



ENVIRONMENTAL QUALITY COMMISSION

550 HALEKAUWILA ST., ROOM 301, HONOLULU, HAWAII 96813 PH: (808) 548-6915

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No. 20

REGISTER OF CHAPTER 343, HRS DOCUMENTS

EIS PREPARATION NOTICES

The following proposed actions have been determined to require environmental impact statements. Anyone can be consulted in the preparation of the EIS's by writing to the listed contacts. 30 days are allowed for requests to be a consulted party.

KAHAUALE'A GEOTHERMAL PROJECT, PUNA DISTRICT, HAWAII, The Trustees of the Estate of James Campbell in Coordination with the True/Mid-Pacific Geothermal Venture/Dept. of Land and Natural Resources

The objective of the proposed project is to develop the geothermal resources within Kahauale'a. An EIS is required in support of a Conservation District Use Application (CDUA) and a Geothermal Mining Lease Application by The Trustees of the Estate of James Campbell, fee owner and prospective geothermal mining lessee of the land of Kahauale'a and adjacent Campbell Estate property. The initial objectives of this project are to prove the existence of a geothermal resource, its characteristics, and whether it can be economically produced from the area of discovery and marketed. Subsequent exploration and development, in parallel with market development, will help determine the extent of the producible resource underlying Kahauale'a, the rate of development and whether the planned scope of the project can be realized. The project is located in the Puna District of the Big Island, TMK:1-1-01, Parcel 1 and 1-2-08, Parcel 1. The Kahauale'a ahupua'a is adjacent to the Hawaii Volcanoes National Park and extends downslope from the Volcano to the ocean shoreline by Queen's bath near Kalapana.

Contact: Campbell Estate
Public Affairs Office
828 Fort Street Mall, Suite 500
Honolulu, Hawaii 96813
Telephone: 536-1961

Deadline: November 22, 1981.

MAKAWAO-KULA WATER TREATMENT PLANTS, MAKAWAO AND KULA, MAUI, County of Maui, Dept. of Water Supply

The Department of Water Supply, County of Maui, proposes the construction of three water treatment plants for the Makawao and Kula water systems, to meet the requirements mandated by the Federal Safe Drinking Water Act. The treatment plant sites will be located near the Kamole Weir (Wailoa Forebay), and Olinda and Piiholo reservoirs. The plant near Kamole Weir will primarily serve the Makawao service area and provide water to the Kula service area during drought conditions; the plant near Olinda Reservoir will primarily serve the Upper Kula service area; and the plant near Piiholo Reservoir will serve the Lower Kula service area. The proposed water treatment facilities will utilize various types and combinations of treatment units to achieve the desired water quality. The selection of these unit processes depends upon the type and amount of contaminants in the water, as determined by pilot testing.

Contact: Mr. William S. Haines, Director
Department of Water Supply
County of Maui
P.O. Box 1109
Wailuku, Hawaii 96793
Telephone: (808) 244-7835

Deadline: November 22, 1981.

KAKA'AKO COMMUNITY DEVELOPMENT DISTRICT
PLAN, KAKA'AKO, OAHU, Hawaii Community
Development Authority

600 Ala Moana Blvd., Suite 318
Honolulu, Hawaii 96813
Telephone: 548-7180

The Hawaii Community Development Authority (HCDA) was created by Act 153 of the 1976 session of the State Legislature as a public corporation for the purpose of long-range community planning and development. Kaka'ako is the first Community Development District designated for improvement by the Hawaii State Legislature. The HCDA has taken a methodical approach to planning for Kaka'ako. During fiscal year 1977-78, the planning strategy was developed. Beginning in mid-1978, research was conducted on the physical, cultural, and economic resources and systems of the study area. Phase I consisted primarily of data collection and Phase II consisted of analysis for the purpose of defining capacities for and constraints on development of Kaka'ako. The HCDA has nearly completed Phase III of the planning process. During this phase, two consultant teams developed a total of twelve plan variations for Kaka'ako. The twelve plan variations are presented at public hearings on August 11 and 13, 1981. On the basis of public comments and further analysis by the consultants and the HCDA, the plan variations are now being narrowed down. The draft Kaka'ako Community Development District Plan (or "Plan Draft") will encompass the best and most compatible features of the plan variations using the most realistic implementation strategy. The Plan Draft will cover a developmental time frame of approx. 25 years, and will comprise the "proposed project" in the forthcoming EIS. This EIS will be prepared to satisfy the content and procedural requirements of federal environmental laws, as well as Chapter 343, HRS, in anticipation of Federal funding and permit approval at a later stage in the project. Although a Federal lead agency has not yet been identified, appropriate agencies will be invited to participate in the EIS process, so their concerns can be addressed.

