

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"*

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JUNE 8, 1998

Two Ways to Stop Coastal Erosion

Kekaha Beach Nourishment

To stop the shoreline from receding along a beachfront residential lot at Kekaha Beach on Kauai, the owner proposes to replenish the beach with sand. The sand will be taken from deposits trapped inside Kikiaola Harbor which is located next to the project site. The harbor has prevented the sand from naturally moving along the shoreline and nourishing the beach in front of the homesite.

The sand will be trucked to the site and placed along the beach. After the initial nourishment, sand will be added to the beach periodically. When the beach has stabilized, the sand berm at the top of the beach may be vegetated to further control erosion. The full cost of the project will be borne by the homeowner.

Beach nourishment has been widely used on the mainland and is now being considered in Hawaii as a potential solution for our shoreline erosion problems. This "softer" nourishment approach provides a greater chance of preserving both coastal lands and beach resources. In contrast, shoreline "hardening" projects such as rock seawalls and revetments generally do more harm to beach resources. For more information see page 14.

How to Spend \$2 million to Improve Windward Water?

How can Koolaupoko streams and bays be made cleaner in the long run? Can volunteers do anything in the short run?

The Kailua Bay Advisory Council will hold three meetings to get public response to these questions:

- **KAILUA**, 6:30 - 8 p.m. Tuesday June 16 at the Enchanted Lake Elementary School cafeteria;
- **KANEOHE**, 6:30 - 8 p.m. Wednesday June 17 at the Ben Parker Elementary School cafeteria;

After-The-Fact Seawall

A home owner in Laie, Oahu, seeks after-the-fact approval for a sloping rock revetment built without government approval in 1989. According to the environmental assessment, the coastline in the area has eroded approximately 70 feet in the last 26 years. The revetment is as high as 8 feet and constructed of large, gravity-placed boulders. The narrow beach makai of the revetment changes slope seasonally. Public access to the beach is obstructed by revetments that have been placed by property owners on either side of this project. The few lots that remain unarmored in the area continue to erode.

Alternatives such as nourishing the beach or removing the revetment have been rejected. Instead, the owner plans to retain the existing boulder wall and encourage naupaka plants to continue to grow over it. Although the study states that the structure has led to the loss of public recreation and open space, it concludes that the revetment causes no significant environmental impacts.

The City Department of Land Utilization must accept the EA for this project prior to issuing a shoreline setback variance to the owner. A public hearing will be held. For more, see page 4.

- **WAIMANALO**, 6:30 - 8 p.m. Thursday June 18 at the Waimanalo Elementary/Intermediate School cafeteria.

At stake is how best to spend \$1.5 to \$2 million for improving water quality in Waimanalo, Kailua, and Kaneohe streams and bays. The money comes from a 1995 court settlement with the City.

People can also give input on problems in streams or bays by phoning or faxing to 259-5162, or e-mailing to "KBAC2@hotmail.com".

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 bulleting 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

JUNE 08, 1998

Draft Environmental Assessments



(1) Stubenberg After-the-Fact Seawall

District: Koolauloa
TMK: 5-5-02:77
Applicant: James A. and Lynne E. Stubenberg
55-321-C Kamehameha Highway
Laie, Hawaii 96762
Contact: James Stubenberg (526-0892)

Approving Agency/Accepting Authority: City and County of Honolulu
Department of Land Utilization
650 South King Street, 7th Floor
Honolulu, Hawaii 96813
Contact: Steve Tagawa (523-4817)

Consultant: Roland Ejercito, Jr. (841-5113)
P.O. Box 2681
Honolulu, Hawaii 96803

Public Comment

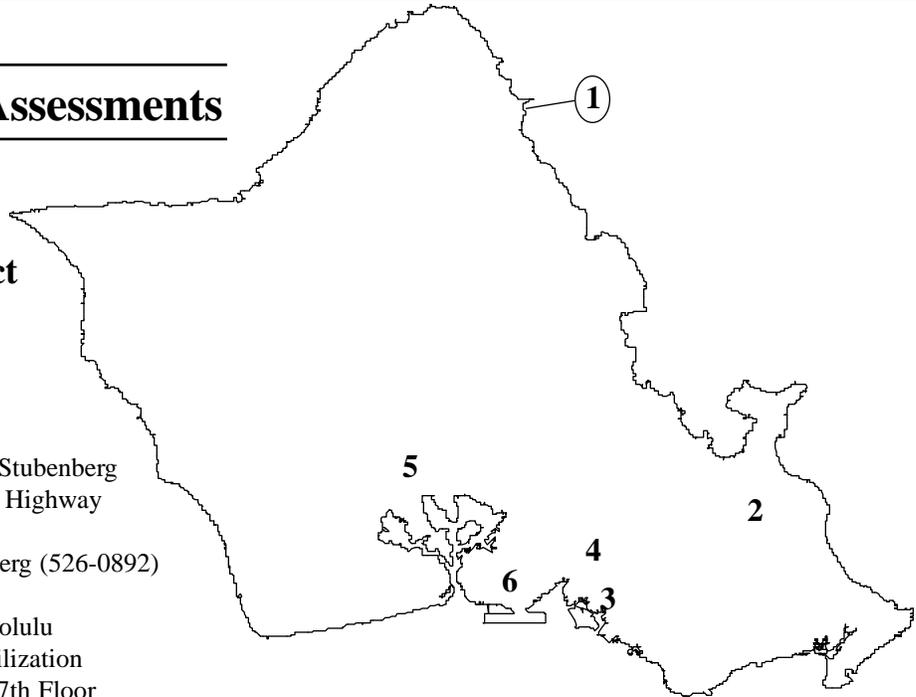
Deadline: July 8, 1998
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the approving agency or accepting authority, the consultant and OEQC.

Permits

Required: Shoreline setback variance

The applicants propose to retain a shoreline boulder revetment bordering the entire 40-foot makai (seaward) boundary of their single-family residential property located in Laie, Oahu. Ranging in height from 5 to 8 feet, the revetment consists of half ton armor and 150-200 pound filter stones. Also constructed within the shoreline setback area are a 6-foot high wood fence and wood stairwell leading down to the sandy beach.

Pursuant to Chapter 23, Revised Ordinances Honolulu (ROH), these improvements are prohibited from being built within 40 feet of the certified shoreline (as determined by the State of Hawaii) without first obtaining a Shoreline Setback Variance (SV). The subject project is situated at 55-321/C Kamehameha Highway, Laie, Oahu.



