

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

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Hawaii: 974-4000 ext. 64185

JANUARY 23, 1999

DOT Exempts Harbor Dredging

On January 11, 1999 the Department of Transportation withdrew and exempted the environmental assessment *Maintenance Dredging for Piers 15-20, Honolulu Harbor Job H.C.1942* from the environmental assessment process. The project consists of dredging of 24,000 cubic yards of silt for eventual disposal in 200 fathoms of water at EPA's South O'ahu Ocean Disposal Site about 3.1 nautical miles from the nearest land.

Mabel Smyth Building Renovations

The Queen's Medical Center (QMC) is applying for a Planned Review Use from the City's Department of Planning and Permitting as a part of a Ten-Year Master Plan. The Mabel Smyth Building, the work of C. W. Dickey, was built in 1941 and is on the National and State Registers of Historic Places. QMC is proposing various improvements, including: a new extended lanai and entry facing the QMC Campus; modernization of the auditorium; dividing the Alice Yates conference room into a board room and a videoconferencing room; addition of a second floor foyer with flexible acoustical wall and multimedia front ceiling projector; reroofing the roof; removal and landscaping of 18 parking spaces, paved driveway and entrances in front of the building. Parking will be provided in the QMC parking garage and the proposed new Miller Street Triangle Parking Structure. QMC estimates the cost to be \$4.5 million dollars with construction to be completed within 10-12 months after all needed permits are secured. See page 4.

Environmental Council Submissions

The Environmental Council has changed its submission requirements. See page 16 for details.

Results of chemical, bioassay and bioaccumulation testing of sediment samples from five sites in the harbor indicated one site, U3, did not pass the ocean disposal criteria for the amphipod solid phase bioassay test. Polynuclear aromatic hydrocarbons are the primary chemicals suspected as the cause of the toxicity at site U3. For more information, please see the draft EA listing in the August 8, 1998 *Environmental Notice*.

Revised Shoreline Hardening Policy

A revised shoreline hardening policy and guidelines for assessing shoreline alteration and hardening projects, prepared as a part of the Coastal Erosion Management Plan (COEMAP) of DLNR, is now available at OEQC. The guidelines have been revised to clarify the existing ten studies and justifications for inclusion in an EA, and now include three new elements: coastal hazard history; sediment movement analysis; and a professional engineer's seal. Revised guidelines are printed on page 18.

Comments Sought on SMA Bill

The City Department of Planning and Permitting is seeking comments on a draft bill to streamline O'ahu's Special Management Area Use Permit (SMP) under Chapter 25, Revised Ordinances of Honolulu. For more information see page 8.

Power Line Challenge Deadline

CORRECTION -- The challenge deadline of March 1, 1999 listed in the January 8th, 1999 Environmental Notice for the HECO Kamoku-Pukele 138kV Power Line final EIS was incorrect. The correct challenge deadline is not yet known. We apologize for the incorrect listing.

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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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.

Oahu Notices

JANUARY 23, 1999

Draft Environmental Assessments



(1) Kamehameha Highway Drainage Improvements Vicinity of Polinalina Road

District: Koolauloa
TMK: 5-1-9 and 5-1-12
Applicant: Department of Transportation
Highways Division
601 Kamokila Blvd., Room 609
Kapolei, Hawaii 96707
Contact: Ross Hironaka (692-7575)

Approving Agency/Accepting

Authority: Same as above.

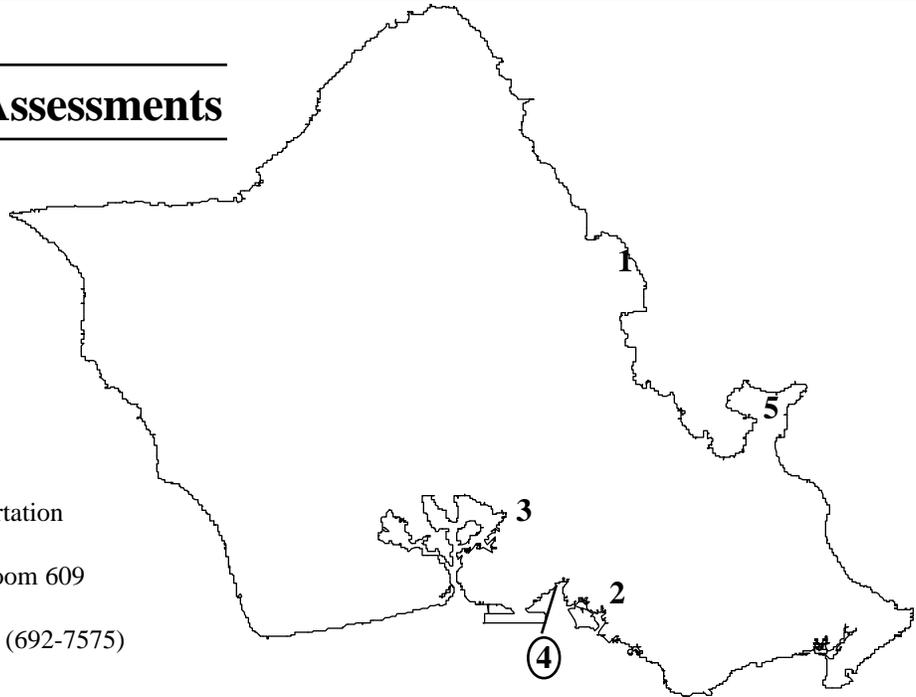
Public Comment

Deadline: February 22, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with a copy to OEQC.

Permits Required: 401 water quality certification, 404 Dept. of Army, SSV, SMA

The State of Hawaii Department of Transportation, Highways Division proposes the following drainage improvements. In the vicinity of Polinalina Road, the existing drainage system consists of a 48" concrete pipe which carries surface runoff from a drainage area of approximately 78 acres. Since the existing 48" concrete pipe does not meet the required capacity for a 50 year flood, the State of Hawaii Department of Transportation is proposing to replace the existing 48" concrete pipe with a 8' x 4' concrete box culvert.

In the vicinity of Kaaawa Elementary School, water sheet flows across Kaaawa Elementary School field into a grass swale, then into a concrete lined ditch which in turn feeds a 6' x 3' concrete culvert. During heavy rainfall the existing drainage system does not have the capacity to carry the runoff towards the ocean. This causes the existing drainage system to flood the school grounds and neighboring property. The proposed drainage improvement consists of constructing a new 8' x 4' concrete box culvert adjacent to the existing 6' x 3' concrete box culvert to increase the drainage capacity.



