

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

[Issuance Date]

04-A
File No. 0220-01

Mr. David Keith
General Manager Operations
Aloha Petroleum, Ltd.
91-119 Hanua St.
Kapolei, Hawaii 96707-1728

Dear Mr. Keith:

**Subject: Covered Source Permit (CSP) No. 0220-01-C
Significant Modification
Application No. 0220-08
Aloha Petroleum, Ltd.
Ten (10) Petroleum Storage Tanks, Tank Truck Loading Rack
Located at Barbers Point Sales Terminal, Campbell Industrial Park, Oahu
Date of Expiration: June 17, 2007**

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 modification application dated June 4, 2004.

This Covered Source Permit amends and supersedes CSP No. 0220-01-C issued on June 18, 2002, 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 for the Storage Tanks
Attachment IIB: Special Conditions for the Loading Rack
Attachment IIC: Insignificant Activities
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements
Attachment V: Compliance Certification

The following forms for submission are as follows:

Annual Emissions Report Form: Internal Roof Storage Tank

Annual Emissions/Monitoring Report Form: Tank Truck Load Rack

This permit, (a) shall not in any manner affect the title of the premises upon which the equipment is to

be located, (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment, and (c) in no manner implies or suggests that the 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.

Within thirty (30) days of the 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 facility.

Sincerely,

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

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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)

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 Director of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7)

4. A request for transfer from person to person shall be made on forms furnished by the Director 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 Regional Administrator for the U.S. Environmental Protection Agency (EPA).

(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)

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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 §11-60.1-90)

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 §11-60.1-10, §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 Director of Health 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.
- 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 permit. 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 Administrator along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Director 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)

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-97, in the event any emission unit, air pollution control equipment, or related equipment 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 failure or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the failure 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 emission points;
- b. Magnitude of the excess emissions;
- c. Time and duration of the excess emissions;
- d. Identity of the process or control equipment causing the excess emissions;
- e. Cause and nature of the excess emissions;

- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the 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)

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. 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)

20. 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.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, section 11-60.1-4.

(Auth.: §11-60.1-4, HAR §11-60.1-90)

24. 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 assure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

25. 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 Director of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8)

26. Application for permit renewal shall be submitted a minimum of twelve (12) months prior to the date of permit expiration on forms furnished by the Director of Health in accordance with HAR, section 11-60.1-101.

(Auth.: HAR §11-60.1-101)

27. 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)

28. 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 Director of Health and the Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

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29. 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
Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378**

Upon request, 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)

**ATTACHMENT IIA: SPECIAL CONDITIONS FOR STORAGE TANKS
COVERED SOURCE PERMIT NO. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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.

Attachment IIA of this permit encompasses:

1. four (4) each 50,000 barrel Internal Floating Roof Petroleum Storage Tanks, no. 50101, 50102, 50103, and 50205;
2. one (1) each 35,000 barrel Internal Floating Roof Petroleum Storage Tank, no. 35201;
3. one (1) each, 60,000 barrel Internal Floating Roof Petroleum Storage Tank, no. 60202;
4. two (2) each, 68,000 barrel Internal Floating Roof Petroleum Storage Tanks, no. 68203 and 68204;
5. one (1) each, 5,000 barrel Internal Floating Roof Commingle Petroleum Storage Tank, no. BT-301;
6. one (1) each, 238 barrel Horizontal Above Ground Gas Additive Storage Tank, no. 2000; and
7. five (5) each, 8-inch petroleum pipeline and associated fittings and valves from the manifold to the marine terminals at the barge harbor and deep draft harbor.

(Auth.: HAR §11-60.1-3)

Section B. Applicable Federal Regulations

The internal floating roof petroleum storage tanks, no. 50101, 50102, 50103, 35201, 60202, 68203, 68204, 50205 and BT-301 are subject to the provisions of 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 Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

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.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.110b)¹

Section C. Operational Limitations.