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



(2) Auloa Road 16-Inch Water Main

District: Koolaupoko
TMK: 4-2-014
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: Brooks Yuen (527-6180)

Consultant: R.M. Towill Corporation
420 Waiakamilo Road, Suite 411
Honolulu, Hawaii 96817-4941
Contact: Brian Takeda (842-1133)

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Required: CDUP, NPDES, construction dewatering, effluent discharge, noise, right-of-entry (DOT), CWRM

The Board of Water Supply (BWS), City and County of Honolulu, proposes to install a 16-inch water main within the Auloa Road right-of-way, in Maunawili, Oahu. The project site begins from the area of Castle Junction and continues east along Auloa Road for a distance of 4,100 linear feet. The work proposed involves replacement of an existing 12-inch main with a new 16-inch main. The existing 12-inch water main is aging and in need of replacement. The new main will ensure reliability of existing water service and permit future upgrades to the surrounding system.



(3) Hart Street Wastewater Pump Station

District: Honolulu
TMK: 1-5-34:6 and 1-5-34:21
Applicant: City and County of Honolulu
Department of Wastewater Management
650 South King Street
Honolulu, Hawaii 96813
Contact: Kumar Bhagavan, P.E. (527-5158)

Approving Agency/Accepting

Authority: City and County of Honolulu
Department of Wastewater Management
650 South King Street
Honolulu, Hawaii 96813
Contact: Kumar Bhagavan, P.E. (527-5158)

Consultant: Wilson Okamoto & Associates, Inc.
1907 South Beretania Street, Suite 400
Honolulu, Hawaii 96826
Contact: John L. Sakaguchi (946-2277)

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Required: NPDES, building, noise, dewatering permits

The City and County of Honolulu Department of Wastewater Management (WWM) is proposing to rehabilitate and to construct improvements to the Hart Street Wastewater Pump Station (WWPS). The proposed project site will encompass a total of 0.797 acres which consists of the

existing Hart Street WWPS, Tax Map Key 1-5-34:6, an area of about 0.568 acres, and an additional about 9,972 square feet (0.229 acres) of an adjacent parcel (TMK: 1-5-34:21) owned by the State of Hawaii and controlled by the Department of Transportation Harbors Division.

The proposed rehabilitation and improvements include constructing a new electrical building adjacent to the east, or Nimitz Highway, side of the existing pump station and constructing a new emergency generator building with underground fuel tanks. The proposed rehabilitation also involves installing new electrical switchgear and motor controls, installing new motors and drives, replacing the existing emergency generators, changing the operating voltage from 4160V to 480V, and dividing the wet well into three sections so that operations can continue during a maintenance activities. WWM plans are for construction and rehabilitation activities at the WWPS to occur after the Hart Street WWPS Replacement Force Main has been constructed and made operational.

The State-owned parcel will be permanently acquired by purchase in fee or by long-term lease to provide space for operational and maintenance areas, for maneuvering heavy equipment, for removing and replacing pumps, for accessing the back, or north side, of the WWPS, for storing motors, rotating elements, pump impellers, and emergency pumps, and for parking City-owned and personnel vehicles.

During the construction period, it will be necessary to have temporary access from the adjacent land currently controlled by the State of Hawaii Department of Transportation, Harbors Division. An area of about 1.0 to 1.5 acres of the makai adjacent parcel will be needed to stage material and equipment and to provide access to the wet well area of the WWPS.



(4) Kapalama Wells

District: Honolulu
TMK: 1-6-022:007
Applicant: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96843
Contact: Barry Usagawa (527-5235)

Oahu Notices

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Approving Agency/Accepting

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

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

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Pump installation & water use permits
Required: (CWRM), DP map amendment (city),
grading (city) & noise permits (DOH)

The City and County of Honolulu Board of Water Supply (BWS) proposes to develop two production water wells with pumps and appurtenances at an existing BWS site adjacent to the Makuakane Street entrance to the Kamehameha Schools campus. This facility will be located on an undeveloped 1.023 acre site that is approximately 3/8 mile mauka of the intersection of Likelike Highway and School Street. The project site is within an easement granted to the BWS from Bishop Estate. The proposed project includes the installation of 2 electric pumps, construction of a control building, and paving of an access road, and appurtenances. Only one well will be operation at a time, with the second well on standby. The wells are expected to produce approximately 2 million gallons of potable water per day.



(5) Waipahu Wells III Station

District: Ewa
TMK: 9-4-05:74
Applicant: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96813
Contact: Barry Usagawa (527-5235)

Approving Agency/Accepting

Authority: City and County of Honolulu
Board of Water Supply
630 South Beretania Street
Honolulu, Hawaii 96813
Contact: Brooks Yuen (527-6180)

Consultant: GMP Associates, Inc.
841 Bishop Street, Suite 1501
Honolulu, Hawaii 96813
Contact: Anna Lee (521-4711)

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits NPDES, CWRM, grading & building
Required: permits

The Honolulu Board of Water Supply (BWS) proposes to develop the Waipahu Wells III site to increase the water supply for the BWS 395' Waikele-Waipio system and the 228' low service water system. The proposed project involves the installation of five (5) 1,000 gpm pumps, ten (10) Granular Activated Carbon (GAC) water treatment units, a 50,000-gallon backwash tank, a control building, transmission mains, access road, landscaping, fencing, irrigation system, electrical equipment, drainage improvements, and appurtenances. Additional GAC units may be added in the future to centrally treat other Waipio source waters. In addition, the proposed project includes approximately 2,417 feet of new 24-inch transmission main along Kamehameha Highway; approximately 1,089 feet of new 16-inch transmission main along Lumiaina Street to convey water to be pumped from the proposed Waipahu Wells III station; and a new transmission main that will connect the Waipahu Wells II, 395' system to the Waipahu Wells I, 228' system along Lumiaina Street for transmission to the Leeward region via an existing 36" main along the H-1 Freeway.

The five pumps will have a total maximum pump capacity of 7.5 mgd. Additional pumping above the 2.657 mgd allocation is sized to accommodate peak demand and fire flows with one pump as standby. GAC treatment units are required to remove Ethylene Dibromide (EDB) which has been detected by water quality analyses performed by the BWS. GAC has an excellent adsorptive capacity for most organic and synthetic organic chemicals, such as EDB.

The proposed well site is situated on a relatively flat piece of abandoned pineapple land located on Kamehameha Highway, approximately one mile north of the Waiawa Interchange, and above the Waikele and Crestview subdivisions. The parcel (approximately 1.77 acres) is currently owned by Castle and Cooke Homes Hawaii, Inc., but the BWS intends to purchase the property in fee. Although short term construction impacts are expected from the proposed project, no significant impacts to the nearest surface waters or the aquifer are anticipated.

Construction of the proposed project is anticipated to commence in May of 1998 and cost approximately \$1.25 million for the new 24-inch and 16-inch transmission lines, and \$7.9 million for the proposed GAC contactors, pumps and backwash tank. The size, length and estimated cost of the transmission line to connect the Waipahu Wells II system to the Waipahu Wells I system will be determined by the BWS following further system analysis.