(2) Mabel Smyth Conference Center Renovations

District: Honolulu
TMK: 2-1-35:1
Applicant: Queen's Medical Center
1301 Punchbowl Street
Honolulu, Hawaii 96813
Contact: Dr. James Kumagai (547-4266 or 547-4677)

Approving Agency/Accepting

Authority: City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawaii 96813
Contact: Dana Teramoto (523-4648)

Consultant: Analytical Planning Consultants, Inc.
928 Nuuanu Avenue, Suite 502
Honolulu, Hawaii 96817
Contact: Donald Clegg (536-5695)

Public Comment

Deadline: February 22, 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:

The applicant is proposing to expand the use of the facility by renovating, enlarging and modernizing the auditorium and meeting rooms. The facility will be used for special functions and educational programs.

The existing entry from Beretania Street will remain the same. The first floor foyer will have a new extended 700 square-foot concrete lanai and entry at the rear of the building. The parking lot at the front of the building will be replaced with landscaping.

A second floor foyer with a flexible acoustical wall will be added, along with a multi-media front ceiling projector.

Final Environmental Assessments/Findings of No Significant Impacts (FONSI)



(3) DLNR Oahu Baseyard

District: Ewa
TMK: 9-7-25:01
Applicant: Department of Land and Natural Resources
P.O. Box 373
Honolulu, Hawaii 96809
Contact: Hiram Young (587-0260)

Approving Agency/Accepting

Authority: Same as above.
Consultant: Engineering Concepts, Inc.
250 Ward Avenue, Suite 206
Honolulu, Hawaii 96814
Contact: Kenneth Ishizaki (591-8820)

Public Challenge

Deadline: February 22, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: Building, grubbing/grading/stockpiling, sewer connection

The State of Hawaii Department of Land and Natural Resources (DLNR) has proposed to construct a baseyard for its Oahu operations on state-owned lands in Pearl City. The project site encompasses an area of approximately 50,000 sq. ft., located within the grounds of the Waimano Training School and Hospital (WTSH) on Waimano Ridge. The proposed action will include demolition of the Old Administration Building which previously served the WTSH facility; and construction of offices, workshop areas and storage areas to serve as a baseyard for various divisions within DLNR. Four prefabricated office structures will be erected, totalling approximately 5,400 sq. ft. Roofed lanai areas will be constructed in the space between two of the prefabricated structures. Asphalt paving will be constructed around the offices for parking and storage. In addition, the mauka portion of the existing perimeter road encircling the project site will be widened to 20 ft to allow two-way traffic. The entire baseyard complex will be surrounded with chain link fencing for security.

Short term impacts which may result from the proposed development will be construction-related and may include soil erosion, and generation of dust and noise. Potential long term impacts include alteration of the internal traffic pattern around the site and relocation of staff/tenants presently utilizing the existing building

Construction is anticipated to begin in the second quarter of 1999, and will take 12 months to complete. The estimated construction cost is \$850,000. Funding for the project will be provided by the State of Hawaii.



(4) Keehi Small Boat Harbor Boating Pump-Out Facility

District: Honolulu
TMK: 1-2-25 & 1-5-41
Applicant: Department of Land and Natural Resources
P.O. Box 373
Honolulu, Hawaii 96809
Contact: Hiram Young (587-0260)

Approving Agency/Accepting

Authority: Same as above.
Consultant: SSFM Engineers, Inc.
501 Sumner Street, Suite 502
Honolulu, Hawaii 96817
Contact: Cey Murakami (531-1308)

Oahu Notices

JANUARY 23, 1999

Public Challenge

Deadline: February 22, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Army, CDU, NPDES, Discharge of
Required: Hydrotesting Waters & Construction
Dewatering, SMA major permit, shoreline setback variance

The State of Hawaii, Department of Land and Natural Resources is proposing a new wastewater pump station at the Keehi Small Boat Harbor and force main beneath Kalihi Channel. The purpose of this project is to replace the existing wastewater collection and disposal system with a Wastewater Pump Station, Force Main, and Wastewater Collection System. The existing system consists of two cesspools, a cavittette tank, and a leaching field. It remains ineffective and inoperable due to the clogged leaching field and a high groundwater table.

The recommended alternative is to install a pump station that will collect wastewater from the existing and proposed facilities via gravity sewer system. A 4-inch diameter force main will be constructed from the Pump Station, under the Kalihi Channel via horizontal directional drilling, to an existing State-owned gravity sewer system near the Marine Education and Training Center. Directional drilling under Kalihi Channel is recommended to avoid the environmental impacts associated with open trench construction or dredging across Kalihi Channel.

Four (4) alternatives were considered in the replacement of the existing wastewater collection system. Alternative 1 examined a new Septic Tank/Treatment Unit System. This alternative is not recommended because it would require high maintenance and could fail from clogged leaching fields. Alternative 2 examined the realignment of the force main along the existing "Bascule" Bridge. This alternative is not recommended because this bridge may be replaced by a drawbridge or an underground tunnel in the future. Alternative 3 examined the connection to an existing City-owned wastewater system along Sand Island Access Road. This alternative is not recommended because the existing pipeline can not accommodate the additional flows. Alternative 4 examined the connection to an existing Army-owned wastewater system. This alternative is not recommended due to the poor condition of the existing Army pipeline.

National Environmental Policy Act (NEPA)



(5) Kaneohe Marine Corps Bachelor Enlisted Quarters, MILCON P-286 (Environmental Assessment/FONSI)

District: Koolaupoko
TMK: 4-4-08:por. 1
Approving Agency/Accepting Authority: U.S. Navy, Commanding General
Marine Corps Base Hawaii
Box 63002
Kaneohe Bay, Hawaii 96863-3002
Contact: Gerald Gibbons (471-9338)
Consultant: Helber Hastert & Fee
733 Bishop Street, Suite 2590
Honolulu, Hawaii 96813
Contact: Scott Ezer (545-2055)

Pursuant to Council on Environmental Quality Regulations (40 CFR Parts 1500 – 1508) implementing procedural provisions of the National Environmental Policy Act (NEPA), the U.S. Marine Corps gives notice that an Environmental Assessment (EA) has been prepared and an Environmental Impact Statement is not required for the proposed construction of a Bachelor Enlisted Quarters (BEQ) complex at Marine Corps Base Hawaii (MCBH), Kaneohe Bay, Oahu, Hawaii.

