

The Environmental Notice

A SEMI-MONTHLY BULLETIN OF THE OFFICE OF ENVIRONMENTAL QUALITY CONTROL



BENJAMIN J. CAYETANO
GOVERNOR

**OFFICE OF
ENVIRONMENTAL
QUALITY CONTROL**

GARY GILL
DIRECTOR

The Environmental Notice
reviews the environmental impacts of
projects proposed in Hawaii

Other Resources
available at OEQC . . .

- *Guidebook for Hawaii's Environmental Review Process*
- *Environmental Impact Study Resource Library*
- *Environmental Education Database*
- *Environmental Council Annual Reports*
- *Rules and Policies*
- *"How to Plant a Native Hawaiian Garden"*

OEQC

235 S. BERETANIA ST.
STATE OFFICE TOWER
SUITE 702
HONOLULU, HI 96813

Tel. (808) 586-4185
Fax. (808) 586-4186

Molokai & Lanai: 1-800-468-4644 ext. 64185
Kauai: 274-3141 ext. 64185
Maui: 984-2400 ext. 64185
Hawaii: 974-4000 ext. 64185

APRIL 8, 1999

Lihue Energy Center FEIS

A FEIS for the Lihue Energy Service Center has been submitted to OEQC. During the circulation of the draft EIS, about fifty comment letters were received from various agencies, organizations and individuals. An unresolved issue is the selection of one of the three sites (Puhi, Field 390, or Airport Industrial sites). Following review of comment letters and consultation with community leaders, Kaua'i Electric (KE) asked the County to suspend processing of the land use applications it had submitted for the Puhi Site.

Instead, it asked the County to process applications for the Field 390 site. KE also notified the County and the landowner that it would no longer seek approvals at the Airport Industrial site. Another unresolved issue is the exact timing of the construction of generating units (which depends on how closely the actual demand for electricity matches KE's forecasts and the extent to which alternate, renewable energy technologies that do not benefit from centralized siting become practical). See page 19.

Waiakea Timber Commerical Harvesting & Reforestation

After consulting with various agencies/organizations and individuals (OHA, DLNR-SHPD, NARS, USDA, USFWS, USGS, NPS, Pig Hunters of Hawai'i, Sierra Club, *et alia*) DLNR's Division of Forestry and Wildlife proposes to commercially harvest timber and non-timber forest products from the Waiakea Timber Management Area (WTMA) and to subsequently reforest the area. WTMA is located about five miles southwest of Hilo, along the Stainback Highway extending from 400 to 3,200 feet in elevation (near the site of the proposed Hawai'i Island Correction Facility; see, TEN 11/08/98).

Within WTMA, native forest stands will be accessible for traditional gathering of forest resources, research, hunting, and recreation. Commercial timber management activities will not be conducted in those areas containing 60 percent or more native forest cover. See page 15.

Coastal Engineering Research Board Meets in Honolulu

The U.S. Army Corps of Engineers Coastal Engineering Research Board (CERB) will be meeting in Honolulu at the Ilikai Hotel from **APRIL 14-16, 1998**. CERB encourages the public to participate in these meetings; however, to ensure adequate space, participants are asked to send notice to CERB. For more details see page 23.

Koko Head Regional Park Draft EIS Correction

The accepting authority for Koko Head Regional Park and Nature Preserve draft EIS is the City and County of Honolulu's Department of Planning and Permitting on behalf of the mayor. The contact person is Eugene Takahashi, 527-6022. The listing in the March 23rd *Environmental Notice* was incorrect.

OEQC intends to make the information in this bulletin accessible to everyone. Individuals that require this material in a different format (such as large type or braille), should contact our office for assistance.

Definitions

Your guide to the Environmental Review Process

Draft Environmental Assessment

A project or action that may affect the environment cannot be implemented until an Environmental Assessment (EA) is prepared in accordance with HRS §343. If the lead government agency anticipates that the project will have no significant environmental impact, then a Draft EA is written and public notice is published in this bulletin. The public has 30 days to comment on the Draft EA from the date of the first notice.

Final Environmental Assessment and FONSI (Negative Declaration)

If, after the lead agency reviews the public comments, it feels that the project will have no significant effect on the environment, then it will prepare a Final EA and issue a Finding of No Significant Impact (FONSI) formerly called a *Negative Declaration*. The Final EA must respond to all public comments. An Environmental Impact Statement will not be required and the project may now be implemented. The public has 30 days from the first notice of a FONSI in this Bulletin to sue in court to require the preparation of an EIS.

EIS Prep Notice

If the lead agency decides that a project may have a significant environmental impact, it must prepare an Environmental Impact Statement (EIS) prior to implementing the project. The first step in preparing an EIS is publishing an EIS Preparation Notice (Prep Notice) in this Bulletin. Agencies, groups or individuals have 30 days from the first publication of an EIS Prep Notice to request to become a consulted party and to make written comments regarding the environmental effects of the proposed action. The draft EIS must respond to these comments.

Draft EIS

If a project is likely to have a significant environmental impact, the lead agency or private applicant must prepare a

Draft Environmental Impact Statement (Draft EIS) prior to project implementation. This document must completely disclose the likely impacts of a project. Secondary and cumulative impacts must be discussed along with measures proposed to mitigate them. The public has 45 days from the first publication date in this Bulletin to comment on a Draft EIS.

Final EIS

After considering public comments filed during the Draft EIS stage, the agency or applicant must prepare a Final Environmental Impact Statement (Final EIS). The Final EIS must respond to all comments from the draft stage. If deeper analysis was required, it must be included in this document. If the project is from a private applicant, the lead agency is authorized to accept the FEIS. If the project is public, the Governor or Mayor is the accepting authority. Only after the EIS is accepted, may the project be implemented.

EIS Acceptance Notice

If the accepting authority accepts a Final Environmental Impact Statement, a separate EIS Acceptance Notice will be published in this Bulletin. The public has 60 days from the date of first notice of acceptance to sue in court to challenge the acceptance of an EIS.

NEPA

National Environmental Policy Act (NEPA) is the law that requires federal projects to prepare an EIS. It is similar to Hawaii's law. Some projects require both a state and federal EIS and the public comment procedure should be coordinated. Although not required by law, the OEQC publishes NEPA notices in this Bulletin to help keep the public informed of important actions.

Special Management Area Permits

The Special Management Area (SMA) is along the coastlines of all our islands. Most development in this area requires a Special Management Permit (SMP). The Counties regulate development

of this area. On Oahu, the County law requires an EA be prepared to accompany a permit application. This Bulletin posts notice of these SMP applications to encourage public input.

Shoreline Certifications

State law requires that Hawaii shorelines be surveyed and certified when necessary to clearly establish the regulatory building setback (usually 40 feet inland from the shoreline). The public may participate in the process to help assure accurate regulatory boundaries. Private land owners often petition to have their shoreline certified prior to construction. This Bulletin publishes notice of both shoreline certification applications and of final certifications or rejections.

Environmental Council

The Environmental Council is a fifteen-member citizen board appointed by the Governor to advise the State on environmental concerns. The council makes the rules that govern the Environmental Impact Statement process. The agendas of their regular meetings are published in this Bulletin and the public is invited to attend.

Exemption Lists

Government agencies must keep a list describing the minor activities they regularly perform that are declared exempt from the environmental review process. These lists are reviewed and approved by the Environmental Council. This Bulletin will publish an agency's draft exemption list for public comment prior to Council decision making.

Conservation District Permits

Use of land in the State Conservation District requires a Conservation District Use Application (CDUA). These applications are reviewed and approved by the Board of Land and Natural Resources (BLNR). Members of the public may intervene in the permit process. Notice of these permit applications is published in this Bulletin.

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Oahu Notices

APRIL 8, 1999

Draft Environmental Assessments



(1) Ashford Residence

District: Koolaupoko
TMK: 4-5-69:por. 1
Applicant: Joan B. & Clinton R. Ashford
P.O. Box 131
Honolulu, Hawaii 96810
Contact: Clinton Ashford (539-0411)

Approving Agency/Accepting Authority: Land Use Commission
P.O. Box 2359
Honolulu, Hawaii 96804-2359
Contact: Bert Saruwatari (587-3822)

Consultant: Helber Hastert & Fee, Planners
733 Bishop Street, Suite 2590
Honolulu, Hawaii 96813
Contact: Gail Renard (545-2055)

Public Comment

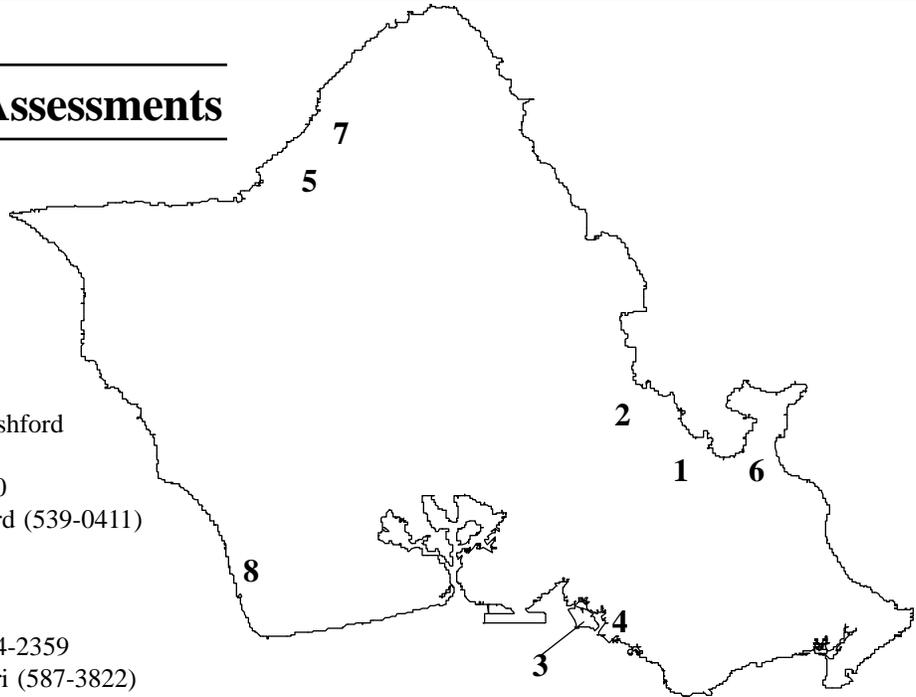
Deadline: May 10, 1999
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority, the consultant and OEQC.