National Environmental Policy Act (NEPA)



(6) Hickam Air Force Base Construct 3800 SF Addition Facility 1335 (Draft Environmental Assessment/Draft FONSI)

TMK: 1-1-2:2
Applicant: Captain Mark Blake
15th Civil Engineer Squadron
75 H Street
Hickam AFB, Hawaii 96853-5233
Contact: MSgt Morris Hawley (449-1584 x 204)

Approving Agency/Accepting Authority: 15th Civil Engineer Squadron
75 H Street
Hickam AFB, Hawaii 96853-5233
Contact: Lt. Col. Linden Torchia (449-1660)

Public Comment Deadline: June 22, 1998

The 15th Air Base Wing is proposing the construction of a 3800 SF addition to the Youth Center, facility 1335. The addition to the facility is required to facilitate consolidation of three youth activities. The School Age Care Program, Kidsport Fun and Fitness Center, and the Gymnastics Center would be consolidated as a result of the addition. The School Age Care Program currently is located in the facility to be expanded, building 1335 and supports about 110 children during the school year and 240 children during spring, summer, and winter vacation periods. The Kidsport Fun and Fitness Center is located in facility 1399 and provides

physical fitness education to special needs children seven days per week. The Gymnastic Center is located in facility 1713 (scheduled for demolition) and operates six days per week supporting approximately 450 children ages 3-18.

The existence of the School Age Care Program in the Youth Center has virtually eliminated the ability to support special events and teen and pre-teen programs. One of the primary objectives to be achieved, through the consolidation, is the establishment of a Teen Center in facility 1399, upon relocation of the Kidsport Fun and Fitness Center to facility 1335. Teenage youths at Hickam are currently utilizing the Community Activities Center. This facility is located in close proximity to the dormitories. There is concern with the intermingling of teenage youth and young military members in this facility. By relocating the teen activity to facility 1399 the intermingling of teen youth and young military members in the Communities Activity Center would be eliminated.

The proposed action would involve construction of the 3800 SF addition, construction of interior walls, latrine facilities, and installation of required utilities to include air conditioning.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

King Street Apartments

Applicant: Hawaii Housing Development Corporation
725 Kapiolani Boulevard, Suite C-103
Honolulu, Hawaii 96813
Contact: Gary Furuta (596-2120)

Approving Agency/Accepting Authority: Housing Finance and Development Corporation
677 Queen Street, Suite 300
Honolulu, Hawaii 96813
Contact: Jan Takahashi (587-0528)

Public Comment Deadline: June 22, 1998

Oahu Notices

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Environmental Impact Statement Preparation Notices

🗺️ Honolulu Block J Redevelopment Project

Applicant: City and County of Honolulu
Department of Housing and Community
Development
650 South King Street
Honolulu, Hawaii 96813
Contact: Darwin Hamamoto (523-4360)

Approving Agency/Accepting

Authority: City and County of Honolulu
Planning Department
650 South King Street
Honolulu, Hawaii 96813
Contact: Patrick Onishi (523-4713)

Public Comment

Deadline: June 22, 1998

Draft Environmental Impact Statements

🗺️ East Kapolei Master Plan Development Project

Applicant: Housing Finance and Development Corpo-
ration
677 Queen Street, Suite 300
Honolulu, Hawaii 96813
Contact: Roy Oshiro (587-0640)

Approving Agency/Accepting

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

Public Comment

Deadline: June 22, 1998



Forest Stewardship Advisory Committee Quarterly Meeting

The State of Hawaii, Forest Stewardship Advisory Committee will hold its next quarterly meeting on Tuesday, June 9, 1998 at the Lyon Arboretum Visitor Center, 3860 Manoa Road in Honolulu.

The Committee will review the following submittals: 1) A proposal to establish an agroforestry project on 23 acres of degraded land near Lihue; 2) A proposal to reforest 28 acres of rangeland on eastern Molokai; and 3) A management plan to establish a 14 acre, mixed species forest on former sugar plantation land on the Hamakua Coast of the Big Island.

For more information, contact Karl R. Dalla Rosa, Forest Stewardship Coordinator, at 587-4174.

Draft Environmental Assessments



(1) Lahaina Visitor Center

District: Lahaina
TMK: 4-6-01:7 and 10
Applicant: Lahaina Town Action Committee
120 Dickenson
Lahaina, Hawaii 96761
Contact: Theo Morrison (667-9175)

Approving Agency/Accepting Authority: County of Maui
Office of the Managing Director
200 South High Street
Wailuku, Hawaii 96732
Contact: Richard Haake (243-7855)

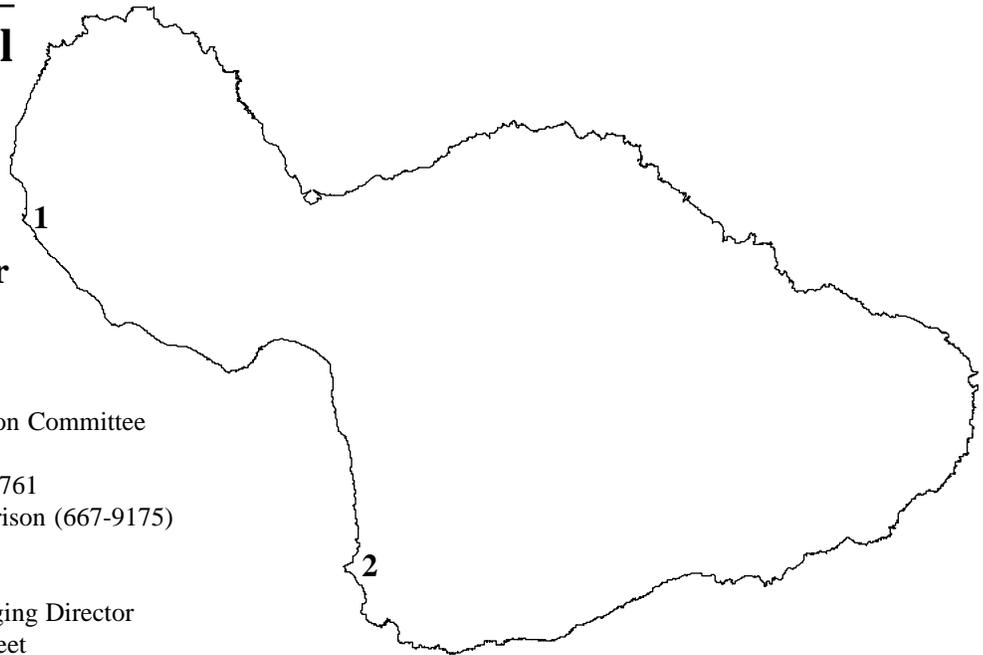
Consultant: Uwe Schulz (661-8317)
1022 Front Street
Lahaina, Hawaii 96761