The proposed action (MILCON P-286) will construct a BEQ complex with 204 two-person living spaces at MCBH Kaneohe Bay on a 3.48-hectare (8.6-acre) site. The conceptual site plan provides: (1) four BEQ buildings (structures will be no higher than three stories); (2) gross built area of 8,670 square meters (93,326 square feet); (3) 255 parking stalls for facility residents, guests and staff; and (4) a water quality basin. The water quality basin to be built as part of the overall project will mitigate potential impacts to environmentally sensitive areas downstream by removing sediment and pollutants carried by stormwater runoff. Sediment runoff or releases of hazardous materials during construction will be prevented by implementation of best management practices by the contractor.

The project site is located adjacent to the Mokapu Central Drainage Channel. Sixty percent of the project site is within the channel's 100-year floodplain. No construction will take place in the floodway and floodplain limits will not be expanded. Adverse effects will be mitigated by raising the finished floor elevations of structures in the floodplain above the base flood heights. The EA serves as a Statement of Findings and public notification pursuant to Executive Order 11988, Floodplain Management.

There will be no impacts to cultural resources and the proposed action will have no disproportionate effect on any minority or disadvantaged population or pose health or safety risks to children. There will be no spillover effects on the state's coastal zone, and the State of Hawaii has been notified of the Coastal Zone Management Act negative determination.

Based on the information gathered during preparation of the EA, the U.S. Marine Corps finds that the proposed construction of a BEQ complex at Marine Corps Base Hawaii, Kaneohe Bay, Oahu, Hawaii will not significantly impact the environment.

The EA and FONSI addressing this action may be obtained from: Commander, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, Hawaii, 96860-7300 (Attention: Mr. Gerald Gibbons, Code 231GG), telephone (808) 471-9338, fax (808) 474-5909.

Kanaha Stream Work Day

Come Join the Papakolea and Makiki Community for the KANAHA STREAM RESTORATION PROJECT WORK DAY on Saturday, January 30, 9 am - 12 pm. Kanaha Stream By Roosevelt High School at the intersection of Nehoa St. and Auwaiolimu St.

Wear Sturdy Footwear

Tools Provided, but Please Bring More!

Volunteers Needed!!!

For Information call Citizen Action Project at 941-HULI
A Community Based Ala Wai Watershed Improvement Project, this restoration project will include many improvements such as establishing native plants and other ground-covers to restore the natural filtering effect of healthy plants to this ecosystem, and creating educational signage and a picnic area. Community involvement is critical to its success.

This project is jointly funded by a grant from the EPA, the Hawaii Dept. of Health Clean Water Branch and the Conservation Council for Hawaii. Citizen Action Project is the project manager and may be contacted at 941-4854.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

📌 Kapakahi Well

Applicant: Department of Land and Natural Resources
1151 Punchbowl St, Room 220
Honolulu, Hawai'i 96813
Contact: Andrew Monden (587-0230)

Approving Agency/Accepting

Authority: Same as above

Public Comment

Deadline: February 8, 1999

Final Environmental Impact Statements

📌 Kamoku-Pukele 138-kV Transmission Line Project

Applicant: Hawaiian Electric Company, Inc.
P.O. Box 2750
Honolulu, Hawai'i 96840-0001
Contact: Kerstan Wong (543-7059)

Approving Agency/Accepting

Authority: Department of Land and Natural Resources
Office of Conservation and Environmental Affairs
1151 Punchbowl Street
Honolulu, Hawai'i 96813
Contact: Sam Lemmo (587-0381)

Status: FEIS currently being reviewed by the Department of Land and Natural Resources.

📌 Waimanalo Wastewater Facilities Plan

Applicant: City and County of Honolulu
Department of Wastewater Management
650 South King Street
Honolulu, Hawai'i 96813
Contact: Carl Arakaki (523-4671)

Approving Agency/Accepting

Authority: Governor, State of Hawai'i
c/o Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawai'i 96813

Status: FEIS currently being reviewed by the Office of Environmental Quality Control.

Oahu Notices

JANUARY 23, 1999

Withdrawal

🌺 Honolulu Harbor Maintenance Dredging at Piers 15 to 20

On January 11, 1999 the Department of Transportation, Harbors Division withdrew and exempted the draft environmental assessment for the Honolulu Harbor Maintenance Dredging at Piers 15 to 20. The DEA was published in the August 8, 1998 issue of the Environmental Notice.

Draft SMA Bill Available

The City Department of Planning and Permitting (DPP) is soliciting comments on a draft bill that would streamline Oahu's Special Management Area Use Permit (SMP), Chapter 25, ROH processing procedures. The proposal would:

- 1) allow for concurrent processing of SMP's and environmental assessments or impact statements;
- 2) give DPP the option of conducting the hearing in the vicinity of the project, where this is currently required; and
- 3) establish a 45-day deadline for action on minor SMPs, where there is currently no processing deadline.

Currently, assessment procedures, consisting of filing either a "finding of no significant impact" or a final environmental impact statement, must be completed prior to acceptance of an SMP application. This sequential processing lengthens the processing time. The proposed bill allows for the environmental disclosure phase and the permit processing phase to occur at the same time.

Individuals may obtain a copy of the draft bill from the DPP, located on the 7th floor of the Honolulu Municipal Building, at 650 South King Street or by visiting the DPP website at www.co.honolulu.hi.us/planning. The DPP asks that the public and community groups submit comments by March 1, 1999. The final proposal will then be forwarded to the Honolulu City Council for their consideration.

Kauai Notices

Previously Published Projects

Draft Environmental Impact Statements

🌺 Lihu'e Energy Service Center

Applicant: Kaua'i Electric Division
Citizens Utilities Company
4463 Pahe'e Street
Lihu'e, Hawai'i 96766
Contact: Dave Morgan (335-6233)

Approving Agency/Accepting

Authority: County of Kaua'i, Planning Department
4444 Rice Street, Suite 473
Lihu'e, Hawai'i 96766
Contact: Dee M. Crowell (241-6677)