Contact: Mr. Raymond H. Suefuji
Executive Director
Hawaii Community Development
Authority

Deadline: November 22, 1981.

KANEOHE-KAILUA WASTEWATER FACILITIES PLAN,
KANEOHE-KAILUA, OAHU, Dept. of Public Works,
City and County of Honolulu

Previously reported October 8, 1981.

Contact: Dennis Kaneshiro
Division of Wastewater Management
Department of Public Works
City and County of Honolulu
650 South King Street
Honolulu, Hawaii 96813
Telephone: 523-4067

Deadline: November 7, 1981.

REZONING REQUEST FROM AG-1 AND P-1 TO A-1,
MILILANI TOWN, EWA, OAHU, Mililani Town,
Inc./Dept. of Land Utilization, City and
County of Honolulu

Previously reported October 8, 1981.

Contact: Gene Ferguson
Mililani Town, Inc.
130 Merchant Street
Honolulu, Hawaii 96813
Telephone: 548-4811

Deadline: November 7, 1981.

WAIANAE AGRICULTURAL PARK, WAIANAE, OAHU,
Dept. of Agriculture

Previously reported October 8, 1981.

Contact: Mr. Seiko Shiroma
Department of Agriculture
1428 South King Street
Honolulu, Hawaii 96814
Telephone: 548-7137

Deadline: November 7, 1981.

NEGATIVE DECLARATIONS

The following are Negative Declarations or determinations made by proposing or approving agencies that certain proposed actions will not have significant effects on the environment and therefore do not require EIS's (EIS Reg. 1:4p). Publication in the Bulletin of a Negative Declaration initiates a 60-day

period during which litigation measures may be instituted. Copies are available upon request to the Commission. Written comments should be submitted to the agency responsible for the determination (indicated in project title). The Commission would appreciate a copy of your comments.

KAUAI

EXPERIMENTAL GAME FOOD PLANTINGS WITHIN KEKAHA GAME MANAGEMENT AREA AND PUU KA PELE FOREST RESERVE, KEKAHA, KAUAI, Dept. of Land and Natural Resources, Division of Forestry and Wildlife

The establishment of ten experimental game food planting sites is proposed. Each site will consist of an area approx. two acres in size. Three test plots will be established within Puu Ka Pele Forest Reserve reforestation stands, and seven plots will be established within Kekaha Game Management Area. Two plots are located at each 500 ft. elevation contour between 1,000 ft. and 3,000 ft. to test plant survival within various edaphic and elevation situations. A total of eight plant species have been chosen for trial establishment. Four of the species are native and four are exotic, all of which are considered potentially valuable for game food production. The plant test sites are located within areas previously cleared, either for noxious shrub control or reforestation. No site preparation is planned except for hand scalping the soil for the direct seeding trials. Follow up surveys will be made to determine species survival at the various test plots. The project area is State land, part of which is within the Puu Ka Pele Forest Reserve, and the remainder within a lease parcel that is held by Kekaha Sugar Co. Ltd., for range cattle pasturage. The Division of Forestry and Wildlife manages public hunting within the leased area by cooperative agreement with Kekaha Sugar Co. Ltd. Game habitat development, including game food planting, is an acceptable practice identified within the cooperative agreement.

HANALEI REFUSE TRANSFER STATION, HANALEI, KAUAI, Dept. of Public Works, County of Kauai.

Kauai County Department of Public Works proposes to replace the existing Princeville Sanitary Landfill with a refuse transfer station. The objectives of the project are to provide and ensure the safe, sanitary,

efficient, and economical handling of refuse from the Hanalei District to a central solid waste processing facility near Lihue. The study basically involves locating a suitable refuse transfer station site which will provide facilities for direct transfer of solid wastes from smaller collection vehicles to bulk haulers, and permit subsequent transport to the central disposal facility. Twelve potential refuse transfer station sites were initially selected and evaluated. After conducting a public information meeting on November 20, 1979 the number of sites were reduced to six on the bases of testimony received and discussions with the Kauai Department of Public Works. A report was prepared in May 1980 and presented the results of evaluations made for the six sites. Subsequently, in February 1981, Princeville suggested another site. This seventh site was determined to be the best site. This report describes the locations, physical characteristics, and environmental considerations related to the final seven sites selected for further evaluation.