Public Comment

Deadline: July 8, 1998
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: SMA Use permit, Maui County Historic District approval

The applicant is proposing the construction of the Lahaina Visitor Center/Restroom Complex. The proposed project will consist of an open air patio surrounded by a Visitor Information Pavilion and a Restroom Pavilion. The Visitor Information Pavilion will measure approximately 1440 square feet and the Restroom Pavilion will measure approximately 612 square feet. Both structures will be single-story. The Visitor Information Pavilion will include a retail area and office space for the Lahaina Town Action Committee. The Restroom Pavilion will include a women's restroom facility consisting of six (6) water closets and two (2) lavatories as well as a men's restroom facility which will consist of two (2) urinals, two (2) water closets, and two (2) lavatories. The "park-like" open air patio between the buildings will include park benches and landscape improvements. Landscape improvements will also be installed along the Front Street sidewalk.



The exterior building materials will be very similar to the Historic Baldwin House across the street and the Lahaina Library located immediately adjacent to the project site. The roof will be a simulated wood shake material and the walls will receive a cement plaster finish.

The proposed Visitor Center will continue to stock all visitor publications, event flyers, and historical brochures. The retail area will offer merchandise for sale which promotes Lahaina Town and will allow the Lahaina Visitor Center to be self sustaining.

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



(2) Makena Resort Wastewater Reclamation System

District: Makawao
TMK: 2-1-05:108; 2-1-08:108; 2-1-05:86 & 120; 2-1-07:68

Maui Notices

JUNE 08, 1998

Applicant: Makena Resort
5415 Makena Alanui
Kihei, Hawaii 96753
Contact: Roy Figueiroa (879-4455)

Approving Agency/Accepting Authority: County of Maui, Planning Department
250 South High Street
Wailuku, Hawaii 96793
Contact: Ann Cua (243-7735)

Consultant: R.M. Towill Corp.
420 Waiakamilo Road, #411
Honolulu, Hawaii 96817
Contact: Colette Sakoda (842-1133)

Public Challenge
Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Required: NPDES, SMA, SSUP, CP, CSUP, grading, building

Makena Resort Corporation (MRC) proposes to develop a wastewater reclamation system to meet the wastewater infrastructure demands of the planned development of Makena Resort. The proposed Makena Resort Wastewater Reclamation System (MWRS) will be a privately-owned facility, which includes a gravity collection system, three wastewater pump stations (WWPS "ML", "MP", and "MU") and force mains, a water reclamation facility, and an effluent disposal system. The primary effluent disposal method for the MWRS will be reuse through irrigation of golf courses. The back-up disposal method will be subsurface disposal. The back-up disposal method will only be used when wastewater effluent quantities exceed irrigation requirements, the irrigation system is not in operation, or the wastewater effluent does not meet the reuse criteria.

The sites for the pump stations range in area from approximately 9,000 square feet for WWPS "ML" to roughly 7,000 square feet for both "MP" and "MU". For ease of maintenance and repair, the force mains are proposed to be located within or along roadways. The site of the MWRF encompasses an area of approximately 13 acres. The facility will be comprised of a headworks facility, two aerated lagoons, a secondary clarifier, an effluent filter, an ultraviolet contact tank, an infiltration basin, an operations building, a control building, and system equipment such as pipes and blowers.

The reuse system will utilize existing reservoirs and a new backup disposal system to prevent overflows or discharges from the system when the irrigation system is not in operation or when wastewater effluent quantities exceed irrigation requirements. Treated effluent will be stored in an

existing lined irrigation reservoir with an approximate capacity of 8 million gallons.

Construction is expected to commence soon after receipt of necessary County of Maui and State of Hawaii permits and approvals, and will continue for approximately 18 months.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

📍 Mauka Water Bottling Facility and Associated Residential Lots

Applicant: Mauka Water Company, Inc.
P.O. Box 399
Makawao, Hawaii 96768
Contact: Jamie Hunter (572-9847)

Approving Agency/Accepting Authority: County of Maui
Planning Department
250 South High Street
Wailuku, Hawaii 96793
Contact: Clayton Yoshida (243-7735)

Public Comment
Deadline: June 22, 1998

Environmental Impact Statement Preparation Notices

📍 Ma'alaea Harbor for Light-Draft Vessels

Applicant: Department of Land and Natural Resources
Division of Boating and Ocean Recreation
333 Queen Street, Suite 300
Honolulu, Hawaii 96813
Contact: Howard Gehring (587-1966)

Approving Agency/Accepting Authority: Governor, State of Hawaii
c/o Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Public Comment
Deadline: July 10, 1998



Draft Environmental Assessments



(1) North Kohala Water System Improvements

District: North Kohala
TMK: Various
Applicant: County of Hawaii
Department of Water Supply
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Keith Okamoto (961-8660)

Approving Agency/Accepting Authority: County of Hawaii
Department of Water Supply
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Keith Okamoto (961-8660)

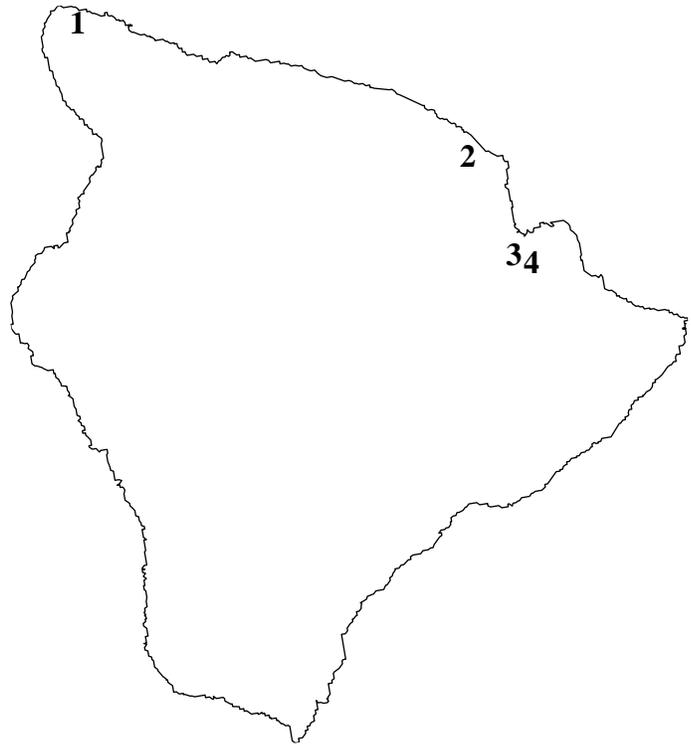
Consultant: M&E Pacific, Inc.
100 Pauahi Street, Suite 212
Hilo, Hawaii 96720
Contact: Edward Harada (961-2776)

Public Comment

Deadline: July 8, 1998
Status: DEA First Notice pending public comment. Address comments to the applicant with copies to the consultant and OEQC.