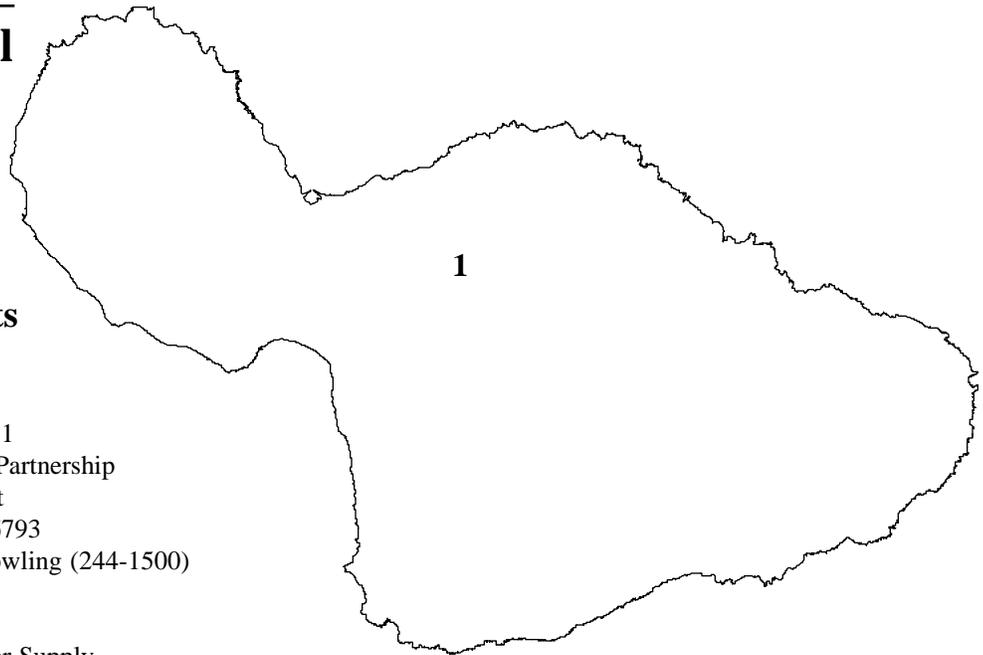
Public Comment

Deadline: February 8, 1999

Draft Environmental Assessments



(1) Kulamalu Water Tank and Related Improvements



District: Kula
TMK: 2-3-7:por. 10, por. 11
Applicant: Kulamalu Limited 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 (244-7816)

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

Public Comment

Deadline: February 22, 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

The applicant for the project is Kulamalu Limited Partnership. The County of Maui, Department of Water Supply (DWS) will be participating as a funding party in the project and is the approving agency.

The proposed project involves the construction of a one million gallon water tank and associated improvements in Kula, Maui, Hawaii. The project is intended to enhance storage capacity and improve fire protection services in the area.

The water tank site is approximately 1.25 acres in size. The tank is expected to occupy a diameter of 100 feet and reach 19 feet in height. An access road extends approximately

475 feet from an existing gate at Hanamu Road to the tank. An emergency overflow line extends northwest from the tank approximately 300 feet to an area close to Kailua Gulch. A proposed 12-inch inflow line extends approximately 1,100 feet from an existing 12-inch DWS line near Kailua Gulch to the water tank. A 16-inch outflow line extends northwest from the tank parallel to the inflow line to the existing DWS line. Then the outflow line extends an additional 1,700 feet west along an existing dirt road and pasture to link with the existing 12-inch DWS line.

A new 12-inch waterline is also proposed to extend in a southerly direction approximately 600 lineal feet to link with the existing 12-inch DWS line. This new segment is necessary to address hydraulic design requirements. The existing 12-inch line then proceeds further south and intersects with Haleakala Highway.

Then the existing waterline proceeds in a westerly direction terminating at King Kekaulike High School. Approximately 1,800 lineal feet of new 12-inch waterline is proposed within Haleakala Highway which parallels the existing 12-inch waterline. This segment is also being included for hydraulic design considerations.

Maui Notices

JANUARY 23, 1999

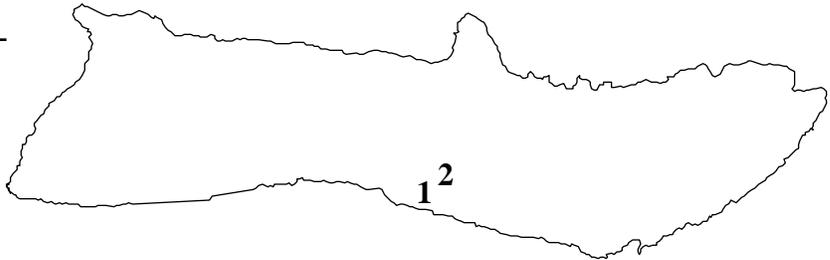
A new 12-inch waterline then proceeds approximately 1,300 lineal feet further in a westerly direction within Haleakala Highway. The proposed waterline then proceeds approximately 2,300 feet in a southerly direction within Kula Highway. This portion of the project describes the extent of improvements needed to reach its service areas.

The estimated cost for the improvements is \$2.8 million. Construction is anticipated to begin after all applicable approvals are obtained with completion in late summer 1999. Upon completion, the improvements are intended to be dedicated to the DWS.



Molokai Notices

Draft Environmental Assessments



(1) Kaunakakai Water System Improvements

District: Molokai
TMK: Located within Kamehameha V Highway right-of-way
Applicant: County of Maui
Department of Water Supply
200 South High Street
Wailuku, Hawaii 96793
Contact: David Craddick (243-7816)

Approving Agency/Accepting

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

Public Comment

Deadline: February 22, 1999
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the consultant and OEQC.

Permits

Required: NPDES

The County of Maui, Department of Water Supply, proposes to construct waterline improvements, lateral replacements, fire hydrants and other appurtenances in Kaunakakai, Molokai. Improvements are proposed within the Kamehameha V Highway right-of-way.

There are two (2) non-contiguous segments of waterline proposed to be replaced. Approximately 575 lineal feet of waterline is proposed to be constructed within Kamehameha V Highway, between Ala Malama Avenue and Mohala Road. Another segment of waterline is proposed to be constructed on Kamehameha V Highway, extending east approximately 1,140 lineal feet from the east edge of the "Duke" Malii Regional Park parcel. The new segments of waterline would replace existing 6 inch lines. Lateral replacements, fire hydrants and an air relief valve are being installed to update and upgrade the system to County standards.

The general purpose of the proposed improvements are to upgrade the water distribution and fire protection system in the area.

(2) Molokai Day Care/Senior Center

District: Molokai
TMK: 5-3-2:por. 168 and 5-3-3:por. 1
Applicant: Hale Mahaolu
200 Hina Avenue
Kahului, Hawaii 96732
Contact: Roy Katsuda (872-4100)

Molokai Notices

JANUARY 23, 1999

Approving Agency/Accepting

Authority: County of Maui
Department of Housing and Human
Concerns
200 South High Street
Wailuku, Hawaii 96793
Contact: Alice Lee (243-7805)

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

Public Comment

Deadline: February 22, 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:** District boundary & community plan
amendments; change in zoning; county
special use and SMA permits

The applicant for the project, Hale Mahaolu, is propos-
ing to develop the Molokai Day Care/Senior Center in
Kaunakakai, Molokai, Hawaii.

