, at a minimum, the following information:

- i. Date of inspection;
- ii. Findings - indicate either no leaks discovered or the location, nature, and severity of each leak;
- iii. Leak determination method;
- iv. Corrective action, including date of repair and reason for any repair interval in excess of **fifteen (15) days**; and
- v. Inspector's name and signature.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.502, 40 CFR 60.505, SIP §11-60-15)^{1,2}

9. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted by a certified reader for the annual observation of the vapor combustion system, the permittee shall conduct **monthly** (calendar month), V.E. observations of the vapor combustion system to determine the presence of visible emissions during the loading of tank trucks. The **Monitoring Report Form: Bottom Loading Load rack** shall be used for reporting. After initial start-up of the vapor combustion system, if visible emissions are observed during tank truck loading, V.E. observations shall be conducted in accordance with Attachment IIB, Special Condition No. D.9.b.
- b. Except in those months where V.E. observations are conducted by a certified reader for the annual observations of the vapor combustion system and if visible emissions are observed pursuant to Attachment IIB, Special Condition D.9.a, the permittee shall conduct **monthly** (calendar month), V.E. observations for the vapor combustion system in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the visible emissions form requirements. If there are no visible emissions from the vapor combustion system, V.E. observations shall be conducted in accordance with Attachment IIB, Special Condition D.9.a.
- c. The permittee shall conduct annually (calendar year), V.E. observations for the vapor combustion system by a certified reader in accordance with 40 CFR, Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the visible emissions form requirements.
- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation for the vapor combustion system. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. Observation.

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

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17, and 25, 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 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; SIP §11-60-10; SIP §11-60-16)²

2. Deviations

The permittee shall report **within five (5) working** days any deviations from permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional testing, or 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)

3. Monitoring Report

The permittee shall submit semi-annually the following written report 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 - June 30 and July 1 - December 31), and shall include the following:

- a. The throughput (barrels) summary of motor gasoline and aviation gasoline loaded at the bottom loading load rack on a monthly and rolling twelve-month (12-month) basis and the reporting of any gallon per minute exceedance.
- b. All incidences when a pilot flame was not present at the vapor combustion system.
- c. Summary of any leaks or defects found with the vapor collection system, vapor combustion system, and bottom loading load rack during the reporting period for which an inspection was performed.
- d. Incidences when visible emissions were observed from the vapor combustion system during the reporting period for which and inspection was performed.

- e. Any opacity exceedances as determined by visible emissions monitoring of the vapor combustion system. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit, in writing, a statement that there were no exceedances for that semi-annual period.
- f. Deviations from permit requirements shall be clearly identified and addressed in the reports.

The enclosed **Monitoring Report Form: Bottom Loading Load Rack**, shall be used.

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

4. 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. Completion and submittal of the **Annual Emissions Report Form: Bottom Loading Load Rack** shall be used for reporting.

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)

5. Performance Testing

- a. **At least thirty (30) days prior** to conducting a source performance test required by Attachment IIB, Special Condition No. F.1, the permittee shall submit a source test plan notifying the Department of Health of the event and the procedures for the test. Notification shall be in accordance with Attachment IIB, Special Condition No. F.5.
- b. **Within sixty (60) days after** completion of a source performance test, the permittee shall submit the test results as specified in Attachment IIB, Special Condition No. F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.8, 40 CFR 60.503, SIP §11-60.1-15)^{1,2}

6. Compliance Certification

During the permit term, the permittee shall submit **at least annually** to the Department of Health and U.S. EPA Region 9, the attachment **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 the 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 F. Testing Requirements

1. Annual Performance Test

On an annual basis, or at such other times as determined by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the bottom loading load rack to determine compliance with Attachment IIB, Special Condition Nos. C.3.d and C.4.a.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8, 40 CFR 60.503, SIP §11-60-15)^{1,2}

2. Testing Expense and Monitoring

The permittee shall provide sample and testing facilities at its own expense and the Department of Health may monitor the performance tests.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-15, §11-60.1-90)