The County of Hawaii, Department of Water Supply is proposing to provide various improvements to its existing water system in North Kohala. The existing water system in the area was installed many years ago and is in need of replacement and improvement. The project will eliminate the tunnel sources at Watt, Bond, Hapahapai and Lindsey which are corrosive to the existing water distribution system. Other improvements are also proposed to improve water service to the community. These include:

1) Install solenoid control valve and telemetering requirements for the Halaula 0.10 MG Reservoir. 2) Install pressure reducing valve for the Halaula Reservoir system. 3) Install 1,200 linear feet of new 6-inch ductile iron pipe to



JUNE 08, 1998

Kynnersley Reservoir. 4) Replace 300 linear feet of existing 4-inch asbestos cement waterline with new 6-inch ductile iron water pipe within Kynnersley Road. 5) Replace existing 1-inch pressure reducing valve with 4-inch x 2-inch pressure reducing valve unit in Kynnersley Road. 6) Reconnect existing 6-inch water pipe from Maekawa pressure reducing valve to Kaauhulu No. 2 Reservoir. 7) Replace 1,150 linear feet of 6-inch asbestos cement pipe with 8-inch ductile iron pipe within the State Highway near Kynnersley Road. 8) Install 3,000 linear feet of parallel 8-inch ductile iron pipe within State Highway. 9) Replace 6,100 linear feet of existing 8-inch asbestos cement pipe with 8-inch ductile iron pipe within Kynnersley Road. 10) Replace 2,300 linear feet of existing 4-inch and 6-inch asbestos cement pipe with new 6-inch ductile iron pipe on Kynnersley Road makai of the State Highway toward Union Camp. 11) Eliminate Watt, Bond, Hapahapai and Lindsey Tunnel sources.

The nature and scale of the proposed action are such that no significant environmental effects are anticipated. Potential impacts, if any, can be mitigated through careful construction management practices and compliance with all governmental requirements including those of the State Depts. of Health and Transportation, State Historic Preservation Division and the County Dept. of Public Works.

Hawaii Notices

JUNE 08, 1998

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

(2) Island Dairy Long Term Lease for Dairying Purposes

District: North Hilo
TMK: 9-1-01:01, 02; 3-9-02:07, 08; 4-1-05:01; 4-1-01:06
Applicant: Island Dairy, Inc.
P.O. Box 2626
Kamuela, Hawaii 96743
Contact: Bahman Sadeghi (775-0284)

Approving Agency/Accepting Authority: Department of Land and Natural Resources
Land Division
P.O. Box 936
Hilo, Hawaii 96721
Contact: Charlene Unoki (974-6203)

Public Challenge
Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits: DOH wastewater management plan;
Required: county solid waste plan

Island Dairy is applying for long term lease for dairying purposes. The majority of the property will be for grazing of lactating and non lactating dairy cattle and the facility to milk, and conduct activities of a dairy farm. The total number of cattle will be approximately 800 heads and is estimated to increase to 1,200 in approximately 10 years. The proposed facility will be confined to approximately 10 acres located at the 1,400 foot elevation. There will be a milking barn and holding pen, milk processing room and milk loading bay, feed storage building, calf housing, free stalls, waste management system and ancillary infrastructures such as three phase power at the facility, improving and paving some of the existing roads, cross fencing of paddocks and a water system.



(3) Mohouli Street Extension

District: South Hilo
TMK: 2-3-40:14; 2-3-44:9; 2-3-47:9, 11, 12, 37, 38, 39, 40; 2-4-1:7, 122, 158; 2-4-24:1, 2, 47, 48; 2-4-73:9, 10, 33, 34; 2-5-6:1, 149; 2-5-17:1, 33; 2-5-18:1;
Applicant: County of Hawaii
Department of Public Works
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Ben Ishii (961-8327)

Approving Agency/Accepting Authority: County of Hawaii
Department of Public Works
25 Aupuni Street
Hilo, Hawaii 96720
Contact: Ben Ishii (961-8327)

Consultant: Okahara & Associates
200 Kohola Street
Hilo, Hawaii 96720
Contact: Bruce Meyers (961-5527)

Public Challenge
Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits: Wetlands, CZM, NPDES, Sec. 401,
Required: subdivision, grading, grubbing, stockpiling

The proposed project would extend Mohouli Street 2.13 km between Komohana Street (the eastern terminus) and Kaumana Drive (the western terminus) in Hilo, Hawaii County. The extension would provide an efficient, safe link between the growing Kaumana area and Komohana Street, which connects to the University and major shopping areas of Hilo. The project would also relieve traffic congestion from the intersection of Komohana Street and Waiuanuenue Avenue. Substantial improvements in safety levels, travel times, circulation efficiency and air quality would result. Adverse impacts include microscale air quality, traffic spillover onto adjacent streets, and construction-phase disturbance. Mitigation measures include separately planned and funded upgrades to intersections on adjacent streets, and conditions imposed as part of the Department of the Army Nationwide Permit for dredge and fill.



(4) Renew Hawaii Composting and Recycling Operations

District: South Hilo
TMK: 2-1-13:portion 11
Applicant: Renew Hawaii, Inc.
P.O. Box 11046
Hilo, Hawaii 96721
Contact: Andrea Alonzo (895-5665)

Approving Agency/Accepting Authority: Department of Land and Natural Resources
Land Division
P.O. Box 936
Hilo, Hawaii 96721
Contact: Charlene Unoki (974-6203)

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Required: DOH Permit by Rule to Operate a Small, Low-Impact Composting Facility

The subject property was formerly licensed to Jas W. Glover, Ltd. for the removal of rock and waste deposits for commercial use by mining. It expired on May 9, 1997. The site is near the Hilo Landfill, transfer station and other state quarry operations. It is presently fenced and gated with a concrete driveway leading into the "pit". The pit is cleared and flat and serves as a natural screening mechanism from drive-by traffic and deterrent for potential trespassing.

The applicant is applying for a month-to-month revocable permit for composting and recycling purposes. Applicant is contracted by the County of Hawaii to recover and divert green and wood materials from the Hilo Landfill and to serve as an educational vehicle for the public. Yard and plant trimmings, as well as land clearing materials would be simultaneously processed and sold as mulch and compost products.