The project site for the day care/senior center facility is
located near the eastern boundary of the Home Pumehana
Elderly Housing Project (TMK 5-3-2:168). Parking for the
facility is proposed to be located on a portion of an abutting
parcel (TMK 5-3-3: 1). The intent is to subdivide an approxi-
mately 1.0 acre portion of the parcel and then consolidate the
property with the Home Pumehana parcel.

The adult day care/senior center will encompass
approximately 6,336 square feet of floor area. The structure
will include social and classroom areas, kitchen, offices,
storage, and restroom facilities. The parking area is proposed
to include approximately 62 stalls with a new driveway access
linking with Kolapa Place.

Community Development Block Grant funds are
proposed to be utilized to acquire the approximately one (1)
acre of property needed for parking from its current owner,
Molokai Ranch, Ltd. The intent of the applicant is to secure
an easement from Molokai Ranch, Ltd. or its affiliates, for the
driveway to Kolapa Place. The Home Pumehana site is owned
by the County of Maui and under long term lease to Hale
Mahaolu.



Coastal Zone News

Federal Consistency Review

The Hawaii Coastal Zone Management (CZM) Program
has received the following federal action 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 the CZM consistency review and can be
mailed to: Bradley J. Mossman, Director, Office of Planning,
Department of Business, Economic Development & Tourism,
P.O. Box 2359, Honolulu, Hawaii 96804. Or fax comments to
the Hawaii CZM Program at 587-2899.

Manana Development Offsite Sewer, Pearl City, Oahu

Applicant: Department of Design and Construction,
City and County of Honolulu
Consultant: Engineering Concepts, Inc.
Contact: Kenneth Ishizaki, 591-8820

Federal Agency: U.S. Navy

Federal Action: Federal License or Permit - U.S. Navy
Easement

Location: Acacia Road, Pearl City, Oahu

TMK: 9-7-24: 06

Proposed Action:

Construct a 12 to 15-inch diameter gravity sewer within
Acacia Road as part of an offsite sewer project to serve the
City's proposed Manana Development. The Acacia Road
section of the project requires an amendment to an existing
easement from the U.S. Navy.

Comments Due: February 8, 1999

Marine & Coastal Zone Management Advisory Group

The Marine and Coastal Zone Management Advisory
Group (MACZMAG) will hold its next regularly scheduled
meeting on Friday, March 19, 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.

Hawaii Notices

JANUARY 23, 1999

Final Environmental Assessments (FONSI)



(1) Hilo Bayfront Park Restroom Facilities

District: South Hilo
TMK: 2-2-02:35; 2-2-11:01 (pors.)
Applicant: County of Hawaii
Department of Parks and Recreation
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Glen Miyao (961-8311)

Approving Agency/Accepting

Authority: Same as above.
Consultant: Ron Terry (982-5831)
HC 2 Box 9575
Keaau, Hawaii 96749

Public Challenge

Deadline: February 22, 1999
Status: FEA/FONSI issued, project may proceed.
Permits Required: SMA, grading, building, Hawaii Redevelopment Agency approval

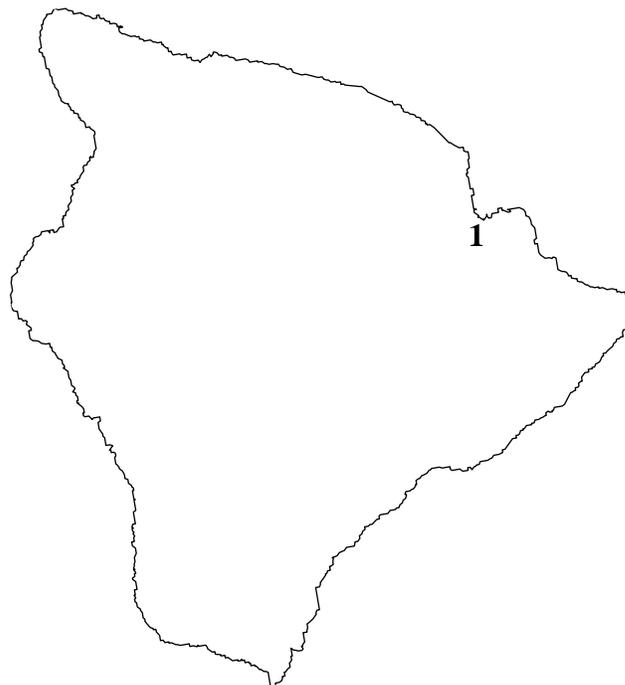
The project consists of two components. The County of Hawaii plans to expand the existing restroom facility near the Canoe Landing area, makai of the Bayfront Highway, which is called the Hilo Bayfront Beach Park restroom. The County would also build a new restroom facility at the end of Kumu Street on the mauka side of Waiolama Canal. These restrooms would serve the large number of people who use these popular areas for canoe paddling and soccer. The facilities would promote public health and safety by providing adequate and accessible sanitary facilities in areas now serviced by inadequate permanent and portable facilities, which presently do not conform to current Americans with Disabilities Act (ADA) design standards.

Previously Published Projects

Draft Environmental Assessments

► Pu`u Maka`ala Area Reserve Fence Construction

Applicant: Department of Land and Natural Resources
Division of Forestry and Wildlife
P.O. Box 4849
Hilo, Hawai`i 96720
Contact: William Stormont (974-4221)



Approving Agency/Accepting

Authority: Same as above.