Permits

Required: Zone change (P1 to R5)

The applicants are proposing reclassification of 0.215 acres of land (the "petition area"), located in Kaneohe, from the State Land Use Conservation District to the Urban District. The petition area is part of an 18,286-square foot legal lot owned by the applicants, consisting of about 8,936 square feet in the Urban District and 9,350 square feet in the Conservation District. The applicants constructed a single-family dwelling on the lot in 1965. The dwelling is situated partially within the petition area. Prior to construction, the applicants sought and received permission from the Department of Land and Natural Resources to put the petition area into residential use. The applicants have resided in the dwelling continuously since its construction.

The applicants desire to bring their residence into conformance with the State of Hawaii and City and County of Honolulu land use laws through the proposed reclassification and rezoning. The petition area is part of an established residential area, and is served by existing municipal utilities and roadways. The applicants plan no further development of



the property, and no improvements to existing utility and infrastructure systems are necessary. The property is located at 45-628 Halekou Place.



(2) Knake Single Family Residence

District: Koolaupoko
TMK: 4-7-45:21
Applicant: Richard & Elizabeth Knake (239-2410)
47-422 Lulani Street
Kaneohe, Hawaii 96744

Approving Agency/Accepting Authority: Department of Land and Natural Resources
1151 Punchbowl Street, Room 130
Honolulu, Hawaii 96813
Contact: Tom Eisen (587-0386)

Consultant: Carlo Priska AIA (531-8518)
1255 Nuuanu Ave. #1201
Honolulu, Hawaii 96817

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority and OEQC.

Permits

Required: Building, CDUA, grading

The applicant proposes to construct a single family residence (SFR) with a two car garage attached, site improvement work which includes a paved driveway and motor court, landscaping, grading, and connection to existing utilities.

The SFR would cover approximately 3,000 square feet of floor area and would be used for single family dwelling. It would have a living room, kitchen dining, den master and bath, nursery, 2 bathrooms, family game room, and a laundry in the garage.



(3) Sand Island WWTP Interim Chemical Treatment Facility

District: Honolulu
TMK: 1-5-41:por. 5
Applicant: City and County of Honolulu
Department of Design and Construction
650 South King Street
Honolulu, Hawaii 96813
Contact: Kumar Bhagavan (527-5158)

Approving Agency/Accepting

Authority: Same as above.

Consultant: R.M. Towill Corporation
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817
Contact: Chester Koga (842-1133)

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the consultant and OEQC.

Permits

Required: SMA

The City and County of Honolulu, Department of Design and Construction, plans to modify the Sand Island WWTP's Interim Chemical Treatment Facility (ICTF) to optimize treatment efficiencies and reduce operation and maintenance costs at the plant by retrofitting and upgrading existing equipment and constructing a polymer storage facility. The primary purpose of this project is to comply with the conditions of a consent decree entered on November 19, 1991. The consent decree required various actions and studies, and the formation of the Mamala Bay Study Commission (MBSC).

The existing Interim Chemical Treatment Facility (ICTF) was constructed in 1994 to enhance treatment

efficiencies and comply with the NPDES discharge permit. The City performed full-plant tests in 1994 and again in 1995. These tests were successful in increasing treatment efficiencies. However, after observing these tests and analyzing the test results, the MBSC concluded that modifications were required to fully optimize treatment and reduce cost. Construction cost of the modifications is estimated to be near \$600,000. The following modifications are designed to improve biochemical oxygen demand removal efficiency (above 30 percent) and reduce operations and maintenance costs:

- Improve chemical dilution to reduce chemical consumption,
- Improve chemical aging to reduce chemical consumption,
- Improve existing chemical feed diffusers to reduce chemical consumption, and
- Improve storage and handling of raw (neat) polymer to reduce labor man-hour.

A special management area permit will be sought for this project.

Final Environmental Assessments (FONSI)



(4) Chinatown Sidewalk Improvements, King Street between River and Bethel

District: Honolulu
TMK: 1-7-02, 1-7-03 and 2-1-02
Applicant: City and County of Honolulu
Department of Design and Construction
650 South King Street, 2nd Floor
Honolulu, Hawaii 96813
Contact: Dennis Toyama (523-4756)

Approving Agency/Accepting

Authority: Same as above.

Consultant: Kusao & Kurahashi, Inc.
1314 South King Street, Suite 1263
Honolulu, Hawaii 96814
Contact: Keith Kurahashi (538-6652)

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: Chinatown Special District and building permits

Oahu Notices

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Miscellaneous sidewalk improvements, in this section of Chinatown will include widening of the sidewalks, by 18 inches, on the mauka and makai side of North King Street between River Street and Bethel Street. This will be achieved by reducing existing lane widths on King Street, while maintaining four through lanes. In addition, the project will include provision of a storm drain system in King Street between Smith Street and Nuuanu Avenue; new street light standards designed for an appearance consistent with the earlier development period of most of the structures in Chinatown; new street name signs mounted on traffic signal standards at the intersections; new accessibility ramps at the intersections; relocation of certain water and utility lines; installation of street trees (Fiddlewood) at a spacing of about 20 feet on center; modification of awnings to accommodate the new street trees; and relocation to curbside of certain above ground appurtenances, such as fire hydrants, signs, light poles and street light standards.

The City and County of Honolulu has made a number of capital improvements in Chinatown in recent years, and this project is a continuation of the Chinatown improvements. It is the objective of the City and County of Honolulu to preserve and enhance the historic character of Chinatown and in doing so the proposed sidewalk improvements will enhance the appearance of the street scape and allow for greater pedestrian linkages within and connecting outside Chinatown.



(5) Haleiwa Well II Exploratory Well

District: Waialua
TMK: 6-2-10:01 (por.)
Applicant: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843
Contact: Barry Usagawa (527-5235)

Approving Agency/Accepting

Authority: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843
Contact: Clifford Jamile (527-6180)

Consultant: Wilson Okamoto and Associates, Inc.
1907 South Beretania Street, Suite 400
Honolulu, Hawaii 96826
Contact: Earl Matsukawa (946-2277)

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits: BWS approval, CWRM, well
Required: construction, pump installation

The City and County of Honolulu Board of Water Supply (BWS) proposes to drill, case and pump test a single exploratory water well, located in the Haleiwa area of Waialua on the North Shore of Oahu, one mile east of Haleiwa Town. The project site is located at an elevation of approximately 220 feet above mean sea level about 4600 feet east of Kamehameha Highway along Opaepala Road. The well site is situated on a .75-acre parcel, owned by Kamehameha Schools Bernice Pauahi Bishop Estate and currently under lease to Dole Food Company, Inc. The area will be cleared to accommodate the well drilling, support equipment and necessary supplies. Once the area has been cleared, a single test well will be bored to an estimated depth of 350 feet. Test pumping will be conducted to determine the quality and quantity of water that can be produced. The proposed well is anticipated to yield about 1.5 million gallons of potable water per day.



(6) Kailua Sewer Rehabilitation Project Along Kainehe Street, Hamakua Drive and Keolu Drive

District: Koolaupoko
TMK: 4-2-01, 03, 16, 82, 89, 90, 95; 4-3-57
Applicant: City and County of Honolulu
Department of Design and Construction
650 South King Street
Honolulu, Hawaii 96813
Contact: Sung Ho Lai (527-5398)

Approving Agency/Accepting

Authority: Same as above.
Consultant: Akinaka & Associates, Ltd.
250 North Beretania Street, Suite 300
Honolulu, Hawaii 96817-4716
Contact: Henry Morita (536-7721)

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits: NDPES, stream channel alteration, Army,
Required: CZM consistency determination, Sec. 401 water quality certification

APRIL 8, 1999

The City and County of Honolulu, Department of Design and Construction proposes to replace approximately 8,000 lineal feet of 18-inch to 27-inch reinforced concrete pipe of the Kailua wastewater collection system. The proposed improvements are needed to replace existing pipe sections with structural deficiencies caused by corrosion, deterioration and soil settlement over the years. In addition, the proposed improvements will increase the capacity of the sewer system which is currently inadequate to accommodate design peak flows.

The proposed project is expected to generate short term impacts that are typical of construction activities including traffic congestion, construction noise, and dust emissions. These temporary impacts will be mitigated through compliance of applicable regulations and standards, and by the application of current techniques and methods. Trenchless technology methods are being promoted to reduce these temporary construction impacts.

Since the existing pipelines are deteriorated and structurally deficient, the proposed improvements would help to minimize the reoccurrence of wastewater pipe failures which can typically result in unpleasant wastewater back-ups, spills, roadway damages and traffic congestion. In the long term, the new pipe line section would be less prone to leaks, breaks or failures.