Previously Published Projects Pending Public Comments

Draft Environmental Assessments

► Lucien Single Family Residence

Applicant: Kent T. Lucien
2038 Ualakua Street
Honolulu, Hawaii 96822
Contact: Kent T. Lucien (544-6130)

Approving Agency/Accepting Authority: Department of Land and Natural Resources,
Land Division
P.O. Box 621
Honolulu, Hawaii 96809
Contact: Lauren Tanaka (587-0385)

Public Comment

Deadline: June 22, 1998

► Vandertuin Single Family Residence

Applicant: Peter and Carol Vandertuin (802-464-2710)
Parsons Road
P.O. Box 892
Wilmington, VT 05363

Approving Agency/Accepting Authority: Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809
Contact: Lauren Tanaka (587-0385)

Public Comment

Deadline: June 22, 1998



Kauai Notices

JUNE 08, 1998

Draft Environmental Assessments

(1) Kikiaola Beach Sand Nourishment

District: Waimea
TMK: Adjacent to 1-2-13:35, 34, 31
Applicant: Ronald Beckenfeld
4470 Mamo Road
Kekaha, Hawaii 96752

Approving Agency/Accepting

Authority: Department of Land and Natural Resources
1151 Punchbowl Street, Room 130
Honolulu, Hawaii 96813
Contact: Sam Lemmo (587-0381)

Consultant: Warren Bucher (531-3017)
Oceanit Coastal Corporation
1100 Alakea
Honolulu, Hawaii 96813

Public Comment

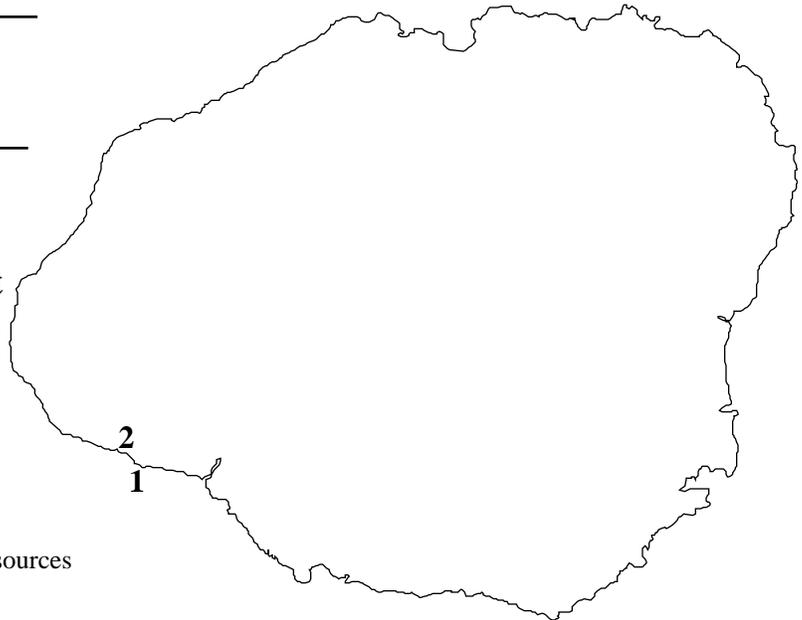
Deadline: July 8, 1998
Status: DEA First Notice pending public comment.
Address comments to the applicant with copies to the approving agency or accepting authority and OEQC.

Permits

Required: Shoreline setback variance, CDUP

Oceanit Coastal Corporation, on behalf of Mr. Ronald Beckenfeld, proposes to place sand in the beachfront area of three (3) lots to control severe erosion. One of the properties eroded 20 feet in the winter of 1997-98 and embankments on the properties will collapse if more high waves occur. A minimum of 6,900 cubic yards of sand will be required to stabilize the beach with some additional sand to be added over the next few years. The Department of Land and Natural Resources, Division of Boating and Ocean Recreation has offered an initial volume of 3,800 cubic yards of sand that is currently trapped inside Kikiaola Small Boat Harbor. The sand is restricting boat operations and needs to be removed. The landowner will transport the sand at no cost to the State.

Sand, which has been trapped in the harbor would normally move in the Kekaha direction. This proposal involves mechanical removal and movement of material (bypassing) to the downdrift side of the harbor.



The project has been coordinated with the Kauai County Planning Department which is processing a permit for activities within the Shoreline Setback Area and with the DLNR which is expediting a Conservation District Use Application for the project.

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

(2) Kekaha to Waimea Booster Pump Station

District: Waimea
TMK: 1-2-06:41
Applicant: County of Kauai
Department of Water
P.O. Box 1706
Lihue, Hawaii 96766
Contact: Ernest Lau (245-5408)

Approving Agency/Accepting

Authority: County of Kauai
Department of Water
P.O. Box 1706
Lihue, Hawaii 96766
Contact: Ernest Lau (245-5408)

Public Challenge

Deadline: July 8, 1998
Status: FEA/FONSI issued, project may proceed.
Permits Required: SMA permit

The County of Kauai, Department of Water proposes to construct, operate and maintain a potable water booster pump station on a 50 ft. by 50 ft. portion of the property identified as TMK: (4) 1-2-06:41 and within a portion of the adjacent Kaunualii State Highway Right-Of-Way. The proposed pump station site is located on the makai side of Kaunualii Highway between the towns of Kekaha and Waimea. The site is near the place locally referred to as the "Old Waimea Dairy."

The property is owned by the Kikiaola Land Company, Ltd. The DOW has obtained a Right-of-Entry agreement from the Kikiaola Land Co. to construct, operate, and maintain a booster pump station at the subject site. A Grant of Easement for the subject project will be made after the project is complete.

The proposed pump station consists of above and below ground piping, two pumping units, an above ground electrical enclosure, valves, fittings and other appurtenant equipment. The pump station area will be fenced to provide security. Landscaping will be used to minimize the visual impact of the project. Access to the project will be from Kaunualii Highway by way of an existing driveway.

The Kekaha and Waimea Water Systems are interconnected by a single 8-inch diameter pipeline. Water can flow between the two towns, however, the quantity of flow is restricted by the pipe diameter and system hydraulics. The proposed booster pump station is designed to provide the capacity to pump potable water between Kekaha and Waimea through the existing interconnecting pipeline.

Lihue Energy Service Center

In July 1997, the Kauai County Planning Department issued an Environmental Impact Statement Publication Notice for Kauai Electric's proposed Lihue Energy Service Center project. The announcement of this decision appeared in the July 23, 1997, edition of The Environmental Notice. Responses to its written request for comments and testimony at the voluntary public meeting Kauai Electric (KE) held on August 21, 1997, led the company to investigate possible alternate locations for the proposed facilities.