Public Comment

Deadline: February 8, 1999

Draft Environmental Impact Statements

► Puainako Street Extension and Widening

Applicant: County of Hawai`i
Department of Public Works
25 Aupuni Street
Hilo, Hawai`i 96720
Contact: Jiro Sumada (961-8321)

Approving Agency/Accepting

Authority: Governor, State of Hawai`i
c/o Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawai`i 96813

Public Comment

Deadline: Extended to February 22, 1999

Shoreline Notices

JANUARY 23, 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-706	12/24/98	Kamehameha Highway Drainage Improvements Project No. 83D-01-98, Kaaawa, Koolauloa, Oahu (Kaaawa, Oahu)	State of Hawaii/Dept of Transportation for C&C of Honolulu, Kualoa Ranch, Inc. and Mr. & Mrs. Benjamin Yin	5-1-09:25 & 28, 5-1-12:1 & 2
OA-707	01/05/99	Kaluanui Beach Lots, Section B, Koolauloa, Oahu (53-737 Kamehameha Highway)	James Miller, Jr. for James Miller, Jr.	5-3-09:40
HA-204	12/24/98	Lot 54 of Puako Beach Lots (HTS Plat 414-B), Whole of Grant 13,393 to Joaquin S. Ramos & Dorothy Ramos, Lalamilo, Waimea, S. Kohala, Hawaii (69-1736 Puako Beach Drive)	Wes Thomas Associates for Dorothy Ramos	6-9-04:12
MA-201	12/29/98	Lot 37-B, Kuau Sunset Beach Lots (File Plan 302), Kuau, Makawao, Maui (Malie Place, Paia, Maui)	Akamai Land Surveying, Inc. for Beth Holiday	2-6-11:30
MA-202	12/22/98	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

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-408	Certified 01/12/99	Lot 343, Ld Ct app 616, Kailua, Koolaupoko, Oahu (1360 Mokulua Drive)	Walter P. Thompson, Inc. for Charles Wang	4-3-04:81
OA-701	Certified 01/12/99	Mauna Lahilahi Beach Park, Makaha, Waianae, Oahu (Farrington Highway, Waianae)	ParEn, Inc. dba Park Engineering for City & County of Honolulu & State of Hawaii	8-4-01:1 and 8-5-18: 2 & 3
KA-120	Certified 01/12/99	Lot A-1-A, Por. of Moloaa Hui Lands at Papaa, Kawaihau, Kauai (Papaa Road, Anahola)	Wagner Engineering Services, Inc. for Mandalay Properties Hawaii, LLC	4-9-06:5 & 11
OA-676	Rejected 01/12/99	Lot 6, File Plan 1820, Kawailoa Subdiv., Kawailoa, Oahu (61-171 Iliohu Place)	DJNS Surveying & Mapping, Inc. for Dominic Gattuso	6-1-13:08
OA-678	Rejected 01/12/99	Lot 16-G, Ld Ct App 242, Ewa Beach, Oahu, Oahu (91-243 Ewa Beach Road)	Rachel K. Haili for Rachel K. Haili	9-1-23:22
MA-199	Withdrawn 12/29/98	Lot 1 of the Hale Malia Subdiv, Being of Por of RP 6384, LCAw 4240, Ap 3 to Kau, Alaaloa, Lahaina, Maui (59 Hale Malia Place)	Akamai Land Surveying, Inc. for G.W. Maclaren	4-3-03:91

Conservation District Notices

JANUARY 23, 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 Conservation District Use Applications (Departmental Permits) 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

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 the DLNR staffperson listed below.



Removal of Existing Telephone Pole Line

File No.: CDUA HA-2908
Applicant: GTE Hawaiian Tel
Location: Hamakua, Hawaii
TMK: 4-4-16: 03 and 05
Proposed Action: Removal of 84 telephone poles, 25' high, anchors, guy wires, and cables
HRS 343 determination: Exempt
Applicant's Contact: Sandy Padaken, (808) 961-6561
DLNR Contact: Lauren Tanaka, 587-0385



Removal of Sand Loader

File No.: CDUA MO-2916
Name of Applicant: James D. Brennan c/o Alden Cornell
Location: Kaluakoi, Molokai
TMK: 5-1-6:por 156
Proposed Action: Demolition and removal of a sand loader
HRS 343 determination: Exempt
Applicant's Contact: James D. Brennan c/o Alden Cornell 552-2954 (Molokai)
DLNR Contact: Sam Lemmo at 587-0381

Department of Health Notices

JANUARY 23, 1999

Public Hearing on New Hazardous Waste Rules (Docket No. R-9-98)

Pursuant to sections 91-3 and 92-41, Hawai'i Revised Statutes, notice is hereby given that the Department of Health (DOH) will hold a public hearing to consider the proposed amendments to the State's hazardous waste rules (chapters 11-260 through 11-266, 11-268, 11-270, and 11-271 of the Hawai'i Administrative Rules) and the proposed adoption of two new chapters. The purpose of adopting these proposed rules is to seek authorization from the U.S. Environmental Protection Agency (EPA) to operate the State's hazardous waste program in lieu of the federal program. The existing chapters that are affected by the proposed amendments are as follows: Chapter 11-260 (General provisions); Chapter 11-261 (Identification and listing of hazardous waste); Chapter 11-262 (Standards applicable to generators of hazardous waste); Chapter 11-263 (Standards applicable to transporters of hazardous waste); Chapter 11-264 (Standards for owners and operators of hazardous waste treatment, storage, and disposal facilities); Chapter 11-265 (Interim status standards for owners and operators of hazardous waste treatment, storage, and disposal facilities); Chapter 11-266 (Standards for management of specific hazardous waste and specific types of hazardous waste management facilities); Chapter 11-268 (Land disposal restrictions); Chapter 11-270 (State administered permits: The hazardous waste permit program) and Chapter 11-271 (Procedures for decisionmaking).

The new proposed chapters are as follows: Chapter 11-273 (Standards for universal waste management); and Chapter 11-279 (Standards for the management of used oil).

The proposed amendments consist mainly of State analogues to federal hazardous waste amendments made between July 16, 1993 and May 25, 1998. The proposed amendments incorporate federal regulations virtually verbatim with few exceptions.

Copies of the proposed rules will be mailed at no cost to any interested person who requests a copy by calling the Hazardous Waste Section at (808) 586-4226. The draft rules can be found on the Internet at www.state.hi.us/doh/eh/shwb. Copies of the rules are also available at the following locations: **O'AHU** - DOH Solid and Hazardous Waste Branch (919 Ala Moana Boulevard, Room 212, phone 586-4226); **KONA** - DOH Environmental Management Division, 79-7595 Haukapila Street, Kealahakua, phone 322-7011); **HILO** - DOH Environmental Health Facility, 1582 Kamehameha Avenue, Hilo, phone 933-0917); **MAUI** - Maui District Health Office, 54 High Street, Wailuku, phone 984-8230; and **KAUAI** - Kauai District Health Office, 3040 Umi Street, Lihue, phone 241-3323. Due to budgetary constraints, only one public hearing will be held on Monday, February 8, 1998 at 2:00 P.M. at DOH, 919 Ala Moana Boulevard, 5th Floor Conference Room. All interested persons are invited to attend and state their views relative to the proposed rules either orally or in writing. For more information, please call 586-4226.