(7) Thomson Corner Exploratory Well

District: Waialua
TMK: 6-5-01:02 (por.)
Applicant: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843
Contact: Barry Usagawa (527-5235)

Approving Agency/Accepting Authority: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843
Contact: Clifford Jamile (527-6180)

Consultant: Wilson Okamoto and Associates, Inc.
1907 South Beretania Street, Suite 400
Honolulu, Hawaii 96826
Contact: Earl Matsukawa (946-2277)

Public Challenge

Deadline: May 10, 1999

Status: FEA/FONSI issued, project may proceed.
Permits Required: CWRM, well construction, pump installation, BWS approval

The City and County of Honolulu Board of Water Supply (BWS) proposes to drill, case and pump test a single exploratory water well, located in the Kaheeka, Kemoo area of Waialua on the North Shore of Oahu. The project site is located at an elevation of approximately 220 feet above mean sea level about 3300 feet east of Kaukohahua Road along Helemano Road. The well site is situated on a .75-acre parcel, owned by Dole Food Company, Inc. that will be cleared to accommodate the well drilling, support equipment and necessary supplies. Once the area has been cleared, a single test well will be bored to an estimated depth of 350 feet. Test pumping will be conducted to determine the quality and quantity of water that can be produced. The proposed well is anticipated to yield about 1.5 million gallons of potable water per day.

National Environmental Policy Act (NEPA)



(8) Barbers Point Fleet Test Support Facility (FONSI)

District: Ewa
TMK: 9-1-26-2; other areas: 8-7-6-26; 8-7-8-74; 8-9-6-88
Applicant: Naval Undersea Warfare Center Division
Keyport
610 Dowell Street
Keyport, WA 98345-7610
Contact: Gary Kasaoka (471-9338)

Approving Agency/Accepting Authority: U.S. Navy
Chief of Naval Operations (N456)
2211 South Clark Pl, Crystal Plaza #5, Rm. 680
Arlington, VA 22244-5108
Contact: Gloria Kupstas (703-602-3025)

Consultant: Helber Hastert & Fee
733 Bishop Street, Suite 2590
Honolulu, Hawaii 96813
Contact: Leslie Kurisaki (545-2055)

Oahu Notices

APRIL 8, 1999

The Department of the Navy announces that an Environmental Assessment (EA) has been prepared and an Environmental Impact Statement is not required for the proposed construction and operation of a Fleet Test Support Facility (FTSF) within a five-acre U.S. Coast Guard reservation at Barbers Point, Oahu, Hawaii.

The proposed action will construct a two-story, 2,800-sq ft building and three new whip antenna-mounting pads; erect an adjacent 125-ft antenna tower; install utilities; and pave a parking area at the site. The FTSF will be built adjacent to an existing Shipboard Electronics Systems Evaluation Facility (SESEF), and the entire complex, including the existing SESEF, will be located behind a security fence. The project includes removal of three tracking towers along Farrington Highway between Nanakuli Beach Park and Puuohulu Beach Park. At Barbers Point, a 4-ft chain link fence and an irrigation line will be installed at a 1-acre management area for an existing population of *Achyranthes splendens* var. *rotundata*, an endangered plant species found in the northern sector of the Coast Guard reservation.

The new facility is needed to support the rapid growth in the Naval Undersea Warfare Center's testing mission and to consolidate equipment and personnel for more efficient and effective fleet test operations. It will consolidate operations that are currently conducted at the SESEF and at several smaller, existing facilities along the Nanakuli coast of Oahu, Hawaii, two of which will be subsequently deactivated.

In accordance with Executive Order 11988, Floodplain Management, alternative sites were considered for the project, which is proposed to be built in a 100-year floodplain and tsunami inundation area. The facility will be located approximately 180 ft from the shoreline, meeting the City and County of Honolulu's shoreline setback requirement. Due to operational requirements, the Navy has determined that it cannot avoid constructing the FTSF at the proposed site. The structure will be elevated and built above the 100-year flood level to mitigate against potential impacts of flooding.

Based on information gathered during preparation of the EA, the Department of the Navy finds that the proposed construction and operation of the FTSF at Barbers Point, Oahu, Hawaii will not significantly impact the environment.

Single copies of the EA and Finding of No Significant Impact (FONSI) addressing this action may be obtained from: Commander, Pacific Division, Naval Facilities Engineering Command, 258 Makalapa Drive, Suite 100, Pearl Harbor, Hawaii 96860-3134 (Attention: Mr. Gary Kasaoka, Code 231GK); telephone (808) 471-9338; fax (808) 474-5909; or via the Internet at: kasaokags@efdpac.navy.mil.

Federal Notice (Executive Order)



Naval Air Station Barbers Point Beach Cottage Property Fencing

District: Ewa
TMK: Portions of 9-1-13:1
Applicant: Department of the Navy, Pacific Division
Naval Facilities Engineering Command
258 Makalapa Drive, Suite 100
Pearl Harbor Hawaii 96860-3134
Contact: Mr. Mel L. Ramos (471-9338)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: April 22, 1999

This is a Statement of Findings and Public Explanation in compliance with Executive Order 11988, Floodplain Management for the construction of boundary fencing in a coastal floodplain area within Navy property at White Plains and Nimitz beaches at NASBP. The fencing will provide privacy and delineate the boundaries of the retained Navy properties following base closure in July 1999. The beach cottages are located within the coastal floodplain hazard area (Zone A, no base flood elevations determined and Zone AE, 7 foot base flood elevation) as determined from the Flood Insurance Rate Map issued by the Federal Emergency Management Agency.

After careful evaluation and consideration of public comments resulting from the project's first announcement in OEQC's March 8, 1999 The Environmental Notice, and a March 23, 1999 letter to Makakilo-Kapolei-Hanakai Hale Neighborhood Board, Navy has determined that there are no other practicable alternatives to siting the project in the floodplain.

Best management practices will be implemented to avoid harm to or within the floodplain. No adverse impacts are anticipated to floral and faunal resources and marine life. The beach and shoreline will be readily accessible during daylight hours. The shoreline boundary will not be fenced and views along the beach and toward the ocean will not be adversely impacted. Traffic patterns or parking availability will not be negatively impacted.

Address comments or request for a detailed copy of this decision to: Commander, Pacific Division, Naval Facilities Engineering Command, 258 Makalapa Drive, Suite 100, Pearl Harbor, HI 96860-3134 (Attn: Mr. Mel Ramos, Code 231MR), telephone 471-9338 or facsimile 474-5909, by April 22, 1999.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

🦋 AT&T Japan-U.S. Fiber Optic Cable Network at Makaha Beach

Applicant: AT&T Corporation
340 Mt. Kemble Avenue
Morristown, New Jersey 07960
Contact: Wade Higa (808-696-4732)

Approving Agency/Accepting

Authority: City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawaii 96813
Contact: Steve Tagawa (523-4817)

Public Comment

Deadline: April 22, 1999

🦋 Waimalu Tract Reconstructed Sewer Project

Applicant: City and County of Honolulu
Department of Design & Construction
650 South King Street, 14th Floor
Honolulu, Hawaii 96813
Contact: Carl Arakaki (523-4671)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: April 22, 1999

Draft Environmental Impact Statements

🦋 Koko Head Regional Park & Nature Preserve

Applicant: City and County of Honolulu
Department of Design and Construction
650 South King Street, 9th Floor
Honolulu, Hawaii 96813
Contact: Jim Nakasone (527-6306)

Approving Agency/Accepting

Authority: Mayor, City and County of Honolulu
c/o Department of Planning & Permitting
650 South King Street, 7th floor
Honolulu, Hawaii 96813
Contact: Eugene Takahashi (527-6022)

Public Comment

Deadline: May 7, 1999



Maui Notices

APRIL 8, 1999

Draft Environmental Assessments



(1) Kahului Harbor Pier 1C Extension

District: Wailuku
TMK: 3-7-01:22
Applicant: Department of Transportation
Harbors Division
79 South Nimitz Highway, 2nd Floor
Honolulu, Hawaii 96813-4898
Contact: Carter Luke (587-1959)

Approving Agency/Accepting

Authority: Same as above.
Consultant: Akinaka & Associates, Ltd.
250 North Beretania Street, Suite 300
Honolulu, Hawaii 96813
Contact: Michael Miyahira (536-7721)

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the consultant and OEQC.

Permits Required: Army, CZM Consistency Determination, Noise, NPDES, Sec. 401 WQC, Solid Waste Disposal

The State of Hawaii, Department of Transportation-Harbors Division proposes to extend the existing 200-foot wide active area of Pier 1C by approximately 300 linear feet in Kahului Harbor, Maui. The project will also include provisions for new fendering and mooring bollards; an extension of water, molasses, telephone, and electrical services; the installation of floodlighting; and the construction of a drainage system. The primary purpose of the project is to increase the container storage yard area and to provide additional berthing sites for the larger overseas vessels and barges at Kahului Harbor.

The proposed project is expected to generate short term impacts that are typical of construction activities including traffic congestion, construction noise, and dust emissions. Dredging activities are also expected to temporarily affect the water quality around the project site. However, these short-term impacts will be mitigated through the implementation of



Best Management Practices and through the compliance of applicable regulations and standards. In the long term, the proposed pier extension will help to meet the projected demands of Maui's increasing population and growing economy.



(2) Pu'u Kukui Watershed Management Area

District: Lahaina
TMK: 4-1-1-17, 4-2-1-1 (por.), 4-1-4-23 (por.), 4-1-5-10, 4-1-5-13, 4-1-5-16, 4-1-5-17, 4-3-1-1 (por.), 4-3-1-17 (por.)
Applicant: Maui Pineapple Company, Ltd.
4900 Honoapiilani Highway
Lahaina, Hawaii 96761
Contact: Randy Bartlett (669-5439)

Approving Agency/Accepting

Authority: Department of Land and Natural Resources
Division of Forestry and Wildlife
1151 Punchbowl Street Room 325
Honolulu, HI 96813
Contact: Betsy Gagné (587-0063)

Public Comment

Deadline: May 10, 1999

Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority and OEQC.

The Division of Forestry and Wildlife is proposing to re-authorize the Pu'u Kukui Watershed Management Area (PKWMA) as a participant in the Natural Area Partnership Program (NAPP). At 8,661 acres, it is one of the largest privately-owned nature preserves in the state. The area is a vital watershed for West Maui, supplying residential and commercial users. Protection of the native forests is important for the above reasons and for many unique plants and animals. The preserve borders two sections of West Maui Natural Area Reserve (Kahakuloa and Honokowai), with another NAP preserve, Kapunakea, and another section of West Maui NAR (Panaewa) located adjacent to these areas, protecting over 20,000 acres of the best forested lands on West Maui.

For the past six years, the preserve has been a participant in the Natural Area Partnership Program, a state program that provides 2:1 matching funds for natural area protection efforts on private lands of Natural Area Reserve quality. This Draft EA is a part of the re-authorization process. Pu'u Kukui has some of the finest high elevation rain forests and montane bogs in the state. New species of plants and invertebrates are still being discovered.

Active management programs are reducing threats to the area's native species. Threats include non-native pigs, weeds and fire. Reducing these serious threats also maintains the watershed cover vital to West Maui's needs. Other positive impacts of the proposed project include: tracking of biological and physical processes in the preserve, decreased erosion, improved water quality within and below the preserve, and public outreach to let the community know about Hawaii's natural heritage.



(3) Waiehu Kou Off-Site Water System Improvements

District: Wailuku
TMK: 3-3-2:por. 1, por. 28
Applicant: Maui School Development Partnership
1997 E. Main Street
Wailuku, Hawaii 96793
Contact: Everett Dowling (244-1500)

Approving Agency/Accepting

Authority: County of Maui
Department of Water Supply
200 South High Street
Wailuku, Hawaii 96793
Contact: David Craddick (243-7816)

Consultant: Munekiyo, Arakawa & Hiraga, Inc.
305 High Street, Suite 104
Wailuku, Hawaii 96793
Contact: Milton Arakawa (244-2015)

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority, the consultant and OEQC.

Permits

Required: Building

Maui School Development Partnership proposes to construct a 500,000 gallon water tank in Waiehu, Maui, Hawaii. The site is located approximately 3,000 feet to the north of Puuohala Village within macadamia nut fields (TMK 3-3-2:por. 1, por. 28). The proposed water tank is adjacent to an existing Department of Water Supply 300,000 gallon Waiehu Heights water tank and wells.

Also included within the scope of the project are waterlines and valve connections to the existing tank and waterlines, as well as fencing around the new tank site.

The State of Hawaii, Department of Hawaiian Home Lands and the County of Maui, Department of Water Supply will be participating as funding parties in the project. Because State and County funding will be used for the project, an Environmental Assessment (EA) will be prepared pursuant to Chapter 343, Hawaii Revised Statutes.

The existing Waiehu Heights water tank and wells are located on a 1.331 acre parcel (TMK 3-3-2:28). A portion of the proposed water tank is located on TMK 3-3-2:28. Additional land area of approximately 28,080 square feet from TMK 3-3-2:1 is required for the project. The area is intended to be consolidated with TMK 3-3-2:28. The bottom and highwater level of the new tank will be the same as the existing tank, at 347 feet and 362 feet above mean sea level.

The proposed improvements are intended to provide additional storage capacity for the region, in particular for Phases II and III of the Waiehu Kou Subdivision located near the town of Waihee.

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(4) Front Street New Commercial Building

District: Lahaina
TMK: 4-5-01:11
Applicant: Pacific Warehouse
3536 Harding Avenue, Suite 500
Honolulu, Hawaii 96816
Contact: Lloyd Sueda (949-6644)

Approving Agency/Accepting

Authority: County of Maui, Planning Department
200 South High Street
Wailuku, Hawaii 96793
Contact: Ann Cua (243-7735)

Consultant: Sueda & Associates, Inc.
905 Makahiki Way, Mauka Suite
Honolulu, Hawaii 96826
Contact: Lloyd Sueda (949-6644)

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: SMA, building

The proposed project at 816 Front Street in Lahaina is a new ±22'-0" wide, 2250 sq. ft. building addition between two existing buildings (on the same zoning lot). The front elevation will differ in character from the two existing buildings. This will give the building and Front Street a much more interesting architectural character. The architectural treatment will still be in keeping with the design guideline of the Lahaina Special Design District.



(5) Uaoa Stream Bridge Replacement

District: Hana
TMK: 2-8-4:55, 56, 59, 60



Applicant: Department of Transportation
Highways Division
601 Kamokila Boulevard, Room 688
Kapolei, Hawaii 96707
Contact: Larry Leopardi (692-7559)

Approving Agency/Accepting

Authority: Same as above.

Consultant: Nishimura, Katayama, Oki & Santo, Inc.
826 Kaheka Street, Suite 302
Honolulu, Hawaii 96814
Contact: Paul Santo (947-2808)

Public Challenge

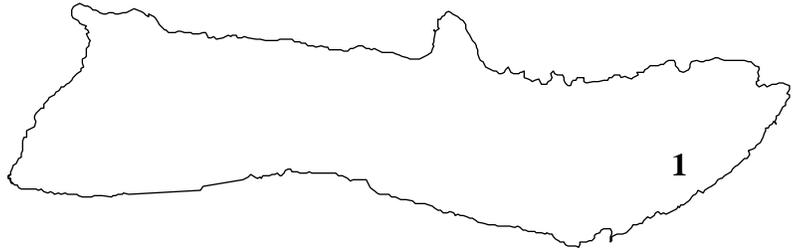
Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: Army (Sec. 404); DOH (Sec. 401); CZM; SCAP

The State Department of Transportation in cooperation with the Federal Highway Administration proposes to replace the existing 250-foot multi-span wooden bridge over Uaoa Stream and gulch on Hana Highway in Makawao, Maui with a new three-span concrete bridge approximately 310 feet between abutments. The new bridge will replace an old deteriorating bridge that does not meet current design standards.

The proposed bridge will be wide enough to accommodate two 12-foot travel lanes and two 10-foot shoulders. The replacement bridge will be located on the South (upstream side) of the existing bridge. Approximately 600 feet of approach roadways on each side of the proposed bridge abutments will be affected by this project. Land for the additional right-of-way will need to be acquired. The existing bridge will be demolished after the replacement bridge and approach roadways are constructed.

While the replacement bridge and approach roadways are being constructed, the existing road and bridge will be used with some modifications until switch-over to the new roadway alignment. Construction of footings for the new concrete piers will require some work to be conducted within or adjacent to the present stream bed. Mitigation measures to maintain current drainage patterns and water quality will be provided in accordance with current regulations.

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(1) Pu'u O Hoku Ranch Single Family Residence

District: Molokai
TMK: 5-8-15: por. of 3 & 5-8-08:2
Applicant: Puu O Hoku Ranch, Ltd.
HC-01 Box 900
Kaunakakai, Molokai 96748
Contact: Jack Spruance (558-8109)

Approving Agency/Accepting Authority: Department of Land and Natural Resources
1151 Punchbowl Street
Honolulu, Hawaii 96813
Contact: Tom Eisen (587-0439)

Consultant: Chris Hart & Partners
1955 Main Street, Suite 200
Wailuku, Hawaii 96793
Contact: Rory Frampton (242-1955)

Public Challenge
Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: CDUP, approval for Individual Wastewater System and development in Flood Hazard Districts, shoreline setback

The proposed action involves the construction of a single family residence in the State Conservation District, "L" Limited Subzone, at Pohakupili Bay, island of Molokai. The project site, which is vacant and undeveloped, encompasses an area of approximately 0.5 acre and is within the "V" zone or area of potential tsunami inundation. The project site consists of two (2) separate parcels within the 14,000-acre Puu O Hoku Ranch. The subject parcels do not contain other residential dwellings.

The proposed single family residence will consist of three (3) separate structures with a total floor area of approximately 2,000 square feet, as follows: (a) a two-story dwelling of wood frame construction with a floor area of approximately 1,568 sq. ft. and building height of 25 feet; (b) a gazebo and

storage structure of approximately 352 sq. ft.; and (c) a bath house structure of approximately 80 sq. ft.

The proposed structures will be sited on relatively level terraced sections of the site to minimize grading work. All structures will be setback a minimum of 150 feet from the shoreline. Trees, shrubs and groundcover within the shoreline setback area will be retained as a visual buffer and to maintain the existing natural character of the area. Also given the remote location, sloped topography, and existing vegetative cover, the visual impact of the proposed structures along Highway 45, the main public road, will be minimal. The finish floor of proposed habitable structures will be set above the estimated tsunami inundation level of 28 feet. The proposed project will not adversely impact any known significant historic, archaeological or cultural sites nor any rare, endangered or threatened species of flora or wildlife or associated critical habitat areas.

Based on historic research and field investigations, habitation structures and a school previously existed in the vicinity of the project site at Pohakupili Bay. The proposed single family residence therefore relates to historic uses of the area. The size of the proposed residence (2,000 sq. ft.) is substantially less than the 5,000 sq. ft. area allowed for a single family residence in the Conservation District. The proposed structures will be of wood-frame and rock construction and will reflect the simple design character of a beach house.

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(1) Brand Single Family Residence

District: North Kona
TMK: 7-9-05:13
Applicant: Gary Brand c/o Gregory Mooers
P.O. Box 1101
Kamuela, Hawaii 96743
Contact: Greg Mooers (885-6839)

Approving Agency/Accepting

Authority: Department of Land and Natural Resources
1151 Punchbowl Street, Room 220
Honolulu, Hawaii 96813
Contact: Lauren Tanaka (587-0385)

Consultant: Greg Mooers (885-6839)
P.O. Box 1101
Kamuela, Hawaii 96743

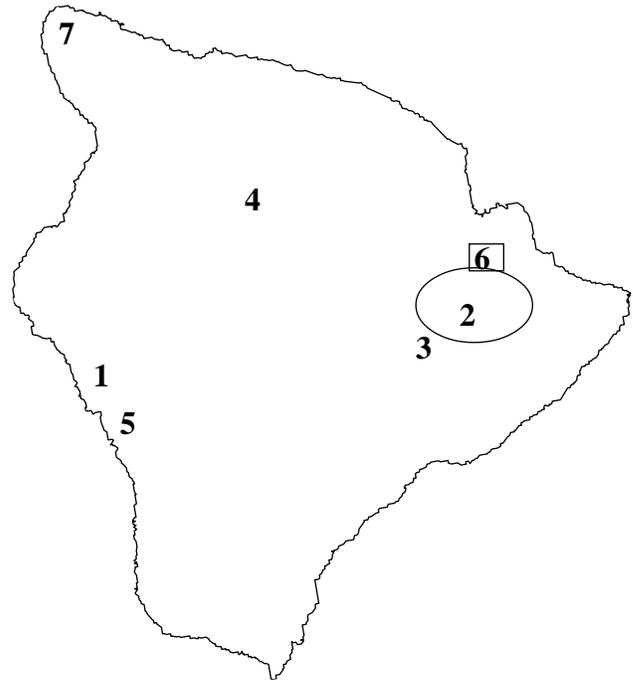
Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority, the consultant and OEQC.

Permits

Required: CDUP, SMA

The project consists of construction of a single family home on a kuleana of 26,185 sf. on the shoreline 1.25 miles south of Keauhou Bay in the Conservation District. The two-story house would consist of seven rooms occupying approximately 3,500 sf, with associated improvements including an Individual Wastewater System, a swimming pool/deck and landscaping. The design would blend in with the surroundings through use of natural rock walls and earth-tones on other surfaces. Access is via the existing Keauhou-Kainaliu jeep road. Electric/phone lines would be brought to the house via a route that extends directly uphill to existing lines. The house would be set back approximately 55 feet from the shoreline. Mitigation measures include Best Management Practices during construction.



(2) 'Ola'a-Kilauea Management Area Natural Resources Management Plan

District: Puna, South Hilo
TMK: Various
Applicant: The 'Ola'a-Kilauea Management Group
P.O. Box 52
Hawaii National Park, Hawaii 96718
Contact: Tanya Rubenstein (985-6197)

Approving Agency/Accepting

Authority: Department of Land and Natural Resources
1151 Punchbowl Street
Honolulu, Hawaii 96813

Public Comment

Deadline: May 10, 1999
Status: Supplemental DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority and OEQC.

Permits

Required: CDUP

This document is a supplement to the Draft Environmental Assessment (EA) for the 'Ola'a - Kilauea Management Area Natural Resources Management Plan (published in the OEQC Bulletin November 23, 1998). This supplemental

draft EA addresses a new component of the North and South Boundary Management Unit fencing project. The Ola'a - Kilauea Management Group is proposing the construction of a single-lane access road adjacent to the boundary fence within Kulani Correctional Facility (KCF). This road was added to the Management Plan to improve public safety and security as well as increase the ease of fence construction, fence maintenance and feral pig removal.

Please refer to the Draft EA for the 'Ola'a - Kilauea Management Area Natural Resources Management Plan for a summary description of the affected environment, socio-economic impacts of the project, proposed mitigation measures and details of other proposed resource management actions.



(3) Waiakea Timber Management Area Commercial Harvesting & Reforestation

District: South Hilo
TMK: 1-8-12-3; 2-4-8-1; 2-4-8-10; 2-4-8-22
Applicant: Department of Land and Natural Resources
Division of Forestry and Wildlife
P.O. Box 4849
Hilo, Hawaii 96720
Contact: Jon Giffin (974-4221)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: May 10, 1999

Status: DEA First Notice pending public comment.
Address comments to the applicant with a copy to OEQC.

Permits

Required: CDUP

The Division of Forestry and Wildlife of the State of Hawaii, Department of Land and Natural Resources proposes to harvest timber and non-timber forest products from the Waiakea Timber Management Area, and to subsequently reforest the harvested areas. Project title is "Commercial Harvesting of Forest Products and Subsequent Reforestation of the Waiakea Timber Management Area."

The anticipated determination is a Finding of No Significant Impact. Project location is the Waiakea Timber Management Area (portions of the Waiakea, Upper Waiakea, and Olaa Forest Reserves), approximately five miles southwest of Hilo, Hawaii. All Forest Reserve lands are zoned Conservation District, subzoned Resource.

The State's goal is to assist in the creation of a sustainable forest industry that enhances the productivity and health of Hawaii's forests, restores and protects the forest environment, creates value and jobs through local processing from each tree harvested, and strengthen forest communities. With the downsizing of the sugar industry, Hawaii has a unique window of opportunity to create commercial forests that are environmentally sustainable and economically profitable for the potential investor, small and large landowners, and the people of Hawaii.

The Division will require that all forest management activities comply with the measures listed in the State's Best Management Practices for Maintaining Water Quality in Hawaii for activities such as pre-harvest planning, road improvement and maintenance, timber harvesting, site preparation and regeneration, fire management, and use of fuels and chemicals. Implementation of the BMP insures that environmental safeguards are utilized, such as effective soil erosion control practices, safe use and storage of chemicals, and visual buffers along major transportation corridors.

Within the WTMA, native forest stands will be accessible for traditional gathering of forest resources, research, hunting, and recreation. Commercial timber management activities will not be conducted in those areas containing 60 percent or more native forest cover.

The reforestation project was initiated about 35 years ago for the purpose of producing high quality hardwood timber species. Now that there are merchantable trees that can be harvested and made into high value wood products, this forest should be managed for timber resources as well as for all the other forest resources and uses that can provide public use, benefits, and enjoyment (e.g., research, education, recreation, and economic development).



(4) Waimea-Kohala Airport Master Plan

District: South Kohala
TMK: 6-7-01:8, 9, 12, 17, 18, 23 & 25
Applicant: Department of Transportation
Airports Division
400 Rodgers Boulevard, Suite 700
Honolulu, Hawaii 96819
Contact: Jerry Matsuda (838-8000)

Approving Agency/Accepting

Authority: Same as above.

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Consultant: Edward K. Noda & Associates, Inc.
615 Piikoi Street, Suite 300
Honolulu, Hawaii 96814
Contact: Brian Ishii (591-8553 x 203)

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the consultant and OEQC.

Permits

Required: Building, grading

The proposed action, described in the *Waimea-Kohala Airport Master Plan* considered: forecast aviation demand; facility requirements to meet forecast aviation demand and Federal Aviation Administration requirements; and alternative development concepts to satisfy the projected facility requirements. Improvements are planned to the Airfield, Terminal Area and Terminal Building to respond to: the need to implement safety measures in response to FAA directives; to provide for operational efficiency; and to meet existing and forecast demand. The Master Plan for Airport improvements are presented.

The Master Plan envisions improvements to be constructed in three phases: Phase I from present through year 2004; Phase II from 2005 through 2009, and Phase III from 2010 through 2020. Implementation of the proposed improvements in phases will allow HDOT-AIR to upgrade Airport facilities in response to future events and forecast Airport usage. In addition, the implementation schedule is dependent on the availability of funds, safety requirements and aviation demand. The following describes the proposed airfield, terminal area, and terminal building improvements.

Airfield Improvements: Acquire land from Parker Ranch; acquire avigation easements; redesignate the State Land Use classification of airport lands from "Agriculture" to "Urban"; extend runway safety areas beyond runway ends; construct blast pads; remove on-airport obstructions; mark/underground overhead utility lines; install Automated Weather Observing System; re-initiate non-precision instrument approach; install Runway End Indicator Lights on Runway 4; install lighted Distance-To-Go markers along runway; install taxiway lights; construct perimeter road; construct a partial parallel taxiway; repave runway; and add taxi lanes to new fixed-wing hangars and lease lots.

Terminal Area and Building Improvements: Reconfigure terminal building; reduce aircraft parking apron fronting passenger gates; add transient aircraft apron; add tenant automobile parking; exterior and interior landscaping; extend Airport access roadway; add aircraft tiedowns;

add fixed-wing lease lots; add helicopter lease lots; provide fixed Base Operator (FBO) lease lot; provide stub taxiway to future airpark; extend County of Hawaii water line and upgrade on-airport water system; develop septic tank and leach field; and upgrade telephone and electrical service.

The development of the lease lots would be by the tenants in conformance with applicable HDOT-AIR, State and County codes and standards, including accessibility requirements.



(5) Waipunaula 1.0 MG Reservoir and Transmission Waterline

District: South Kona
TMK: 8-2-01:93
Applicant: County of Hawaii
Department of Water Supply
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Glen Ahuna (961-8660)

Approving Agency/Accepting

Authority: Same as above.
Consultant: Inaba Engineering, Inc.
273 Waiuanue Avenue
Hilo, Hawaii 96720
Contact: Jason Inaba (961-3727)

Public Comment

Deadline: May 10, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the consultant and OEQC.

Permits

Required: NPDES, hydrotesting

The County of Hawaii Department of Water Supply is planning to replace an existing 250,000 gallon steel water tank with a new 1.0 million gallon standard DWS concrete reservoir at its Waipunaula, South Kona tank site. They also plan to install a new 8" transmission pipeline along Koa Road.

The new 8" waterline will start at Mamalahoa Highway, run through an easement and then along the existing private Koa Road approximately 1,400 lineal feet to the tank site. The new waterline will run parallel to the existing waterline. Currently, the existing 8" water line serves as both the inflow and outflow for the tank. The additional line will enhance the efficiency of the system by providing separate inflow to and

outflow from the reservoir. The existing steel tank has been in service for over 35 years is subject to corrosion and leakage. The surface of the steel tank will be tested for presence of lead based paint. Once construction of the new concrete tank is completed, the existing steel tank will be removed and properly disposed of. By current DWS standards, new replacement steel tanks are no longer allowed and installing the new reinforced concrete water tank will bring the facility up to current DWS standards. The existing tank site will be expanded to accommodate the larger tank by acquiring land from two adjacent parcels.

Benefits gained from this project will be more storage, higher efficiency and less maintenance to the South Kona water system. No adverse long term environmental impacts are anticipated since the improvements will be installed along previously developed and disturbed areas.

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(6) Pu'u Maka'ala Natural Area Reserve Fence Construction

District: Puna
TMK: 1-8-12-3
Applicant: Department of Land and Natural Resources
Division of Forestry and Wildlife
P.O. Box 4849
Hilo, Hawaii 'i 96720
Contact: William Stormont (974-4221)

Approving Agency/Accepting Authority: Same as above.

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: CDUA

The Division of Forestry and Wildlife (DOFAW), Natural Area Reserves program proposes constructing a 16,700 foot fenceline within the above parcel as part of ongoing efforts to protect native forest ecosystems, and rare, threatened, and/or endangered flora and fauna found within these ecosystems, from the effects of feral pigs (*Sus scrofa*).

The project involves erecting a fence using galvanized steel posts, thirty-nine inch hog wire, and one strand of barbed wire along the bottom. These fences will run both along existing four-wheel drive roads and through a portion of undisturbed forest, creating a 290 acre fenced area. The fence corridor will be cleared by hand using small hand and power tools. The ultimate goal of the project is to completely exclude feral pigs from within the fenced area for ecosystem protection purposes. The project proposed is within the Pu'u Maka'ala Natural Area Reserve (NAR) on the eastern slope of Mauna Loa. Adjacent lands include 'Ola'a Tract of Hawai'i Volcanoes National Park, Kulani Correctional Facility, and state forest reserve lands. The 12,106-acre Pu'u Maka'ala NAR was designated in 1981 to protect high quality 'ohi'a-tree fern and 'ohi'a-koa forests, and a large number of rare species, and provide an important ecosystem link between the lower elevation forests within Ola'a Tract and higher elevation forests in Kulani and Upper Waiakea.



(7) Upolu Airport Master Plan

District: North Kohala
TMK: 5-5-06:7, 31, por. 3 and 9; 5-5-07:por. 2
Applicant: Dept. of Transportation, Airports Division
400 Rodgers Boulevard, Suite 700
Honolulu, Hawaii 96819
Contact: Jerry Matsuda (838-8600)

Approving Agency/Accepting Authority: Same as above.

Consultant: Belt Collins Hawaii
680 Ala Moana Boulevard, Suite 100
Honolulu, Hawaii 96813
Contact: Lee Sichter (521-5361)

Public Challenge

Deadline: May 10, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: SMA, building, CDUA

The EA assesses the potential impacts of airport improvements recommended by the 1998 Upolu Airport Master Plan for implementation through the year 2020 planning period as demand warrants and as financing becomes available. However, for the purposes of the EA, it is assumed the following improvements will be implemented within the next five years.

Land Acquisition: Approximately 14.3 acres of property abutting the east end of the Airport to provide the Airport with full control over the Runway Protection Zone (RPZ);

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approximately 3 acres of property abutting the south side of the Airport to reserve space for a new passenger terminal building, if needed (no construction is proposed at this time); possible acquisition of additional right-of-way along the Airport access road (State Highway 271).

New Construction: 25-foot wide paved taxiway parallel to the existing runway with appurtenant facilities including paved entry/exit taxiways and lighting; 1,000 square-foot maintenance building; two T-hangars; addition of a new lane to Airport Access Road (State Highway 271); 750-gallon wastewater collection system for each of the new buildings; extension of potable water lines to service the new buildings; a 30,000 gallon water tank for fire fighting; possible grading of a small area of ground within the eastern RPZ because its elevation presently penetrates the runway approach surface.

Proposed Relocation of Existing Facilities: Rrelocation of the existing segmented circle, wind cone, and portions of the perimeter fence; closure and/or relocation of existing jeep trails crossing the east and west ends of the Airport property; reorientation of two aircraft tiedowns.

Proposed New Equipment: A new emergency electrical generator and upgrading of electrical panels; new markings for the existing runway, new taxiway, and new parking apron.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

► Keaau-Pahoia 12-Inch Waterline Installation

Applicant: County of Hawaii
Department of Water Supply
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Bruce McClure (961-8660)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: April 22, 1999

► Keck Observatory - Outrigger Telescope Project on Mauna Kea

Applicant: University of Hawaii
Institute for Astronomy
2680 Woodlawn Drive,
Honolulu, HI 96822
Contact: Dr. Robert McLaren (956-8566)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: April 22, 1999

► Waiakea Peninsula Improvements

Applicant: County of Hawaii
Department of Parks & Recreation
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Glenn Miyao (961-8311)

Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: April 22, 1999



Proposed Issuance of a Lease/ License to Harvest Cook Pine, etc. from and to Re-Plant Cook Pine on County-owned Lands

The County of Hawaii, through its Director of Finance, subject to authorization by the Council of the County of Hawaii, pursuant to the applicable sections of Chapter 2, Article 19, Real Property Disposition, Hawaii County Code, is proposing to issue a lease or a license for the harvest of Cook Pine (*Araucaria columnaris*) and various *Eucalyptus* species (*Eucalyptus* Spp.) from a 40.0 acre portion of Tax Map Key: 3rd/4-8-03:05 situate at Waikoekoe, Hamakua, Hawaii. The lease or license will require that the lessee/licensee, among other things, replant the premises with Cook Pine seedlings for each tree harvested regardless of tree species harvested. Further, the harvesting of Koa (*Acacia Koa*) and other native tree species is prohibited under this license.

The proposed use is viewed as a continuing agricultural use and, thus, is not subject to further Chapter 343, HRS review. However, because of the strong community interest in the disposition of the former Hamakua Sugar Company, Inc. lands now owned by the County of Hawaii, a document has been prepared for informational purposes.

Final Environmental Impact Statements

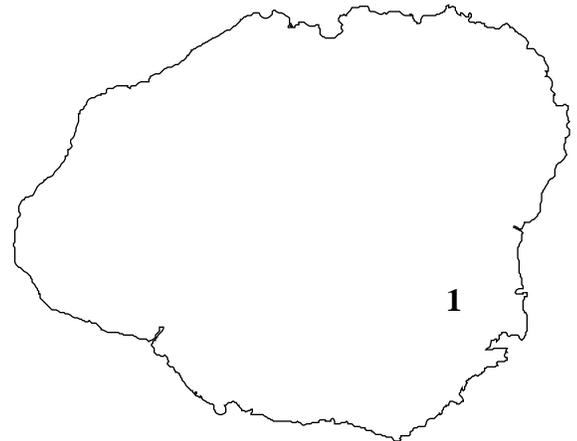


(1) Lihue Energy Service Center

District: Lihue
TMK: 3-8-05: portion of 3 (Puhi Site); 3-8-03:portion 1 (Field 390 Site); 3-7-02:portion 1 (Airport Industrial Area Site)
Applicant: Kauai Electric Division
Citizens Utilities Company
4463 Pahee Street
Lihue, Kauai 96766
Contact: Denny Polosky (246-8216)
Approving Agency/Accepting Authority: County of Kauai, Planning Department
4444 Rice Street, Suite 473
Lihue, Kauai 96766
Contact: Dee M. Crowell (241-6677)
Consultant: Planning Solutions, Inc.
1210 Auahi Street, Suite 221
Honolulu, Hawaii 96814
Contact: Perry White (593-1288)
Status: FEIS currently being reviewed by the Planning Department, County of Kauai.
Permits Required: Covered source, NPDES, historic sites review, CZM consistency certification, PSD, special permit (agricultural district)

Kauai Electric (KE) is proposing to develop a master-planned energy service center in Lihue, Kauai, Hawaii. The complex, once fully developed, would include 120 to 150 megawatts (MW) of new electrical generating capacity and ancillary facilities, and a Transmission & Distribution facilities baseyard (T&D). The complex is intended to accommodate a wide range of fossil fuel-fired generating technologies, including combustion turbines, diesel-electric, and coal-fired units. Each unit would be installed as needed. New overhead electrical power transmission lines would connect the proposed facilities with the existing transmission system.

Three sites are being considered. Lihue Plantation Company is presently cultivating sugar cane on all of them. The "Puhi Site" is situated mauka of Grove Farm's Kukui Grove Shopping Center. The "Field 390 Site" is located along a main cane haul road just south of Maalo Road, and the "Airport Industrial Area Site" is located south of Hanamaulu Gulch just west of the Lihue Airport. Some off-site improve-



ments will be needed for such things as water supply, wastewater disposal, and access.

The proposed project is intended to provide the generating capacity needed to meet the forecast demand for electricity on the island of Kauai over the next several decades as envisioned in KE's 1997 Integrated Resource Plan (1997 IRP). It provides the power needed after implementation of the energy-efficiency and conservation measures in KE's approved Demand-Side Management programs.

The proposed facilities incorporate best available control technologies to mitigate the effect of air emissions, surface runoff, noise, leaks from fuel storage and transport, and other potential pollutants. The facilities will comply with all air emissions and ambient air quality standards, but its operation would adversely affect air quality in some surrounding locations. Similarly, while noise from plant operations is compatible with existing uses in the areas surrounding each of the sites, it could limit future development of noise-sensitive uses in some areas.