3. Performance Test Procedures

- a. To determine compliance with Attachment IIB, Special Condition No. C.3.d, during the performance test, the pressure shall be recorded every 5 minutes while a gasoline tank truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.
- b. Compliance with Attachment IIB, Special Condition No. C.4.a shall be determined as follows:
 - i. The performance test shall be six (6) hours long during which at least 300,000 liters of gasoline shall be loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline are loaded or the test may be resumed the next day with another complete 6-hour period. In the later case, the 300,000 liter criterion need not be met. As much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs.
 - ii. If the vapor processing is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processing unit. If this does not occur under automatically controlled operations, the system shall be manually controlled.

- iii. The emission rate of total organic compounds shall be computed using the equation described in 40 CFR Part 60, §60.503(c)(3).
- iv. The performance test shall be conducted in intervals of 5 minutes. For each interval, readings from each measurement shall be recorded, and the volume exhausted and the corresponding average total organic compounds concentration shall be determined. The sampling system response time shall be considered in determining the average total organic compound concentration corresponding to the volume exhausted.
- v. To determine the volume of gasoline dispensed during the performance test period, terminal records or readings from gasoline dispensing meters shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8; 40 CFR 60.503; SIP §11-60-15)^{1,2}

4. Performance Test Methods

Performance tests shall be conducted and results reported in accordance with the test methods and procedures set forth in 40 CFR 60.8, 40 CFR 60.503, and 40 CFR 60, Appendix A. The following test methods in 40 CFR 60, Appendix A or U.S. EPA-approved equivalent methods shall be used:

- a. Method 21, Determination of Volatile Organic Compound Leaks. This procedure shall be performed immediately before the performance test to monitor leakage of vapors from all potential sources in the vapor collection system while a gasoline tank truck is being loaded. Any areas measured at 10,000 ppm (as methane) or greater, shall be repaired prior to conducting the performance test.
- b. Method 2A, Direct Measurement of Gas Volume Through Pipes and Small Ducts. This procedure is to be used for all vapor type processing systems except combustion type processing systems.
- c. Method 2B, Determination of Exhaust Gas Volume Flow Rate From Gasoline Vapor Incinerators. This procedure is to be used for all combustion vapor processing systems.
- d. The following methods shall be used to determine the total organic compound concentration exiting the vapor combustion system:
 - i. Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame ionization Analyzer; or
 - ii. Method 25B, Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer.

- e. Terminal records or readings from gasoline dispensing meters at the bottom loading load rack shall be used to determine the volume of gasoline dispensed during the performance test period.

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, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, 40 CFR 60.503, SIP §11-60-15)^{1,2}

5. Performance Test Plan

At least thirty (30) days prior to conducting the performance test, the permittee shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test methods, source operation, and any other parameters that may affect the test results. A test plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR 60.8, SIP §11-60-15)^{1,2}

6. Performance Test Report

Within sixty (60) days after completion of the performance test, the permittee shall submit to the Department of Health the test report which includes the operating conditions of the bottom loading load rack and vapor combustion system at the time of the test (e.g., gasoline throughput), the summarized test results, other pertinent support calculations, and field/laboratory data.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60.503, SIP §11-60-15)^{1,2}

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for a specific annual performance test required by Attachment IIB, Special Condition No. F.1. The waiver request is to be submitted prior to the required performance test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of 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 performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Agency Notification

1. Any document (including reports) required to be submitted by this covered source permit shall be in accordance with Attachment I, Standard Condition No. 29.