Home Depot U.S.A., Inc., Volunteer Response Project

The Hawai'i Department of Health invites you to a meeting to discuss a voluntary response project. Home Depot U.S.A., Inc., is planning to build a retail store in Honolulu on property known to be contaminated with petroleum products. In accordance with Hawai'i's Voluntary Response Program, the company is proposing to conduct a voluntary environmental project to address the contamination. The purpose of this meeting is to present information and discuss the environmental aspects of the project. **The meeting will be held on February 10, 1999 at Kapalama School, 1601 North School Street, Honolulu. At 6:00 P.M. there will be an**

informal open house discussion. At 7:00 P.M. there will be a 30 minute presentation. At 7:30 P.M. there will be public comments and questions. To receive a fact sheet about the project or to review project details, call Davis Bernstein at 586-4249. Project details may also be reviewed at the Liliha Public Library, 1515 Liliha Street. **WRITTEN COMMENTS WILL BE ACCEPTED THROUGH MARCH 1, 1999**, and should be sent to: VRP Coordinator, DOH, HEER Office, 919 Ala Moana Boulevard, Honolulu, Hawai'i 96814.

DOH Pollution Control Permits

JANUARY 23, 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	Applicant & Permit Number	Project Location	Pertinent Dates	Proposed Use
Clean Air Branch, 586-4200, Covered Source Permit	Kiewit Pacific Company, No. 0200-06-CT	Various locations in the State of Hawai'i - Initial location at corner of Kalaeloa Blvd., and Malakole Road, Kapolei Industrial Park, O'ahu	Comments Due: 02/11/99	200 TPH portable stone crushing, screening and recycling plant with 465 HP Diesel engine/100 kW generator.
Clean Air Branch, Covered Source Permit	Tesoro Hawaii Corporation, No. 0212-12-C	91-325 Komohana Street, Kapolei, O'ahu	Comments Due: 02/11/99	Gasoline loading rack
Safe Drinking Water Branch, UIC Permit	The Art Source, Inc., dba Pictures Plus, UO-1869	Pictures Plus Warehouse, 91-275 Hanua Street, Kapolei, O'ahu	Comments Due: n/a	Permit renewal and modification of one sewage disposal well.
Safe Drinking Water Branch, UIC Permit	U. S. Dept. of the Navy, No. UO-1995	Barbers Point Naval Air Station, Barbers Point, `Ewa, O'ahu	Comments due: n/a	Abandonment of six surface drainage wells
Safe Drinking Water Branch, UIC Permit	U.S. Dept. of the Navy, No. UO-1995A	Barbers Point Naval Air Station, Barbers Point, `Ewa, O'ahu	Comments due: n/a	Abandonment of one unregistered surface drainage well
Safe Drinking Water Branch, UIC Permit	Ball Metal Beverage Container Corporation, No. UO-1224	Hawaii Can Plant, 91-320 Komohana Street, Kapolei, O'ahu	Comments due: n/a	Permit renewal of three industrial wastewater disposal wells.
Safe Drinking Water Branch, UIC Permit	Association of Apartment Owners, No. UK-1938	Makahuena Resort, 1661 Pee Road, Poipu, Koloa, Kaua'i	Comments due: n/a	Permit renewal of one sewage disposal well

Environmental Council Agenda Items

To comply with the State's Open Meetings law (Chapter 92, HRS) and to allow the public adequate and timely notice of agenda items for its meetings, the Environmental Council requires items proposed for discussion or action to be received by mail, email or fax *before the close of business (4:30 P.M.) on the seventh working day (not counting State holidays) before the Council's meetings* (normally held on the second Wednesday of the month.) Any items received after the seventh calendar day before the meeting will not be included on the Council's agenda.

Morbillivirus Exposure to Hawaiian Monk Seals?

The National Marine Fisheries Service announced that its Honolulu Laboratory has requested an amendment to scientific research permit No. 848-1335, to conduct population and disease assessments, recovery actions, and pelagic ecology studies of the Hawaiian monk seal (*Monachus schauinslandi*) at all locations in the Hawaiian Archipelago and Johnston Island, through May 31, 2002. The amendment would allow the applicant to take an additions 100 monk seals for disease screening purposes and authorize the collection and export of blubber biopsies for toxicological assessment. Given the severity of morbillivirus and its known catastrophic impacts on other marine mammal populations, the amendment has been issued on an emergency basis. **WRITTEN OR TELEFAXED COMMENTS MUST BE RECEIVED ON OR BEFORE FEBRUARY 16, 1999** (see 64 F.R. 2631, January 15, 1999).

ing Home Port Facilities for Three NIMITZ-class Aircraft Carriers in California, Washington and Hawai'i, EPA expressed that "dredging ... and dredged material disposal issues ... need to be examined by EPA should the Navy decide to homeport a Nimitz-class carrier at Pearl Harbor, Hawaii" (see, 64 F.R. 1198, January 8, 1999).

Northwestern Hawaiian Islands Fishery, Mau Zone

The National Marine Fisheries Service is proposing a rule to implement Amendment 5 to the Fishery Management Plan for Bottomfish and Seamount Groundfish of the Western Pacific Region. Amendment 5 would establish a permanent limited access program for the Mau Zone Bottomfish Fishery in the Northwestern Hawaiian Islands. The intent of this action is to conserve a to support the long-term productivity of the bottomfish stocks by preventing the potential for

excessive harvest capacity and to improve the low economic returns in the fishery. For more information, call Mr. Alvin Katekaru in Honolulu at 973-2985. **COMMENTS MUST BE RECEIVED ON OR BEFORE FEBRUARY 22, 1999** (see, 64 F.R. 823, January 6, 1999).

EPA Speaks on Schofield WWTP and NIMITZ Class Aircraft Carriers Homeporting EIS

Pursuant to Section 309 of the Clean Air Act and Section 102(2)(c) of the National Environmental Policy Act, the U.S. Environmental Protection Agency (EPA) has expressed a "lack of objection" to the proposed NPDES and COE Section 404 Permit for Schofield Barracks Wastewater Treatment Plant. With respect to the draft EIS for Developing Home Port Facilities for Three NIMITZ-class Aircraft Carriers in California, Washington and Hawai'i, EPA expressed that "dredging ... and dredged material disposal issues ... need to be examined by EPA should the Navy decide to homeport a Nimitz-class carrier at Pearl Harbor, Hawaii" (see, 64 F.R. 1198, January 8, 1999).