As a result of these investigations, KE has decided to include two alternate locations in the environmental impact statement for the project. One alternate site is located on industrially zoned land adjacent to the County's existing solid waste transfer station northwest of Lihue Airport. The second alternate site is located on agriculturally zoned land approximately 0.4 mile north of DeMello Reservoir along one of Lihue Plantation's main cane haul roads.

Kauai Electric held an informal town meeting on May 6, 1998, to describe the alternate sites and to seek public comment. KE will incorporate information obtained at the meeting and through environmental impact analyses of all three sites in the Draft EIS. It expects to complete the DEIS this fall. Persons wishing additional information should contact Mr. Perry White at Planning Solutions, Inc., 593-1288.

Shoreline Notices

JUNE 08, 1998

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
HA-196	05/15/98	Parts of RP 7845, LCAw 7715, Ap.13 to L. Kamehameha, Puaa 1, N. Kona, Hawaii (75-5828 Kahakai)	Wes Thomas Associates for Alanui Enterprises	7-5-09:14 & 16
MA-196	05/11/98	Lots 5 & 6, Kahana Sunset Beach Lots, Alaeloa, Honokeana, Kaanapali, Lahaina, Maui (5177 Honoapiilani Highway)	Valera, Inc. for Mr & Mrs. Robert Nelson	4-3-07:5

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, HI 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-670	05/27/98 Certified	Lot 4, Haleaha Beach Lots, Haleaha, Koolauloa, Oahu (53-519 Kamehameha Highway)	Hawaii Land Consultants for Lorene Godfrey	5-3-06:24

Land Use Commission Notices



Makena Resort

The Findings of Fact, Conclusions of Law, and Decision and Order for the following boundary amendment petition has been filed by the Land Use Commission:

Docket No.: A97-721
 Petitioner: Makena Resort Corporation
 Location: Makena, Maui, Hawaii
 Acreage: 145.943 acres
 TMK: 2-01-05:83, 84, 85 and por. of 108; 2-1-07:4; 2-1-08: por. 90
 Request: Reclassification from Agricultural to Urban
 Decision/Order
 Date: February 19, 1998

If you would like further detailed information on this matter, please contact:

State Land Use Commission

Location Address

Leiopapa A Kamehameha Building
 235 S. Beretania Street, Room 406
 Honolulu, Hawaii 96813

Mailing Address

P.O. Box 2359
 Honolulu, Hawaii 96804-2359

Phone: 587-3822

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:

Rick Egged
Director
Office of Planning
Department 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) Establishment of Bank/Area-Specific Harvest Guidelines for the Northwestern Hawaiian Islands Lobster Fishery

Federal Agency: Western Pacific Regional Fishery Management Council; Phone 522-8220

Federal Action: Direct Federal Activity

Location: Northwestern Hawaiian Islands

Proposed Action:

The Western Pacific Regional Fishery Management Council is proposing to establish bank/area-specific harvest guidelines for the Northwestern Hawaiian Islands (NWHI) lobster fishery. For the 1998 NWHI lobster fishery the council proposes the following guidelines: 70,000 lobsters from Necker Island; 80,000 lobsters from Maro Reef; 20,000 lobsters from Gardner Pinnacles; and 116,000 lobsters from all the other remaining NWHI banks. This decision is based on an understanding that the National Marine Fisheries Service has determined the harvest guideline for the 1998 NWHI lobster fishery to be 286,000.

Comments Due: June 22, 1998

(2) Kahului Harbor Barge Terminal Improvements

Applicant: State Department of Transportation, Harbors Division
Contact: Mr. Fred Pascua, Project Engineer; 587-1958

Consultant: Sato & Associates, Inc.

Federal Agency: U.S. Army Corps of Engineers
Contact: Ms. Lolly Silva; 438-9258, ext. 17

Federal Action: Department of the Army Permit

Location: Kahului Harbor

TMK: (2) 3-7-10:3

Proposed Action:

The proposed work requiring a Department of the Army Permit includes removal of a portion of Pier 2 and cutting at the mud line and abandoning in place approximately 87 piles. Pier 2 strengthening will include the installation of precast concrete planks over 100 new octagonal piles. The new strengthened pier will be able to accommodate higher forklift loads and handle larger barges.

Comments Due: June 22, 1998

Tentative Marine and Coastal Zone Management Advisory Group (MACZMAG) 1998 Meeting Schedule

July 1998: Friday, July 17, 1998
Location to be announced

September 1998: Friday, September 18, 1998
Location to be announced

November 1998: Friday, November 20, 1998
Location to be announced

Pollution Control Permits

JUNE 08, 1998

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
CAB, 586-4200, Noncovered Source Permit	Cyanotech Corp., # 0291-02-N (Amend.)	73-4460 Queen Kaahumanu Highway, Kailua-Kona, Hawaii	Issued: 5/14/98	Three Diesel Engine Generators with Packed Tower Scrubber
CAB, Noncovered Source Permit	U.S. Navy, # 0114-02-N	Naval Station, Barbers Point, Oahu	Issued: 5/18/98	Three Diesel-Fired Boilers
CAB, Noncovered Source Permit	Wilcox Memorial Hospital, # 0320-01-N	3420 Kuhio Highway, Lihue, Kauai	Issued: 5/15/98	Diesel Engine Driven Chiller, Boiler, and Pathological Waste Incinerator
CAB, Noncovered Source Permit	U.S. Navy, # 0114-02-N	Naval Station, Barbers Point, Oahu	Issued: 5/18/98	Three Diesel-Fired Boilers
CAB, Noncovered Source Permit	MacFarms of Hawaii, # 0388-01-N	89-406 Mamalahoa Highway, Captain Cook, Hawaii	Issued: 5/26/98	9 MMBTU/Hr Macadamia Nut Shell-Fired Steam Boiler
CAB, Covered Source Permit	Lanai Company, Inc., # 0394-01-C	Manele Bay Quarry, Lanai	Issued: 5/26/98	300 TPH Stone Processing Plant w/Two Diesel Engine Generators (DEG); Rock Sawing Plant w/ DEG; and Batch Concrete Batch Plant w/DEG
Clean Water Branch, 586-4309, Water Quality Certification	Honolulu Department of Public Works, # 98-CW-WQC-6	Mapunapuna Drainage System, Ahua/Kilihau Street, Honolulu, Oahu	Comments Due: 6/15/98	Install Fiber Glass Flap Valves at the Outlet of Drainlines

Honolulu Designated As Port for Importation/Exportation of Antarctic Flora or Fauna

The city of Honolulu will be one of thirteen ports for the importation/exportation of flora and fauna from Antarctica in rule proposed by the National Science Foundation. Comments on the proposed rule must be received on or before **AUGUST 3, 1998**, by Anita Eisenstadt, National Science Foundation, 4201 Wilson Boulevard, Room 1265, Arlington, Virginia 22230. For more information call Ms. Eisenstadt at (703) 306-1060 (see, 63 F.R. 29963, June 2, 1998).