Previously Published Projects

Draft Environmental Assessments

● Limahuli Garden Lo'i Restoration Project

Applicant: Limahuli Garden of the National Tropical Botanical Garden
P.O. Box 808
Hanalei, Hawaii 96714
Contact: Chipper Wichman (826-5547)

Approving Agency/Accepting Authority:

Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809
Contact: Sam Lemmo (587-0377)

Public Comment

Deadline: April 22, 1999

Shoreline Notices

APRIL 8, 1999

Shoreline Certification Applications

Pursuant to § 13 -222-12, HAR the following shoreline certification applications are available for inspection at the DLNR District Land Offices on Kauai, Hawaii and Maui and at Room 220, 1151 Punchbowl St., Honolulu, Oahu (Tel: 587-0414). All comments shall be submitted in writing to the State Land Surveyor, 1151 Punchbowl Street, Room 210, Honolulu, HI 96813 and postmarked no later than fifteen (15) calendar days from the date of the public notice of the application.

Case No.	Date Received	Location	Applicant	Tax Map Key
OA-678	03/22/99	Lot 16-G, Ld Ct App 242, Ewa Beach, Oahu (91-243 Ewa Beach Road)	Rachel Haili for Rachel Haili	9-1-23:22

Shoreline Certifications and Rejections

Pursuant to §13-222-26, HAR the following shorelines have been certified or rejected by the DLNR. A person may appeal a certification or rejection to the BLNR, 1151 Punchbowl Street, Room 220, Honolulu, M 96813, by requesting in writing a contested case hearing no later than twenty (20) calendar days from the date of public notice of certification or rejection.

Case No.	Date Cert/Rej	Location	Applicant	Tax Map Key
OA-542	Certified 03/25/99	Lot H-1 of Ld Ct App 979, Kahaluu Fish Pond, Kahaluu, Koolaupoko, Oahu (507 Kamehameha Highway)	Engineers Surveyors Hawaii, Inc. for Linda Wong	4-7-11:01
MA-202	Certified 03/25/99	Olowalu Makai-Komohana Subdivision and Olowalu Makai-Hikina Subdivision, Olowalu, Lahaina, Maui (Olowalu, Maui)	R Tanaka Engineers, Inc. for Olowalu Elua Associates	4-8-03:43-46 and Por 05
MA-022	Rejected 03/25/99	Lot 1-B-1 of the Bechert Estate Subdiv., Kahananui, Kaanapali, Maui (4365 L. Honoapiilani Highway)	Land Surveyors, Inc. for Royal Kahana	4-3-10:07
MA-061	Rejected 03/25/99	Lots A & Por of C, Seibu Makena Hotel Subdiv III, Being all of LCAw 5402-B, Ap 4 to Nawaiki, Being also a Por of Grant 15029 to Ulupalakua Ranch, Inc. & Grant 835 to Mahoe, Honualua, Makawao, Maui (5415 Makena Alanui Road)	Newcomer-Lee Land Surveyors, Inc. for Seibu Hawaii, Inc.	2-1-06:57 & 59

Federal Consistency Reviews

The Hawaii Coastal Zone Management (CZM) Program has received the following federal actions to review for consistency with the CZM objectives and policies in Chapter 205A, Hawaii Revised Statutes. This public notice is being provided in accordance with section 306(d)(14) of the National Coastal Zone Management Act of 1972, as amended. For more information, please call John Nakagawa with the Hawaii CZM Program at 587-2878. Federally mandated deadlines require that comments be received by the date specified for each CZM consistency review and can be mailed to: David W. Blane, Director, Office of Planning, Dept of Business, Economic Development and Tourism, P.O. Box 2359, Honolulu, Hawaii 96804. Or, fax comments to the Hawaii CZM Program at 587-2899.

(1) Hawaii Offshore Aquaculture Research Project, Ewa Beach, Oahu

Applicant: University of Hawaii
Contact: Charles Helsley, Director, UH Sea Grant College Program, 956-7031

Federal Agency: U.S. Army Corps of Engineers

Federal Action: Department of the Army Permit

Location: 1.5 miles offshore of Ewa Beach, Oahu

Proposed Action:

Moor a totally enclosed, semi-submersible cage, 80 feet in diameter, 1.5 miles offshore of Ewa Beach to demonstrate the feasibility of offshore aquaculture in Hawaii. The cage, which will be marked with floats and lights, will be moored by a 2 or 4 point anchor system in about 100 feet of water. Moi, a species indigenous to Hawaii, will be cultured.

Comments Due: April 23, 1999

(2) Old Government Wharf Reconstruction, Hilo, Hawaii

Applicant: County of Hawaii, Department of Parks and Recreation
Contact: Glenn Miyao, (808) 961-8311

Federal Agency: U.S. Army Corps of Engineers

Federal Action: Department of the Army Permit

Location: Lihui Street, Hilo, Hawaii

TMK: (3rd) 2-1-3: 1, 2, 16, 19, 22, 23, 25

Proposed Action:

Reconstruct the Old Government Wharf, which is presently a public hazard, to its original dimensions. The reconstructed wharf would provide a scenic vantage point and fishing platform that complements other improvements proposed to Liliuokalani Gardens.

Comments Due: April 23, 1999

(3) Japan-U.S. Cable Network, Makaha Beach, Oahu

Applicant: AT&T

Consultant: R.M. Towill Corporation
Contact: Chester Koga, 842-1133

Federal Agency: U.S. Army Corps of Engineers

Federal Action: Department of the Army Permit

Location: Makaha Beach, Oahu

TMK: 8-4-1: 12

Proposed Action:

Develop and install a transpacific submarine fiber optic cable system linking Japan, Hawaii and California. As part of this project, AT&T will construct two or three new man-holes and eight ductlines at Makaha Beach to land and connect the terrestrial portion of its network with the transpacific portions of the cable system. The Makaha Beach landing site will also use existing AT&T facilities including a beach manhole, ductline and the Makaha Cable Station.

Comments Due: April 23, 1999

(4) U.S. Army Corps of Engineers General Permit 99-001 for Hawaii Statewide Fish Aggregating Devices

Federal Agency: U.S. Army Corps of Engineers

Contact: William Lennan, 438-9258, x13

Federal Action: Department of the Army Permit

Location: Offshore Niihau, Kauai, Oahu, Molokai, Lanai, Maui, Kahoolawe & Hawaii

Proposed Action:

Issuance of a general permit to install, maintain and replace fish aggregating devices (FAD) in navigable waters, greater than 600 feet deep, of the United States around the main Hawaiian islands.

Comments Due: April 26, 1999

Marine and Coastal Zone Management Advisory Group

The Marine and Coastal Zone Management Advisory Group (MACZMAG) will hold its next regularly scheduled meeting on Friday, May 21, 1999 from 9:00 a.m. - 11:00 a.m. in the State Office Tower, Room 204.

MACZMAG meeting agendas and minutes are now available on the Hawaii Coastal Zone Management Program web page at www.hawaii.gov/dbedt/czm.

Conservation District Notices

APRIL 8, 1999

Departmental Permits

Persons interested in commenting on the following Conservation District Use Application (Departmental Permit) must submit comments to the Department of Land and Natural Resources. Also, anyone interested in receiving notification of determinations on CDUAs must submit requests to DLNR that include the following information:

- 1) Name and address of the requestor;
- 2) The departmental permit for which the requestor would like to receive notice of determination; and,
- 3) The date the notice was initially published in the Environmental Notice.

Both comments and requests for notification of determinations must be submitted to DLNR within thirty days from the initial date that the notice was published in the Environmental Notice.

Please send comments and requests to: State of Hawaii, Department of Land and Natural Resources, Land Division, 1151 Punchbowl Street, Room 220, Honolulu, Hawaii 96813.

While DLNR will make every effort to notify those interested in the subject CDUA, it is not obligated to notify any person not strictly complying with the above requirements. For more information, please contact Tom Eisen at 587-0439.



Floating Aquaculture Project

File No.: CDUA OA-2925D
Applicant: Eugene Imai, Senior Vice President
University of Hawaii
2444 Dole Street
Honolulu, Hawaii 96822
Location: 1.5 Miles Off Shore of Ewa Beach
Proposed Action: Deployment of Anchor Systems to Moor a Floating Aquaculture Project for Experimental Growth of Moi.
343 determination: Exempt
Contact: Charles E. Helsley, Ph.D., Director
Hawaii Sea Grant College Program
(808) 956-7031

Federal Notices

Translocation of Orange-Back Damselfly

On March 31, Army natural resources personnel on O'ahu and U.S. Fish and Wildlife Service biologists translocated the rare Orange-back damselfly, *Megalagrion xanthomelas* from Tripler Army Medical Center to a stream at the Dillingham Military Reservation on O'ahu (see, April 1999, EMP Bulletin, <http://www.angelfire.com/hi/ecosystem/EMP918.html>).

Endangered Bird Permit Application, TE-007456

The U.S. Fish and Wildlife Service (FWS) announced that Leonard Freed asked to renew his permit to take (capture, mark, collect biological samples): the Hawai'i 'akepa (*Loxops coccineus coccineus*); the Hawai'i creeper (*Oreomystis mana*); the 'akiapo'olau (*Hemignathus munroi*); and the Hawaiian hawk (*Buteo solitarius*) in conjunction with demographic, genetic, and disease research for the purpose of enhancing their survival. Send data/comments by **APRIL 26, 1999** (see, 64 F.R. 14459, March 25, 1999).