(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 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 II – INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0079-01-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. Attachment II – INSIG encompasses the following insignificant activities:

- a. 11,000 barrel vertical fixed cone roof Tank No. 1;
- b. 3,300 barrel vertical fixed cone roof Tank No. 6;
- c. 6,000 barrel vertical fixed cone roof Tank No. 7;
- d. 1,400 barrel vertical fixed cone roof Tank No. 8;
- e. 4,700 barrel vertical fixed cone roof Tank No. 11;
- f. 14,000 barrel vertical fixed cone roof Tank No. 12;
- g. 19,600 barrel vertical fixed cone roof Tank No. 13
- h. 11,300 barrel vertical fixed cone roof Tank No. 16;
- i. 600 barrel vertical fixed cone roof Tank No. 18;
- j. 500 gallon transmix tank;
- k. 179 barrel horizontal fixed roof additive Tank No. 22;
- l. 250 gallon propane tank;
- m. 1,000 gallon proover tank;
- n. 150 gallon proover tank;
- o. AFL oil water separator;
- p. 9,600 gallon concrete sump;
- q. top loading fuel oil tank truck loading rack;
- r. diesel and jet fuel filter draining; and
- s. equipment leaks.

(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.

(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

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:

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; and
6. 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.

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 covered source permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0079-01-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 **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**

PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0079-01-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.

1. Complete the attached forms:

Annual Emissions Report Form: Storage Tanks

Annual Emissions Report Form: Bottom Loading Load Rack

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.

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0079-01-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 following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

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.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Complete the following information for **each** term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: _____

2. Emissions Unit No./Description: _____

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0079-01-C
(CONTINUED, PAGE 2 OF 2)**

c. If NO, explain.

5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.):

6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

YES NO

b. If YES, identify those requirements:

c. If NO, describe below which requirements are not being met:

PROPOSED

**ANNUAL EMISSIONS FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0079-01-C
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

In accordance with the HAR, 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 Additional Use)

For Reporting Period: _____ Date: _____

Company: Chevron Products Company

Facility Name: Hilo Marketing Terminal

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 & PRODUCT DESCRIPTION	TANK NUMBER					
	HMT 2			HMT 3		
TANK CAPACITY (gallons)						
TANK DIAMETER (ft)						
DECK TYPE (bolted/welded)						
PRODUCT NAME	1			1		
	2			2		
	3			3		
TRUE VAPOR PRESSURE	1	2	3	1	2	3
LIQUID MOLECULAR WEIGHT						
VAPOR MOLECULAR WEIGHT						
AVG. STORAGE TEMPERATURE (°F)						
ANNUAL THROUGHPUT (gallons)	1			1		
	2			2		
	3			3		

PROPOSED

**ANNUAL EMISSIONS FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0079-01-C
(CONTINUED, PAGE 2 OF 2)**

(Make Copies for Additional Use)

TANK & PRODUCT DESCRIPTION	TANK NUMBER					
	HMT 9			HMT 10		
TANK CAPACITY (gallons)						
TANK DIAMETER (ft)						
DECK TYPE (bolted/welded)						
PRODUCT NAME	1			1		
	2			2		
	3			3		
TRUE VAPOR PRESSURE	1	2	3	1	2	3
LIQUID MOLECULAR WEIGHT						
VAPOR MOLECULAR WEIGHT						
AVG. STORAGE TEMPERATURE (°F)						
ANNUAL THROUGHPUT (gallons)	1			1		
	2			2		
	3			3		

TANK & PRODUCT DESCRIPTION	TANK NUMBER					
	HMT 15			HMT 17		
TANK CAPACITY (gallons)						
TANK DIAMETER (ft)						
DECK TYPE (bolted/welded)						
PRODUCT NAME	1			1		
	2			2		
	3			3		
TRUE VAPOR PRESSURE	1	2	3	1	2	3
LIQUID MOLECULAR WEIGHT						
VAPOR MOLECULAR WEIGHT						
AVG. STORAGE TEMPERATURE (°F)						
ANNUAL THROUGHPUT (gallons)	1			1		
	2			2		
	3			3		

**MONITORING REPORT FORM
STORAGE TANKS
COVERED SOURCE PERMIT NO. 0079-01-C**

[Issuance Date]

[Expiration Date]

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Company: Chevron Products Company

Facility Name: Hilo Marketing Terminal

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): _____

1. True Vapor Pressure Exceedances Above 11 psia:

Tank No.	True Vapor Pressure (psia)	How Determined	Type of Fuel Stored	Period of Exceedence	Storage Temperature (°F)

2. Tank Inspection Summary:

Tank No.	Inspection Date	Deficiencies/Defects	Date and Repair Made	Date Tank was Last Emptied
		Description		

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0079-01-C**

[Issuance Date]

[Expiration Date]

In accordance with the HAR, 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 Additional Use)

For Reporting Period: _____ Date: _____

Company: Chevron Products Company

Facility Name: Hilo Marketing Terminal

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): _____

Product	Total Throughput (barrels/yr)
Motor Gasoline	
Aviation Gasoline	
Jet Fuel	
High Sulfur Diesel	
Low Sulfur Diesel	

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
COVERED SOURCE PERMIT NO. 0079-01-C
(PAGE 1 OF 4)**

[Issuance Date]

[Expiration Date]

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Company: Chevron Products Company

Facility Name: Hilo Marketing Terminal

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): _____

1. Bottom Loading Load Rack Throughput:

Month	Product		
	Motor Gasoline (gallons)	Aviation Gasoline (gallons)	Total Combined Motor and Aviation Gasoline (gallons) 12-Month Rolling Basis
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
(CONTINUED, PAGE 2 OF 4)**

2. Identify in the table below all incidences when the total combined product throughput at the bottom loading load rack exceeded 3,600 gallons per minute.

Date	Total Combined Throughput (gallons/minute)	Corrective Actions

3. Identify in the table below all incidences when a pilot flame was not present at the vapor combustions system during tank truck loading at the bottom loading load rack.

Date	Duration of Loading without Flame	Corrective Actions

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
(CONTINUED, PAGE 3 OF 4)**

4. Bottom Loading Load Rack Inspection Summary:

Month	Inspection Date	Leaks Detected (Yes/No)	Nature of Leak or Defect	Leak Determination Method	Date and Repair Description
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

**MONITORING REPORT FORM
BOTTOM LOADING LOAD RACK
(CONTINUED, PAGE 4 OF 4)**

5. Vapor Combustion System Visible Emissions Summary:

Month	Inspection Date	Visible Emissions (Yes/No)	Emissions Description (e.g., color, heavy, light, % opacity)	Corrective Action
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0079-01-C**

[Issuance Date]

[Expiration Date]

The Visible Emissions (V.E.) Form shall be completed monthly (each calendar month) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or use of a Ringelmann Chart as provided. At least **annually** (calendar year), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at the maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's V.E. monitoring requirements for the month the performance test is performed.

PROPOSED

VISIBLE EMISSIONS FORM VAPOR COMBUSTION SYSTEM COVERED SOURCE PERMIT NO. 0079-01-C	
[Issuance Date]	[Expiration Date]

(Make Copies for Future Use for Each Stack or Emission Point)

Permit No.: 0079-01-C
 Company Name: Chevron Products Company

Equipment and Fuel: _____

Site Conditions:

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

Wind speed (mph): _____

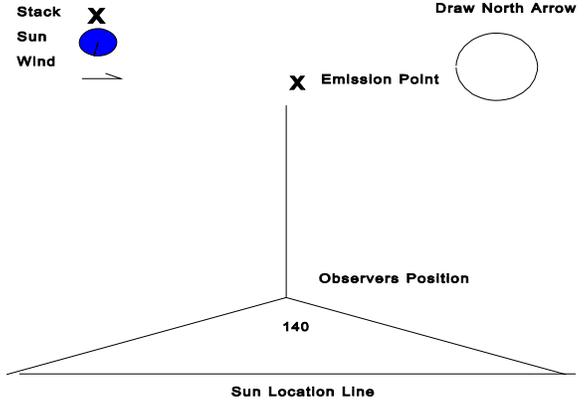
Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____

Method of observation (Ringelmann Chart or Method 9): _____



SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: _____

Method of observation (Ringelmann Chart or Method 9): _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					