Migratory Birds Proposed Supplemental Rule

The U.S. Fish and (FWS) is proposing rules for the hunting of birds in Hawai'i, Rico and the Virgin Is- 1998-99 season. Com- received on or before by (see, 63 F.R. 29518, May 29, 1998, for details).

Wildlife Service supplemental certain migratory Alaska, Puerto lands for the ments must be **JULY 27, 1998**

Marine Mammals

Moana Productions Inc., has requested an amendment to its commercial photography permit (Permit No. 867-1388) for delphinid cetaceans in Hawai'i and North Carolina. Comments must be received on or before **JUNE 29, 1998**. For more information, call Trevor Spraldin at (301) 713-2289 (see, 63 F.R. 29182, May 28, 1998 for details). Also, the Southwest Fisheries Science Center in Honolulu has requested an amendment to research permit No. 848-1335; comments must be received on or before **JUNE 22, 1998** (see, 63 F.R. 28360, May 22, 1998, for details).

Changes in Flood Elevation Determinations for Maui

Effective **OCTOBER 27, 1997**, the Federal Emergency Management Agency (FEMA) has finalized the modified base (1% annual chance) for various areas on Maui (see, 63 F.R. 28268, May 22, 1998, for details).

Letters of Notice

JUNE 08, 1998

OEQC prints "Letters of Notice" to encourage public participation in our EIS system. Your views are welcome. We may edit letters due to limited space. The opinions presented do not necessarily reflect those of OEQC.

Pacific Missile Range Facility Enhanced Capability

The following are excerpts of a letter by Michael Jones of the University of Hawai'i concerning the Pacific Missile Range Facility Enhanced Capability Draft EIS.

Alternatives

The DEIS makes no comparison of the impacts of theater missile defense (TMD) tests near PMRF with those at the Kwajalein Missile Range (KMR) or at the Eglin Gulf Test Range (EGTR). KMR was one of the sites selected in the 1994 TMD Extended Test Range EIS. The Feb. 1998 Theater Missile Defense Extended Test Range Supplemental EIS (TMDETR SEIS) examines impacts at EGTR. Doesn't NEPA require consideration of these alternatives, which seem to be sufficiently "reasonable" that they have been considered in other EIS documents? Even if Congress continues to mandate that PMRF be the primary range for testing NAVY TMD systems, alternatives to PMRF and Niihau need to be considered for tests of land-based interceptors.

Missiles to be launched at different sites

The DEIS does not indicate which missiles would be launched at the different potential launch sites. This information is important to evaluate the adequacy of the ground hazard area (GHA) at each site and treaty compliance. For example, Niihau, Tern Island, and Johnston Atoll are not among the currently-allowed research and development launch sites for missiles with ranges exceeding 500 kilometers.

Ground Hazard Areas

The final EIS needs more detailed discussion of how the GHA radii were determined -- particularly because they range from 2,000 feet at Tern Island to 20,000 feet at Niihau. No justification is given for the different GHA radii (8,000 and 10,000 feet) for the two islands at Johnston Atoll; both of these radii are smaller than the nominal GHA radius for the Hera missile, which was developed to launch targets with a range adequate to go from Johnston to PMRF. . . . The final EIS should indicate which missiles were used to determine the GHA radii and how quickly the Range Safety Officer needs to send the signal to the flight termination system so

that debris from an off-course flight will be contained within the GHA at each potential launch site.

Missile reliabilities

The DEIS contains no information about the failure rates of the missiles that would be used. The final EIS should include this information and estimate the probability of a launch failure for the tests over the 30-year period being used to estimate cumulative impacts. Publicly-available information indicates 1 Hera failure (in the 8th test on 17 Nov. 1997) in 8 launches. Results from flight tests of Minuteman II and III missiles and more recent launches of refurbished Minuteman I missiles indicate a reliability of about 85%.

Lead contamination in soil

The DEIS mentions (pages 4-27, 4-41) that soil samples near the Vandal launch pad and some KTF launch sites show lead contamination due to past missile launches. The DEIS asserts that, "Lead levels at both locations were determined not to represent a public or worker health and safety risk." The DEIS does not indicate who made this determination and on what standards it was based.

Compatibility of missile launches in wildlife refuges

The final EIS should contain a statement from agencies responsible for the Hawaiian Islands and Johnston Atoll National Wildlife Refuges indicating whether the proposed launch and instrumentation sites are compatible with the purpose of these refuges.

Neighbor Island Training Classes - FREE!

Hawaii's Environmental Review System

The law (HRS 343) and rules (HAR 11-200) --- recent changes and a new guidebook
In-Service Training for Agency Planning Staff and the Public

WHO?

Who should attend this training session?

- * Agency planners involved with preparing or processing environmental assessments or impact statements
- * Policy makers concerned with the environmental review system
- * Private sector planning staff and environmental consultants
- * Members of the public interested in monitoring the environmental impacts of projects in Hawaii

WHEN and WHERE?

Kauai: Friday, July 10

Place: Kauai War Memorial Convention Hall
Exhibit Room B
4191 Hardy Street, Lihue
Time: 10:00 a.m. - 12 noon

Maui: Thurs., July 16

Place: Planning Department Hearing Room,
1st Floor, Kalana Pakui Building
250 S. High Street, Wailuku
Time: 9:00 a.m. - 11:00 a.m.

WHY?

Issues to be addressed in Training Sessions

- * Purpose and history of the Environmental Review System
- * How recent revisions to the EIS rules affect agencies and the public
- * Overview of the new Guidebook for the Hawaii Environmental Review System
- * New guidance documents for environmental reviews on the following issues
 - water well development
 - assessing cultural impacts
 - studying impacts caused by seawall construction
 - biological assessments
 - environmental building design
- * Recent and planned improvements to the Environmental Notice
 - How to place your organization's announcement in the Notice for FREE!
- * New requirements prior to publishing documents in the Environmental Notice
- * The Environmental Report Card and how to use it
- * How to save money and time by using the OEQC web page
- * Changes to state law from this year's legislature
- * Agency Exemption lists - Is your agency list outdated?
- * Recent lawsuits and new case law affecting HRS 343



**Registration form: Fax to OEQC at (fax) 586-4186 or mail to
235 S. Beretania St., Ste. 702, Honolulu, HI 96813**

Name/Organization _____

Address _____

Phone # _____

Fax # _____

Training Session Date requested: _____

Please list items or issues you would like OEQC to address in the training session

1. _____
2. _____
3. _____
4. _____