SMALL COMMERCIAL BOAT FACILITIES AT NAWILIWILI HARBOR, KAUAI, JOB H.C. 7113, Dept. of Transportation, Harbors Division

The area is located offshore in Nawiliwili, just north of the entrance to Nawiliwili Boat Harbor, and is approx. 1.5 miles south of the town of Lihue on the island of Kauai. Nawiliwili Harbor is the principal port on Kauai and supports recreational boating, commercial harbor operations, and light industrial activities. The harbor is served by county and state roadways and is provided with electricity, water, telephone service, drainage, and sewerage. The proposed project consists of constructing approx. 270 ft. of sheet pile wall, dredging, and filling back of the wall to straighten the shoreline at the innermost portion of the existing harbor. The project also consists of installing 12 mooring buoys to replace the existing moorings in the vicinity which are haphazardly arranged. With the completion of the proposed project, the facility will be greatly upgraded.

OAHU

EXPANSION OF ETV PRODUCTION BUILDING, HONOLULU, OAHU, Dept. of Accounting and General Services

The proposed project will involve the construction of a 4,500 sq. ft. addition to the ETV Production Building at the corner of University Ave. and Dole Street. The project will improve the quality and quantity of programs for broadcast to the public and will also reduce the operating cost of the agency. Estimated cost of construction is \$935,000.

PUNCHBOWL 180' RESERVOIR OVERFLOW LINE, HONOLULU, OAHU, Board of Water Supply, City and County of Honolulu

The Board of Water Supply, City and County of Honolulu proposes to install approx. 600 lineal ft. of 18-inch reinforced concrete drain pipe and appurtenances, leading from its Punchbowl 180' reservoir to a drainage catch basin on Magellan Street. The proposed installation is to occur in one continuous section along Frear Street and Dole Park. As proposed, the drain line will transmit overflow water from the reservoir's existing spillway which presently discharges into the neighborhood garden plots and Dole Park below. The project site is located in the Punchbowl district and is approx. 1/2 mile east of downtown Honolulu. Situated on the slopes of Punchbowl, the site overlooks the H-1 Freeway and borders Dole Park. A portion of the project site will be located within Dole Park, a City and County of Honolulu facility.

MAUI

KULA AGRICULTURAL PARK, KULA, MAUI, County of Maui Dept. of Economic Development

Previously reported November 8, 1978. This negative declaration is being resubmitted due to the reduction in scope of the proposed agricultural park and the findings relative to the location of the Pulehu Heiau.

The County of Maui proposes to develop a 451.6 acre agricultural park at Omaopio, Kula, Maui, to be leased to qualified applicants for intensive agriculture (primarily truck crops). The parcels of land proposed for use are identified as TMK:2-3-02 parcel 6 and 2-3-02 parcel 7, lot B. Parcel 6 is 326.6 acres in size, and is currently owned by Maui Pineapple Company, Ltd. Parcel 7 encompasses approx. 125 acres and

is currently owned by Haleakala Ranch Co. The project area is located approx. 2.2 kilometers west of Kula Highway. It is bounded on the north by Pohakuokala Gulch and pineapple fields cultivated by Maui Land and Pineapple Company; on the east by Haleakala Ranch Land; on the south by Pulehu Road; and on the west by grazing land.

Preliminary plans indicate that the County will develop a total of 31 lots, exclusive of roadways. The lots will range in size from 10 acres to 35 acres, depending upon the location and proposed use. Development of the parcel will include the construction of roadways and utilities, including water, electricity and drainage. Three storage reservoirs will be constructed to provide adequate water storage resources. The negative declaration published on November 8, 1978 indicated that the Pulehu Heiau was situated within the boundary of the proposed agricultural park. Due to the scale-down of the area to be covered by the project, the Heiau will not be in the confines of the agricultural park.

LANAI

RENOVATION AND EXPANSION TO THE EXISTING LANAI SENIOR CITIZENS CENTER, LANAI CITY, LANAI, County of Maui, Dept. of Human Concerns

The proposed project consists of a 1,204 sq. ft. addition and the removal of an existing attached office/storage room. The expanded area will be used for a meeting hall; 2 craft areas; an office/storage room; enlarged and renovated kitchen with a utility room; new toilet facilities and a new ramp to accommodate handicapped persons. A new parking lot will be constructed to accommodate 8 automobiles and 1 vehicle for the handicapped. Total area when completed will be approx. 2,540 sq. ft. The site is located in Lanai City, on the northeast corner of Fraser Ave. and Seventh Street, TMK:4-9-06:6.