Johnston Atoll Chemical Weapons Disposal, Public Meeting on Feb. 25

The U.S. Army has safely destroyed chemical weapons on Johnston Atoll since 1990. The Army wants to answer your questions and get your input concerning chemical weapons disposal operations at Johnston Atoll. Public availability sessions will be held on February 25 from 5 p.m. to 9 p.m. at the Kawanakoa Intermediate School in Honolulu. Representatives from the U.S. Army will be available to speak with you on a one-to-one basis. Brochures, fact sheets and other materials will be provided.

For more information, please call 1 (800) 488-0648.

Alien Species Permits

Mediterranean Fruit Fly Import Application

The following import application is being reviewed by the Hawaii Department of Agriculture (HDOA): Request to Establish Permit Conditions for the Importation of Temperature-Sensitive-Lethal (tsl) Genetic Sexing Strains of the

Mediterranean Fruit Fly, *Ceratitis capitata* (Diptera: Tephritidae), for Mass Rearing. The flies would be imported to initiate a mass rearing program of the fly in Hawaii for export to California. The flies would be used in California as part of a sterile-male-release control program for medflies. For more information, please call HDOA at 586-0844.

Shoreline Hardening Policy

JANUARY 23, 1999

Guidelines for Assessing Shoreline Alteration and Hardening Projects

It is the policy of the State of Hawaii under HRS Chapter 205A to discourage all shoreline hardening that may affect access to, or the configuration of, our island beaches.

Any Environmental Assessment prepared in conjunction with an application to construct a seawall, revetment or similar structure, or an activity that will alter in any way littoral processes affecting the shoreline, should be accompanied by appropriate justification and detailed studies including, but not limited to, the following:

1. Historical shoreline analysis of coastal erosion and accretion rates

This should include a description of all movements of the neighboring shoreline over at least the past 30 years. This analysis should be based, at least in part, on aerial photographs available through government agencies and private vendors. ¹ The analysis should provide a detailed history of erosion and accretion patterns using all available evidence. This analysis should include descriptions of shoreline erosion rates, a map (with scale, north arrow, and title) showing past positions of the shoreline in the project area, and an analysis of the causes of erosion. It is especially important to describe how the project will mitigate the cause(s) of erosion, and avoid exacerbating erosion on the adjacent shoreline.

2. Shoreline type

A description of the nature of the affected shoreline, whether sandy, rocky, mud flats or any other configuration. The history and characteristics of adjoining sand dunes, streams and channels, and reefs should be included.

3. Site maps

Submit maps with title, north arrow and scale, and photographs that clearly show the current certified shoreline, previous certified shorelines, the private property line and the location of the proposed structure. Any nearby public access right-of-way should also be depicted. Applicants should also include a color copy of a color vertical aerial photograph ² that shows the project area and the adjacent offshore region. The applicant may wish to identify important components of the project on the color photo. Color aerial photos exist for most of the shoreline area of Hawaii and often clearly show important geologic and geographic features that are critical to fully evaluating the environmental context, and even the likelihood of success, of a proposed project. Evaluation of an aerial photo of a project site can be an important tool yielding significant information relevant to the applicants planning efforts.

4. Beach profiles

Submit beach profiles that extend offshore at appropriate intervals along the beach indicating the width and slope of both the submerged and dry portions of the beach and showing major features of the beach. Profiles should extend from the mauka toe of the primary dune to the offshore depth of closure of profile fluctuations.³

5. Existing walls

Submit an analysis of any existing nearby walls or revetments and their cumulative impacts on the shoreline.

6. Description of improvements

A description of structures and improvements (such as homes or swimming pools) on the subject property, their distance from the property line and shoreline, how they may be affected by the construction of the proposed hardening project, and the specific feasibility of relocating them as a hazard mitigation activity.

7. Coastal hazard history

A coastal hazard analysis for the area in question. This should include any relevant coastal processes such as hazardous currents and seasonal wave patterns, including a description of the recent incidence of damaging high waves, high winds or water levels from storms, vulnerability to tsunami, and the best estimate of Base Flood Elevations and flood zone designation as mapped by the FEMA Flood Insurance Rate Maps.

8. Waves and currents

A description of the wave and current regime acting along the shoreline in question, including, a wave refraction analysis (one simple form of this analysis is to describe wave crest patterns as shown in an aerial photograph), a description of littoral currents and their seasonal patterns and the impact of the proposed activity on these patterns.

9. Sediment movement

If the proposed activity involves any action that may interfere with the normal pattern of sediment transport along the coast, or alter in any way the morphology of the shoreline or the resident sand volume, applicants must submit a description of these alterations and their impact on shoreline processes including an estimate of the annual volume of sediment in transport and seasonal patterns of transport, and whether these impacts may have any deleterious effects on neighboring shoreline segments.

Shoreline Hardening Policy

JANUARY 23, 1999

10. Thirty-year erosion hazard

An analysis that uses annual erosion rate data to project the location of the 30-yr erosion hazard zone as measured from the certified shoreline or vegetation line in the absence of any shoreline stabilization structures. This information should be provided in the form of a mapped line or zone, and accompany text descriptions. The analysis may be combined with items 1 or 3, or submitted independently.

11. Photographs

Eye-level (taken by an individual standing on the ground) photos of the site that illustrate past and present conditions and locate the proposed structure.

12. Alternatives

All alternatives to shoreline hardening should be thoroughly researched and analyzed. These alternatives should include beach and/or dune restoration using sand replenishment, retreat from the shoreline by moving existing structures inland, and a no action alternative.

13. P.E. Seal

The seal of a Professional Engineer (P.E.) with experience in the area of coastal engineering should be included with any technical plans for a shoreline hardening structure that accompany the application.

The inclusion of this information will help make an Environmental Assessment complete and meet the requirements of Chapter 343, HRS. Only after thorough study and analysis should any permit for shoreline hardening be considered.

¹ Aerial photographs may be obtained from Air Surveys Hawaii, Inc.; Towill, R.M., Corp.; City and County of Honolulu, Coastal Lands Program, Department of Planning and Permitting; DBEDT, Office of Planning; and the various planning and permitting departments in each county.

² Color vertical aerial photographs usually can be purchased at reasonable price from Air Surveys Hawaii, Inc.

³ Note: Please refer to U.S. Army Corps of Engineers Coastal Engineering Technical Notices II-31 (11/93), II-40, 3/98, and other relevant documents for guidance.

