

**REQUEST FOR PUBLIC COMMENTS
ON DRAFT AIR PERMIT
REGULATING THE EMISSIONS OF AIR POLLUTANTS**

(Docket No. 06-CA-PA-21)

Pursuant to Hawaii Revised Statutes (HRS), Chapter 342B-13 and Hawaii Administrative Rules (HAR), Chapter 11-60.1, the Department of Health, State of Hawaii (DOH), is requesting public comments on a **DRAFT PERMIT** presently under review for:

Initial Covered Source Permit (CSP) No. 0620-01-C

Kauai Ethanol, LLC

12-Million Gallon per Year Ethanol Plant

Located at TMK: 1-7-06-1, Kaumakani, Kauai

The **DRAFT PERMIT** is described as follows:

Covered Source Permit No. 0620-01-C would grant conditional approval to operate the following equipment at the Kauai Ethanol facility:

1. One (1) Carbon Dioxide Scrubber with six (6) sieve trays;
2. One (1) Ethanol Scrubber with eight (8) sieve trays;
3. One (1) 70 MMBtu/hr stoker-fired steam boiler;
4. Air Pollution Control Equipment for the Boiler:
 - a. Limestone injection system;
 - b. Selective non-catalytic reduction (SNCR) with ammonia/urea injection system;
 - c. One 2,500 gallon urea storage tank; and
 - d. Baghouse;
5. Bottom-loading petroleum tank truck loading rack with of two (2) 650 gpm loading arms;
6. One (1) Vapor Combustion Unit;
7. One (1) 1.45 MW Diesel Engine Generator set;
8. One (1) 145 bhp Diesel Engine Fire Pump; and
9. One (1) Cooling Tower and its associated appurtenances.

The applicant is proposing to construct and operate a 12-million gallon per year ethanol manufacturing facility. The fuel grade ethanol will be manufactured by processing molasses. The basic process involves fermenting, distilling, and dehydrating. Support processes include power and steam generation and ethanol storage and distribution. The facility is expected to operate 24 hours per day and 8,360 hours per year.

The two scrubbers used in the plant will emit volatile organic compounds, carbon dioxide, and water vapor. The facility is subject to the federal Standards of Performance for New Stationary Sources, Title 40 CFR, Part 60, Subpart VV, Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.

The steam boiler may be fired on coal, fuel oil no. 2, and specification used oil. The steam boiler is subject to the federal Standards of Performance for New Stationary Sources, Title 40 CFR, Part 60, Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

The diesel engine generator and diesel engine fire pump will be fired on fuel oil no. 2. The diesel engines are subject to the federal Standards of Performance for New Stationary Sources, Title 40 CFR, Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

The **ADMINISTRATIVE RECORD**, consisting of the **APPLICATION** and non-confidential supporting materials from the applicant, the permit review summary, and the **DRAFT PERMIT**, is available for public inspection during regular office hours, Monday through Friday, 7:45 a.m. to 4:15 p.m., at the following location:

Oahu:

- Clean Air Branch, Department of Health
919 Ala Moana Boulevard, Room 203, Honolulu, Oahu

Kauai:

- Office of the Chief Sanitarian, Department of Health
3040 Umi Street, Lihue, Kauai

All comments on the draft permit and any request for a public hearing must be in writing, addressed to the Clean Air Branch at the above address on Oahu and must be postmarked or received by **December 9, 2006**.

Any person may request a public hearing by submitting a written request that explains the party's interest and the reasons why a hearing is warranted. At the sole discretion of the Director of Health, DOH may hold a public hearing if a hearing would aid in DOH's decision. If a public hearing is warranted, a public notice for the hearing will be published at least thirty days in advance of the hearing.

Interested persons may obtain copies of the administrative record or parts thereof by paying **five cents per page copying costs**. Please send written requests to the Oahu office of the Clean Air Branch listed above or call Mr. Stuart Shoji at the Clean Air Branch in Honolulu at (808) 586-4200.

Comments on the draft permit should address, but need not be limited to, the permit conditions and the facility's compliance with federal and state air pollution laws, including: (1) the National and State Ambient Air Quality Standards; and (2) HRS, Chapter 342B and HAR, Chapter 11-60.1.

DOH will make a final decision on the permit after considering all comments and will send notice of the final decision to each person who has submitted comments or requested such notice.

Chiyome Leinaala Fukino, M.D.
Director of Health

Posted on or before: November 9, 2006