HAWAII

CONSTRUCTION OF SIX HOUSES IN THE MOHOULI SUBDIVISION, HILO, HAWAII, Hawaii Housing Authority, Dept. of Social Services and Housing

The proposed development is a single family, detached housing project to be situated on six remnant lots in the existing Mohouli Subdivision in Hilo. The Hawaii Community College has proposed that the Hawaii Housing Authority (HHA) participate with them in a model house program. HHA is the fee simple owner of the six remnant lots. The project is designed to provide homes for moderate-income "Gap Group" families. The actual project would be for a six-year period--building one house per year. The units will have three bedrooms, two baths and contain approx. 1,056 sq. ft. of living area, plus 550 sq. ft. of garage and utility area. The lots involved are TMK:2-4-59:128,129,130,131,132,133.

HONOKAA HIGH AND ELEMENTARY SCHOOL PHYSICAL EDUCATION LOCKER/SHOWER BUILDING, HONOKAA, HAWAII, Dept. of Accounting and General Services for the Dept. of Education

The proposed project will include construction of a P.E. Locker/Shower Building of approx. 5,000 sq. ft. and 550 sq. ft. of covered walkway. An existing custodian's cottage will be demolished to make room for the new building. Since the project will be constructed within the existing school campus, no land will be removed from the tax base. The project will provide the school with physical education facilities for both male and female students in accordance with the Department of Education's Specifications and Standards for Facilities.

SUBDIVISION OF GOVERNMENT LAND, WAIAKEA, SOUTH HILO, HAWAII, Shizuo Ueda/Division of Land Management, Dept. of Land and Natural Resources

The project consists of subdividing the parcel covered by TMK:2-1-03:8 into 2 lots - Lot A consisting of approx. 1.01 acres and Lot B consisting of approx. 1.33 acres. The existing park known as Happiness Garden (Lot B) is in constant need of maintenance and would be a burden to the Division of State Parks to maintain. The proposed project would, in the auction agreement, keep the park open to the public and be maintained by the successful bidder. The subdivision and subsequent lease agreement of Lot A would give

private enterprise the means to maintain the park and add to the State coffer for lands currently unproductive. The project is located along Hilo Bay at Waiakea, South Hilo, and bounded by Lihikai Street, Suisan Fish Market, Hilo Bay and a roadway.

ENVIRONMENTAL IMPACT STATEMENTS

EIS's listed in this section are available for review at the following public depositories: Environmental Quality Commission; Legislative Reference Bureau; Municipal Reference and Records Center (Oahu EIS's); Hamilton Library; State Main Library and the Kaimuki, Kaneohe, Pearl City, Hilo, Kahului, and Lihue Regional Libraries. Statements are also available at State Branch Libraries that are in proximity to the site of a proposed action (indicated by project description).

EIS AVAILABLE FOR COMMENT. Comments on the following EIS may be sent to: 1) the accepting authority; and 2) the proposing agency (indicated on the EIS routing slip). Please note the deadline date for submitting written comments on the EIS.

KAHUKU WIND ENERGY PROJECT, KAHUKU, OAHU, Windfarms Ltd./Dept. of Land and Natural Resources

Windfarms Ltd. is proposing to construct a Wind energy facility, or "windfarm" on the Kahuku hillside area of Oahu for the purpose of producing electricity. The windfarm installation will consist of 20 Wind Turbine Generators (WTGS) and transformers, 46 KV and 138 KV transmission lines, a switchyard, control shop, warehouse facility, security fencing, wastewater disposal system and access roads. When completed, the Windfarm will have a total electric generating capacity of 80 megawatts. Hawaiian Electric Company, Inc. has agreed to purchase all electricity. The existing Kuilima Substation, however, cannot accommodate the capacity of the windfarm. A transmission line is needed to carry the electricity generated by the windfarm to a substation having this capacity. For this purpose, a 138 KV transmission line is proposed by the construction of an overhead line along that portion of the Kuilima Switchyard to the existing Wahiawa Substation.

Transmission line routing will pass through both conservation district and military training areas. ~~The proposed windfarm is~~ on the north shore of Oahu. Within the windfarm area, 20 proposed and 5 alternate WTG sites have been identified and are arrayed along Davis, Opana, and Waialeale Ridge, in the northernmost foothills of the Koolau Mountain Range.

This document is being prepared in support of a Conservation District Use Application. The preparation notice was published in the EQC Bulletin on September 8, 1981 as a "Conservation District Use Application for Transmission Line Easement Use Between Kuilima Substation and Wahiawa Substation, Oahu."