1. Petroleum storage tanks No. 50101, 50102, 50103, 35201, 60202, 68203, 68204, 50205, and BT-301 shall have a fixed roof with an internal floating roof and shall meet the specifications pursuant to 40 CFR Part 60, Section 60.112b(a)(1).

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90, §11-60.1-161; 40 CFR §60.112b)¹

2. The tanks 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.

The construction and installation shall comply with the requirements of 40 CFR Part 60 section 60.112b (a)(1).

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90, §11-60.1-161; 40 CFR §60.112b)¹

3. The internal floating roof 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, §11-60.1-39, §11-60.1-90, §11-60.1-161; 40 CFR §60.112b)¹

4. The true vapor pressure of the volatile organic liquid (VOL) stored in petroleum storage tanks 50101, 50102, 50103, 35201, 60202, 68203, 68204, 50205 and BT-301 shall be maintained below 11 psia at all times. Determination of the true vapor pressure shall be done according to an applicable method specified in NSPS, Subpart Kb.

(Auth.: HAR §11-60.1-3, §11-60.1-39, §11-60.1-90, §11-60.1-161; 40 CFR §60.112b)¹

Section D. Testing and Procedures.

After installing the control equipment required to meet 40 CFR Part 60 Section 60.112b(a), the permittee shall comply with the requirements of 40 CFR Part 60 Section 60.113b(a).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.113b)¹

Section E. 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. Records showing the dimensions (feet) of each storage tank and the analysis showing the capacity (cubic feet) of each storage tank shall be maintained for the life of the tanks.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.116b)¹

2. Records shall be maintained on the type of VOL stored, the period of storage, and the maximum true vapor pressure (kPa) of the VOL stored during the respective storage period. Determination of the maximum true vapor pressure shall be in accordance with 40 CFR Part 60, Section 116b(e). Records shall be maintained on a monthly basis and kept for at least 5 years.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.116b)¹

3. Inspection and repairs of each storage tank shall be conducted in accordance with 40 CFR Part 60, Section 60.113b(a). Records shall be maintained on each inspection performed. Records shall include the storage tank identification, the date the tank was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Any defects and associated corrective actions shall be clearly documented and reported to the Department of Health within thirty (30) days of the inspection. The report shall identify the storage vessel, the nature of the defects, the date the storage vessel was emptied, the nature of and date the repair was made, and the reason it did not meet the specifications of 40 CFR 60 Section 60.112b(a) or 60.113b(a)(3).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.115b)¹

4. The permittee shall install, maintain, and operate an automatic tank gauging system on each storage tank to monitor the throughput of petroleum product. A throughput summary shall be compiled and recorded at the end of each calendar month. The records shall be maintained for a minimum of five (5) years in a permanent form suitable for inspection and

made available to the Department of Health upon request.

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

Section F. 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 stack 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. Each time storage tanks 50101, 50102, 50103, 35201, 60202, 68203, 68204, 50205, and BT-305 are emptied and degassed or an inspection is required pursuant to 40 CFR 113b(a)(1) and (a)(4), the permittee shall notify the Department of Health in writing **at least thirty (30) days prior** to the event.

If the inspection required by 40 CFR Part 60, Section 113b(a)(4) is unplanned and the required thirty (30) day advance notice cannot be given, the permittee shall notify the Department of Health at least seven (7) days prior to the refilling of a tank. Notification shall be made by telephone followed immediately by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail, so that the Department of Health receives the notice at least seven (7) days prior to the refilling.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.115b)¹

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. Type of VOL stored in the tank, dates of storage, and maximum true vapor pressure (KPa) of the VOL stored during the respective storage period by month; and
 - b. Records of the storage tank inspections required in Special Condition No. E.3.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-161; 40 CFR §60.115b)¹

4. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and USEPA Region 9, a compliance certification 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 Report Form: Internal Roof Storage Tank* 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.

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(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 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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- 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 FOR THE LOADING RACK
COVERED SOURCE PERMIT NO. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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 tank truck loading rack with of four (4) loading stations, each loading station shall have five (5) loading arms.
 - b. John Zink carbon absorption vapor recovery unit, model no. AAT-609-12-7-12.