Critical Habitat for 245 Hawaiian Plants - Reopening of Comment Period

The U.S. Fish and Wildlife Service (FWS) reopened the public comment period on its re-evaluation of whether designation of critical habitat is prudent for 245 Hawaiian Plants (see, 63 F.R. 64805, November 30, 1998). The new comment period began on March 24, 1999; comments from all interested parties must be received by **MAY 24, 1999**. Call 541-2749 for details (see, 64 F.R. 14209, March 24, 1999, for a complete listing of the 245 plant taxa).

Johston Atoll Trial Burn Delayed

On March 21, 1999, during trial burn testing, the Johnston Atoll Chemical Agent Disposal System (JACADS) registered a series of unusual readings from its metal parts furnace. The alarm was sounded and the site contingency plan was activated. The Army concludes there was no release of chemical agent into the environment. The burn was suspended but is expected to resume after consultation with EPA. For more information call Catherine Stalcup Herlinger at (800) 488-0648 (Press release, March 24, 1999).

Imidacloprid Emergency Exemption Extension

The U.S. Environmental Protection Agency (EPA) has extended for 1 year a time-limited tolerance on cucurbits for residues of the insecticide imidacloprid and metabolites. This was because the sweet potato, or silverleaf whitefly (SLW) infestation has caused serious damage to the Hawai'i curcubit crop (watermelon, cucumbers, zucchini, etc.) over the past several years. File requests for a public hearing by **MAY 24, 1999** (see 64 F.R. 14105, March 24, 1999).

Native/Indigenous Fishery Rights Advisory Panel Meeting

The Western Pacific Fishery Management Council's Native and Indigenous Rights Advisory Panel will meet on **APRIL 19-20, 1999**, from 8:30 A.M. to 4:30 P.M. each day at 1164 Bishop Street, Suite 1400, Honolulu (see, 64 F.R. 13972, March 23, 1999).

Pelagics Advisory Panel Meeting

The Western Pacific Fishery Management Council's Pelagics Advisory Panel will meet on **APRIL 14-15, 1999**, from 8:30 A.M. to 5:00 P.M. each day at the 'Ilikai Hotel, New Zealand Suite, 1777 Ala Moana Boulevard, Honolulu (see 64 F.R. 13971, March 23, 1999).

Coastal Engineering Board Meets in Honolulu

The U.S. Army Corps of Engineers invites you to a meeting of its Coastal Engineering Board (CERB) at the Ilikai Hotel in Honolulu from **APRIL 14-16, 1999**, to discuss "*Military Applications of Coastal Engineering*." The entire meeting is open to the public; however, the seating capacity of the meeting room is limited. Your notice of intent to attend the meeting is requested in order to assure adequate arrangements. Please address your request to attend to Colonel Robin R. Cababa, Executive Secretary, Coastal Engineering Research Board, U.S. Army Engineer Research and Development Center, Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199. The April 14 session (8:30 A.M. to 4:30 P.M.) will consist of a review of CERB business, and various presentations. The morning of April 15 will include presentations on: *Summary of Marine*

Board Study on Coastal Engineering Research and Education Needs, Honolulu Coastal projects, Island Harbors, New Directions in Coastal Research Needs, and Field Trip Overview. A field trip to the Kane'ohe Marine Corps Base for a beach invasion demonstration will be held in the afternoon. On the morning of April 16, presentations include: *Future Direction of the Corps' Shore Protection Program, Geographic Distribution of Coastal Engineering Projects, Hurricane Evacuation Studies for the Islands, and Disaster Related Issues on the Islands* (see, 64 F.R. 13782, March 22, 1999).

Environmental Stewardship Grant Competition

The U.S. Environmental Protection Agency (EPA) will award about \$498,000 in grant/cooperative agreement funds to States and federally recognized Native American Tribes for programs that address the reduction of risks associated with pesticide use in agricultural and non-agricultural settings. To be considered, applications must be received by Ms. Roccena Lawatch (telephone (415) 744-1068, email lawatch.roccena@epamail.epa.gov), on or before **MAY 3, 1999**. Award decisions will be made by June 2, 1999 (see, 64 F.R. 13576, March 19, 1999).

Marine Mammals Scientific Research Permit No. 926

The National Marine Fisheries Service (NMFS) has issued to Dr. Robin Baird, Dalhousie University, Halifax, Nova Scotia an amendment to Scientific Research Permit No. 926 to expand the odontocete geographic research area to include Hawai'i waters, among other things (see, 64 F.R. 13406, March 18, 1999).

Surface Management for Locatable Mineral Operations EIS

The Bureau of Land Management, U.S. Department of the Interior has issued an EIS for four possible regulatory frameworks for regulating surface disturbance to prevent unnecessary or undue degradation of lands. For more information, call Paul McNutt at (775) 861-6604 (February 1999).

Pollution Control Permits

APRIL 8, 1999

Department of Health Permits

The following is a list of some pollution control permits currently being reviewed by the State Department of Health. For more information about any of the listed permits, please contact the appropriate branch or office of the Environmental Management Division at 919 Ala Moana Boulevard, Honolulu.

Branch & Permit Type ¹	Applicant & Permit Number	Project Location	Pertinent Dates	Proposed Use
CAB-NSP	Hagadone Printing Co., Inc., NSP No. 0390-01-N	274 Puuhale Road, Honolulu, O'ahu	Issued: 3/11/99	TEC dryer with catalytic incinerator/afterburner
CAB-NSP	Hawaiian Cement, Concrete & Aggregates Div., NSP No. 0313-01-N	Makakilo Quarry, 91-920 Farrington Highway, Kapolei, O'ahu	Comments due: 4/15/99	120 yd ³ /hr transit mix concrete batching plant
CAB-NSP	Texaco Refining and Marketing, Inc., NSP No. 0307-02-C	Hilo Sales Terminal, 999 Kalaniana'ole Street, Hilo, Hawai'i	Comments due: 4/15/99	Two (2) 10,000 bbl Internal Floating Roof Storage Tanks, No. HT-901 and HT-902
CAB-NSP	West Hawaii Concrete, Kamuela Facility, NSP No. 0430-01-NT	Various temporary sites, Hawai'i island; initial location: Parker Ranch, Kamuela, Hawai'i	Issued: 3/12/99	150 yd ³ /hr portable concrete batch plant
CAB-NSP	University of Hawaii Scientific Drilling Project, NSP No. 0418-02-N	District of Waiakea, Hilo, Hawaii. UTM Coordinates: Zone 4, 284,469 Easting, 2,181,304 Northing	Issued: 3/17/99	Nine diesel engines
CAB-CSP	Kiewit Pacific Company, CSP No. 0200-05-CT	Various locations, State of Hawai'i; initial location at corner of Kalaeloa Boulevard and Malakole Road, Kapolei Industrial Park, O'ahu	Issued: 3/19/99	200 TPH portable crushing, recycling and screening plant with 465 HP Diesel engine/100 kW generator
CAB-NSP	Michael Bruce Anglin, NSP No. 0438-01-N	9 Miles East of Kaunakakai, TMK 5-5-02:18, Kaunakakai, Moloka'i	Issued: 3/19/99	800 TPH stone processing plant with one 799 kW Diesel engine generator
CAB-NSP	Kawaihae Millwork, Inc., Kawaihae Concrete, NSP No. 0383-01-N	Kaei Hana Industrial Subdivision, Kawaihae, Hawai'i	Issued: 3/22/99	8-1/2 yd ³ concrete batch plant
OSW	Kuni's Service & Auto Repair	Honolulu, O'ahu	Received: 12/31/98	Auto salvage and storage
OSW	Maui Foreign Auto Wrecking	Pu'unene, Maui	Received: 1/06/99	Auto salvage
OSW	Hyl Corporation	Honolulu, O'ahu	Received: 1/22/99	Recycling materials and recovery
OSW	Tire Thrivers	Kahului, Maui	Received: 3/04/99	Permit by Rule for tire transport, transfer station for tires
OSW	Sunshine Recycling	Maui	Received: 3/12/99	Recycling and materials recovery

Pollution Control Permits (cont.)

APRIL 8, 1999

OSW	Unitek Solvent Services	Hilo, Hawaii	Received: 12/31/98	Permit renewal for used oil recycling
OSW	Unitek Solvent Services	Kahului, Maui	Received: 12/31/98	Permit renewal for used oil recycling
OSW	Unitek Solvent Services	Lihue, Kaua`i	Received: 12/31/98	Permit renewal for used oil recycling
OSW	Aloha Glass Recycling, Inc.	Kahului, Maui	Received: 2/02/99	Permit renewal for recycling and materials recovery
OSW	Big Island Recycling & Rubbish, Inc.	Hawai`i	Received: 2/16/99	Permit renewal for recycling, drop-off and composting
OSW	Recycling Systems Hawai`i, Inc.	Hawai`i	Received: 3/05/99	Permit renewal for recycling, drop-off
OSW	Recycling Systems Hawai`i, Inc.	Hawai`i	Received: 3/05/99	Permit renewal for recycling and materials recovery
CAB-NSP	United Laundry Services Inc., NSP No. 0442-01-N	2291 Alahao Place, Honolulu, O`ahu	Issued: 3/23/99	Two 500 HP SNG/LPG-fired boilers
CAB-CSP	Ball Metal Beverage Container Corp., CSP No. 0074-01-C	91-320 Komohana Street, Kapolei, O`ahu	Comments due: 4/20/99	Two piece Aluminum can production plant.

¹ LEGEND: "OSW" means Office of Solid Waste Management, telephone 586-4226; "SDWB" means Safe Drinking Water Branch, telephone 586-4258; "UIC" means Underground Injection Control Permit; "CAB" means Clean Air Branch, telephone 586-4200; "CSP" means Covered Source Permit; "NSP" means Non-Covered Source Permit; "CWB" means Clean Water Branch, telephone 586-4309; "NPDES" means National Pollutant Discharge Elimination System permit; "401" means Section 401, Clean Water Act, Water Quality Certification.