This EIS is also available at the Wahiawa Library, Waialua Library, and Kahuku Community-School Library.

Deadline: November 22, 1981.

MAKENA ROAD, MAKENA, MAUI, Dept. of Public Works, County of Maui

Previously reported October 8, 1981.

This EIS is also available for review at the Kahului, Lahaina, and Makawao Branch Libraries.

Deadline: November 7, 1981.

EIS'S SUBMITTED FOR ACCEPTANCE. *The following EIS's have been submitted for acceptance and contain comments and responses made during the review and response period.*

GENERAL PLAN AMENDMENT (REVISED), WAIAKEA HOUSELOTS, SOUTH HILO, HAWAII, Kenneth Tanouye dba K & J Tire Center, Inc./County of Hawaii Planning Dept.

The applicant proposes to construct a single steel ribbed warehouse building with 5 separate sections totalling 18,000 sq. ft. of floor space. A 41 stall paved parking lot with loading and unloading areas will front the structures. The site is presently zoned RS-10 Single Family and the applicant is seeking a zone change to ML-20 Limited Industrial. The 45,000 sq.

ft. parcel is located in Hilo, Hawaii, fronting Manono Street between Lanikaula and Kawili Streets.

This EIS is also available for inspection at the Keaau Community-School Library and Laupahoehoe Community-School Library.

Status: Currently being processed by the County of Hawaii Planning Department.

NA PALI COAST MANAGEMENT PLAN (REVISED), NA PALI COAST, KAUAI, State Parks Division, Dept. of Land and Natural Resources

On the Na Pali Coast increased recreation use over the past few years including long term "camping" and unrestricted public access by commercial tour boat and helicopter operations has generated intense public concern. Conflicts among the lifestyles of visitors and potential visitors have been cited and the previous "wilderness" type of experience has been seriously reduced for many visitors. In response to these immediate concerns, the Board of Land and Natural Resources accepted the Na Pali Coast Interim Management Plan on February 23, 1979. A user permit system was established and the use of commercial helicopters and boats was restricted. In accepting the interim plan it was understood that a permanent plan would be developed after additional resource information and user data could be gathered. The Na Pali Coast Management Plan focuses on developing an adequate system for managing the Na Pali Coast, with emphasis on solving the existing problems. The project description discusses 3 basic areas: overall park management; recreation management objectives; and management plans by park units.

This EIS is also available for inspection at the Kapaa Library, Waimea Library, and Waioli Church in Hanalei.

Status: Currently being processed by OEQC.

NEPA DOCUMENT

The following documents have been prepared pursuant to the requirements of the National Environmental Policy Act of 1969. Contact the Office of Environmental Quality Control for more information 548-6915

CONSTRUCTION OF THREE TACTICAL EQUIPMENT MAINTENANCE SHOPS, SCHOFIELD BARRACKS, OAHU, U.S. Army Support Command, Hawaii

Finding of No Significant Impact

The proposed project will provide tactical equipment maintenance facilities for the 84th Engineer Bn, HHC 25th Infantry Division and 25th MP Company, and 3/4 Cavalry Squadron. The maintenance activities of these units are now being accomplished in temporary buildings and motor pools which are deficient in paved parking area, environmentally acceptable washracks, appropriate fuel dispensing facilities, and effective perimeter security fencing and lighting. The 3 areas proposed for expansion and new construction are currently being utilized as motor pools or motor parks by the respective units noted above. All 3 areas are located within areas designated for motor parks in Schofield Barracks, and are surrounded by facilities or activities related to training, administration or service, and storage.

CONSTRUCTION OF TWO TACTICAL EQUIPMENT MAINTENANCE SHOPS AND FACILITIES, WHEELER AIR FORCE BASE, OAHU, U.S. Army Support Command, Hawaii

Finding of No Significant Impact

In order to maintain the tactical equipment of units assigned to the 25th Infantry Division and 45th Support Group in a readiness status, adequate vehicle maintenance facilities must be provided. To accomplish this, 22 tactical unit maintenance facilities are required. At present, there are only 7 permanent facilities. This project will provide facilities for 347th Transportation Company (6,445 sq. ft.) and the 25th Aviation Battalion and 68th Medical Detachment (18,610 sq. ft.). The maintenance activities of these units are now being accomplished in 3 temporary buildings. These facilities are deficient in paved parking areas, environmentally acceptable washracks, fuel dispensing facilities, perimeter security fencing, lighting, and organizational storage. The proposed project will correct this situation. The project area includes a section of land currently used for horse stables and relocation of this activity may be required.

Immediately east of the proposed motor pool areas lies the Wheeler ammunition storage area. Eastern portions of the proposed project site lie within the quantity distance arcs of the ammunition storage facilities. Therefore, special precautions will be taken to insure that all construction and operations in this vicinity are in accordance with appropriate safety standards.

SPECIAL COMPARTMENTED INFORMATION FACILITY, SCHOFIELD BARRACKS, OAHU, U.S. Army Support Command, Hawaii

Finding of No Significant Impact

The proposed project consists of constructing a new permanent, single story, 6,750 sq. ft. building to house the Combat Electronic Warfare and Intelligence (CEWI) battalion scheduled to become operational at Schofield Barracks in FY 83. The project site is located northwest of Quad "K" in an open, grassy field.

REGISTER OF SHORELINE PROTECTION ACT DOCUMENTS

The projects listed in this section have been filed with the City and County of Honolulu Department of Land Utilization pursuant to Ordinance 4529, as amended, relating to the Special Management Area (SMA) of Oahu. Contact the DLU at 523-4077 for additional information.

KAMEHAMEHA HIGHWAY NEAR HYGENIC STORE, KAHALUU, KOOLAUPOKO, OAHU, Clarence and Diana Hirata/Dept. of Land Utilization, City and County of Honolulu

Preparation Notice

The proposed project site contains an area of approx. 2.8 acres (2.3+ acres makai of Kamehameha Hwy. and 0.5+ acres mauka of Kamehameha Hwy.) adjacent to the Hygenic Store, TMK:4-7-11:Por. 2; 4-7-26:9. The greater portions of these parcels are zoned B-2 Business District, except for a 20-ft. strip makai of Kamehameha Hwy. and a 60-ft. strip mauka of Kamehameha Hwy., totalling approx. 0.33 acres, which are zoned R-6 Residential District. The project site is envisioned by the applicant as a commercial complex, including shops, restaurants, fast food establishments, offices, storage areas,

restrooms, parking, infrastructure and landscaping. The commercial complex would be of wood construction, and the maximum height of the structures above grade will be 39 ft. A total of 108 parking stalls will be provided (38 parking stalls on the mauka portion and 70 parking stalls on the makai portion). As part of the landscaping plan, the makai portion will be elevated via grading and two artificial ponds will be created adjacent to the proposed restaurant and the fast food establishment. The mauka drive-in will have two access points onto Kamehameha Hwy., while the makai commercial area will have one access point onto Kamehameha Hwy.

Contact: T. Kalani Miller
47-712 Hui Kelu Street
Kaneohe, Hawaii 96744

Deadline: November 22, 1981.

PROPOSED AMENDMENT TO EXEMPTION LIST

The following amendment to the existing exemption list was filed for Commission approval by the City and County of Honolulu Department of Public Works. The Commission will consider this amendment at a public meeting to be announced. The public is welcome to submit written comments in advance to the Commission. These comments should be submitted as soon as possible. Comments will also be received in writing or orally at the meeting.

The Department of Public Works is proposing to amend their existing exemption list by adding 2 herbicides to Exemption Class #1, item on Vegetation Clearing from Stream. The entire item is printed below, with the proposed amended section being underlined.

Vegetation Clearing From Stream

Work under this exemption would be performed by the Division of Road Maintenance on improved and unimproved drainage ditches, swales, and streams under the Department's jurisdiction. Work would involve removing and cutting of debris, brushed, grass (predominantly California and honohono grasses), and occasional koa trees up to three inches in diameter to

restore channel capacity. The equipment to be used by the work crew of about six men consists of ~~stickless, cane knives, and~~ a power saw if trees are to be cut. A loader of a crane truck would be used to haul the vegetation and debris to a sanitary land fill. The herbicide Dowpon, which has been approved by the Department of Health, would be sprayed on the earth embankment after the cutting has been completed. The herbicide Roundup would be applied routinely to banks of streams, canals, and ditches and to the waterways when dry to control overgrowth. No direct application to any body of water will be made. The herbicide Diquat 2 will be used for weed control when direct application to water in streams, canals, and ditches is unavoidable. All herbicides will be used under the following conditions:

1. label instructions will be strictly adhered to;
2. dosage will be approx. 15-30 lbs. per acre or as prescribed by the label; and
3. Dowpon will not be used in Kahana Stream, Punaluu Stream, or Kaluanui Stream

Soil disturbance would be minimal if any and all work would be confined within the right-of-way.