(Auth.: HAR §11-60.1-3)

2. The permittee shall install an identification tag or name plate on the carbon absorption vapor recovery unit 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 §11-60.1-5)

Section B. Applicable Federal Regulations

The truck loading 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. New Source Performance Standards (NSPS), Subpart XX - Standards of Performance for Bulk Gasoline Terminals.

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.

(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 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

2. The maximum throughput of the petroleum truck loading rack shall not exceed 500,000 gallons per day (11,904 barrels per day) based on the design limit of the vapor recovery unit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. The maximum throughput of the petroleum truck loading rack shall not exceed 181,000,000 gallons (4,309,524 barrels) per rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.5, §11-60.1-90)

4. 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

5. 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)¹

6. 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

7. 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, as 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 D.2.(b) of this section, 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 loading rack 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 terminal for a minimum of five (5) years. The records shall be in a

permanent form suitable for inspection and made available to the Department of Health upon request. The monthly inspection record shall include, as 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 E.1. above, 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.
 - 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 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 F. 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. 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. At a minimum, the report shall include the information identified in HAR ' 11-60.1-16(b).
- 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)

3. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and USEPA Region 9, Attachment V: Compliance Certification 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)

4. 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. 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 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 FOR INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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, Attachment V: Compliance Certification 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;
 - c. 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 Attachment V, 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)

CSP No. 0220-01-C
Attachment IIC
Page 3 of 3
Issuance Date: date
Expiration Date: June 17, 2007

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. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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 days after the end of each calendar year; and
 - b. Within thirty 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 submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

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

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO.: 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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 for *Annual Emissions Report Form. Internal Roof Storage Tank*; and *Annual Emissions/Monitoring Report Form. Tank Truck 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:

**Environmental Management Division
Clean Air Branch
State 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 by submitting a written request to the Director of Health and clearly identifying the specific information that is to be accorded confidential treatment.

**ANNUAL EMISSIONS REPORT FORM
INTERNAL ROOF STORAGE TANK
PERMIT NO.: 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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.

For Period: _____ Date: _____

Facility Name: Aloha Petroleum, Ltd. – Barber's Point Sales Terminal

Equipment Location: 91-119 Hanua Street, Kapolei, HI, 96707

Equipment Description: _____

Serial/ID No.: _____

Responsible Official (PRINT): _____

Title: _____

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

Responsible Official (Signature): _____

TANK	NUMBER					
	CAPACITY (bbl)					
	DIAMETER (ft) - D					
	COLOR					
	TYPE OF DECK ¹					
	NUMBER OF COLUMNS - Nc					
	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						

Cont. Internal Floating Roof Storage Tank

- 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)]

**ANNUAL EMISSIONS/MONITORING REPORT FORM
TANK TRUCK LOAD RACK
PERMIT NO.: 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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 semi-annually.

For Period: _____ Date: _____

Facility Name: Aloha Petroleum, Ltd. – Barber's Point Sales Terminal

Equipment Location: 91-119 Hanua Street, Kapolei, HI, 96707

Responsible Official (PRINT): _____

Title: _____

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

Responsible Official (Signature): _____

THROUGHPUT OF LOAD RACK				
MONTH	TYPE OF FUEL (Gallons)			Rolling 12-Month Total
	Unleaded Premium	Unleaded Regular	Diesel	
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
TOTAL				

Vapor Recovery Unit Make & Model: _____

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

**ATTACHMENT V: COMPLIANCE CERTIFICATION
COVERED SOURCE PERMIT NO. 0220-01-C**

Issuance Date: date

Expiration Date: June 17, 2007

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.

For Period: _____ Date: _____

Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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

Complete the following information for **each** applicable requirement and/or 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 applicable requirement(s), and/or 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 applicable requirement(s) and/or permit term(s) or condition(s)?
 ? YES ? NO
 - b. If YES, was compliance continuous or intermittent?
 ? Continuous ? Intermittent

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:
