

# OEOC BULLETIN



JOHN WAIHEE  
GOVERNOR

OFFICE OF ENVIRONMENTAL QUALITY CONTROL

DIRECTOR

Volume IV

January 8, 1986

No. 01

## REGISTER OF CHAPTER 343, HRS DOCUMENTS

### 1987 CALENDAR

January 1987

S	M	T	W	T	F	S
					X	2 3
4	●	6	7	8	9	10
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February 1987

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April 1987

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June 1987

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August 1987

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September 1987

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November 1987

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December 1987

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20	●	22	23	24	25	26
27	28	29	30	●		

- Negatives and Preparation Notices due
- Official receipt days for EISs
- X Holidays

(The Bulletin is published on the 8th and 23rd of each month. Negatives and Prep. Notices are due five working days prior to the 8th and 23rd of each month. Draft and Final EISs are due on the 5th and 20th of each month; if the 5th or 20th falls on a holiday or weekend, it is due on the next working day.)

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All Chapter 343, HRS documents submitted for publication in the OEQC Bulletin must be addressed to the Office of Environmental Quality Control, 465 South King Street, Room 104, Honolulu, Hawaii 96813. Documents addressed otherwise will not be considered for publication.

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IMPORTANT NOTICE

If you wish to continue receiving copies of the OEQC BULLETIN, please send a copy of your mailing label to: OFC OF ENVIRONMENTAL QUALITY CONTROL 465 S. KING ST., RM. 104 HONOLULU, HAWAII 96813 Your mailing label must be received by February 17, 1987, in order for you to continue receiving our Bulletin. Send your label in today so that you will not miss any of our issues.

EIS PREPARATION NOTICES

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

GENTRY 515, WAIAWA, CENTRAL OAHU, The Gentry Companies/City and County of Honolulu Dept. of General Planning

Previously published December 23, 1986.

Contact: Mr. Fred Rodriguez, President Environmental Communications, Inc. P.O. Box 536 Honolulu, HI 96809

Deadline: January 22, 1987.

HAU'ULA AUTISTIC SCHOOL AND HOUSING PROJECT, HAU'ULA, KO'OLAULOA, OAHU, ELC Foundation/City and County of Honolulu Dept. of Land Utilization

Previously published December 23, 1986.

Contact: Mr. Gene Lum, Esq. Century Center #115 1750 Kalakaua Avenue Honolulu, HI 96826

Deadline: January 22, 1987.

NEGATIVE DECLARATIONS

The following are Negative Declaration 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 EISs (EIS Rules 11-200-11). Publication in the Bulletin of a Negative Declaration initiates a 60-day period during which litigation measures may be instituted. Copies are available at 25 cents per page upon request to the Office. Parties wishing to comment may submit written comments to the agency responsible for the determination (indicated in project title). The Office would appreciate a copy of your comments.

KAUAI

KAPAA ELEMENTARY SCHOOL PLAYGROUND, KAPAA, KAUAI, Dept. of Accounting and General Services for the Dept. of Education

This project involves the construction of a play area consisting of chain link fencing for the primary grades and the relocation of an existing service road. The project will provide the school with a much-needed play area for primary grade students. Completion of this project will reduce over-crowded play areas and increase safety.

SHORELINE ROCK REVETMENT, HAENA, KAUAI,  
Murcia-Toro, Inc./County of Kauai  
Planning Department

The applicant proposes to place a rock revetment along the shoreline for the purposes of preventing further erosion of the Conservation District property identified as TMK: 5-9-02:35, saving the existing concrete deck from collapsing and maintaining the natural beach berm to minimize potential wave damage to the single family residence. The revetment will be 4 ft. high and about 170 ft. long. If remedial action is not taken, erosion will continue, causing further loss of valuable ocean front property and sedimentation in the near shore waters.

CONSTRUCTION OF A SEAWALL AND SWIMMING POOL, KUKUIULA, KAUAI,  
Carl and Gale  
Kramer/County of Kauai Planning Department

The applicants propose to construct extensions of seawalls within established boundaries upon the original seawalls to raise their height by 7 ft. The purpose of the extension of the 80 ft. long seawall is to protect lot 3, Spouting Horn Tract, TMK: 2-6-03:24, 4534 Lawai Rd., from wave damage and erosion. The seawall will further protect native flora planted within the respective yards, respective residences and neighboring properties from salt spray and will prevent soil erosion and debris from entering and polluting the ocean. Also proposed for construction within the shoreline setback area is a 15 ft. by 30 ft. swimming pool.

ADDITION TO THE HAWAII HYPERBARIC TREATMENT CENTER, KEWALO BASIN, HONOLULU, OAHU,  
University of Hawaii

The project provides for the construction of a single-story addition to the Hawaii Hyperbaric Treatment Center (HHTC) containing a larger hyperbaric chamber. This will enable the HHTC to expand and speed up the treatment of victims of diving accidents. The new larger hyperbaric chamber will give the HHTC the flexibility to concurrently treat diving victims at different levels of sickness. The existing facilities consists of offices and 3 hyperbaric chambers which will continue to be utilized for the treatment of diving accident victims as well as other requiring similar medical treatment. The proposed structure will be located on the parcel identified as TMK: 2-1-60:1 and is encumbered by G.L. No. S-3864 to the University of Hawaii by the State of Hawaii. The parcel contains 5.45 acres and is bounded by the Kewalo Channel, the Pacific Ocean, Koula, Olomehani, and Ahui Sts. The addition will be constructed within the fenced area makai of Look Laboratory and ewa of the existing HHTC Building. It will be located adjacent to the parking lot which has access from Ahui St. The proposed action involves the construction of a metal structure housing a large hyperbaric chamber. The structure will be of steel construction approx. 22 ft. in height and will contain about 3,800 gross sq. ft. of space. The new chamber is 10 ft. in diameter and 30 ft. in length. It is presently being modified at a local welding shop. The foundation for the new hyperbaric chamber had been earlier constructed. The structure is planned to be constructed in two phases. The first phase which provides for the construction of the foundation for the chamber was recently completed. The current project provides for the completion of the final phase.

KAILUA HIGH SCHOOL AUTOMOTIVE PAINT BOOTH, KAILUA, OAHU,  
Dept. of Accounting  
and General Services for the Dept. of  
Education

The project proposes to construct an automotive paint booth in or adjacent to the existing auto shop. The booth is a prefabricated structure of approx. 660 sq. ft. in area and will conform with all applicable building, safety, and environmental codes and requirements. The estimated cost of construction is \$72,000. Since the project will be constructed within the existing school campus, no land will be removed from the tax base.

PUUALOHA - MALEKO STREETS RELIEF DRAIN, MAUNAWILI, KAILUA, OAHU, City and County of Honolulu Dept. of Public Works

The proposed project will consist of the construction of 135 lineal ft. of 36 in. and 10 lineal ft. of 18 in. reinforced concrete pipes, one special 30 ft. by 4 ft. catch basin, one special 15 ft. by 2 ft. grate inlet, one special drain manhole, one standard drain manhole and one special outlet structure which will be connected to an existing concrete-lined stream. The project site (TMK: 4-2-67) is approx. 10 mi. northeast of downtown Honolulu in the Maunawili, Kailua, district. The proposed work is designed to increase the carrying capacity of the existing drainage system and alleviate the flooding problems on Puualoha St. created during periods of heavy rainfall.

KEAHOLE/KALANIANAOLE INTERSECTION PROJECT, HAWAII KAI, OAHU, Kaiser Development Co./City and County of Honolulu Dept. of Land Utilization

The applicant is requesting a Special Management Permit that will allow the company, with the approval and consent of the State Department of Transportation, to construct an additional left-hand turn lane to Keahole St. from Kalanianaole Hwy. in Hawaii Kai. The project is within the Kalanianaole Hwy. right-of-way between Hawaii Kai Dr. and the Hawaii Kai Marina Bridge. Maunalua Bay Beach Park is situated along the makai side of the highway. A second left turn lane will be designed and constructed to accommodate

the increased outbound P.M. peak traffic that turns into Keahole St. The existing pavement grade will essentially be the same for this widening project. The concrete sidewalk on the mauka/ewa corner will have to be relocated. The length of the turning lane will be ±700 ft. A strip of land 10 ft. wide of the mauka side of Kalanianaole Hwy. will be required for this additional lane. The road will be widened for ±700 ft. extending Ewa of Keahole St. The highway will be restriped for 300 ft. extending Koko Head of Keahole St. but no widening is required. The land required for the widening is within the existing Kalanianaole Hwy. rights-of-way and thus owned by the State of Hawaii. The project is part of the Transportation Improvement Plan contained in the Unilateral Agreement and Declaration for Conditional Zoning dated July 3, 1986 that was required by the City in connection with the enactment of Kaiser's Marina Zoning, which was signed by the Mayor on July 21, 1986. The project was first proposed by Kaiser's consultant, Wilbur Smith and Associates, in its September 3, 1985 Hawaii Kai Transportation Management Study as required roadway improvement to mitigate future evening peak hour congestion at the subject intersection. The State Department of Transportation concurred with this roadway improvement.

DEVELOPMENT PLAN REDESIGNATION AND REZONING TO RESIDENTIAL OF 6.3 ACRES IN KALIHI VALLEY, OAHU, Terry W. Hay/City and County of Honolulu Dept. of Land Utilization

The applicant is requesting a zoning map amendment to R-10 Residential to conform with the Development Plan Residential designation of 6.3 acres of the 15.2 acre parcel (TMK: 1-4-22:4). The 15.2 acre parcel is currently zoned P-1 Preservation and is located adjacent to Likelike Hwy. mauka of the State of Hawaii's Material Testing and Research Laboratory in Kalihi Valley. The applicant proposes to construct one single family house on that 6.3 acre portion of the site which is designated Residential on the

Development Plan for the Primary Urban Center. The remaining 8.9 acres of the parcel is designated Preservation on the Development Plan. Access to the parcel is from an adjacent parcel identified as TMK: 1-4-22:17, which is owned by the applicant. This access point is also used by the State of Hawaii for access to the Testing and Research Laboratory.

CONTINUED USE OF THE STRUCTURES AT PARADISE COVE LUAU FACILITY LOCATED WITHIN THE SHORELINE SETBACK AREA, LANIKUHONUA, HONOULIULI, EWA, OAHU, Paradise Cove/City and County of Honolulu Dept. of Land Utilization

The applicant is requesting a variance to allow the continued use of structures constructed within the 40-ft. Shoreline Setback Area. The structures include a 25-ft. tower and portions of amphitheater seating, 2 stages, a dressing-room structure and other small structures. The 25-ft. tower is used by the conch shell blower. The project site (TMK: 9-1-15:10 (por.)) is in leeward Oahu, between Kahe Pt. and the Barber's Pt. Deep Water Harbor and is located along the coastline. It adjoins the Kamokila Campbell Estate on the north and the West Beach development on the east.

MAUI

DEMOLITION OF OLD PARSONAGE BUILDING AT WAIOLA CONGREGATIONAL CHURCH, LAHAINA, MAUI, Waiola Congregational Church/Maui Historic Commission

The applicant proposes to demolish the exiting 1600 sq. ft. former parsonage building. According to the applicant, the building which was first built in 1932 is in disrepair and poses a potential fire and safety hazard. Although the building was first used as a parsonage, since 1951 the structure has been used as a single family rental unit. The 1.42 acre project site (TMK: 4-6-07:16) is located along the east side of Wainee St. and is bounded

by the Lahaina Honpa Hongwanji Mission (north), Malu-ulu-o-lele Park (west) and Waiola Church Cemetery (south).

HAWAII

SOIL CORE SAMPLING FOR PROPOSED FUTURE MARINA DEVELOPMENT, HONOKOHAU, NORTH KONA, HAWAII, Hualalai Holding Co./Hawaii County Planning Commission

The proposed action involves soil coring in various locations to determine cost of excavation for proposed future marina development on a 59.20 acre parcel located in the ahupua'a of Honokohau 2nd, North Kona, TMK: 7-4-08:25. The proposed action involves the drilling of 5 soil core samples at various sites within the parcel. The applicant is considering a proposed marina which will expand the existing Honokohau Small Boat Harbor. The soil samples will give an indication of future excavation costs. The parcel containing the soil sampling sites which is situated within the Honokohau Settlement Complex and within the boundaries of the proposed Kaloko-Honokohau National Cultural Park is presently vacant and undeveloped. The proposed sampling sites are located 1,000 ft. or more from the shoreline. Access to the site from Queen Kaahumanu Hwy. is through the existing Honokohau Small Boat Harbor which borders the parcel on the south. The area to the north is also unoccupied and undeveloped. The property is bounded by the ocean to the west and the Queen Kaahumanu Hwy. to the east.

CONSERVATION DISTRICT USE APPLICATION TO CONSTRUCT FOUR 90-FOOT TOWERS, KEAHOLE, HAWAII, Big Island Broadcasting Co., Ltd./Dept. of Land and Natural Resources

Big Island Broadcasting Co., Ltd., dba KIPA Radio, has applied to the FCC for permission to construct synchronous transmitters at South Point and Keahole, Kona. These transmitters are designed to extend the KIPA coverage area to encompass the entire island. The Big Island will then be drawn together with

one communications source, and most importantly, ~~civil defense messages will~~ be heard in areas which presently receive no radio coverage at all. The Keahole site chosen (TMK: 7-3-10:33), will allow for a clear radio transmission path to both Waimea and Kailua. The project ~~involves the construction of four 90-ft.~~ towers 90 ft. equidistant apart. Four acres will be used to allow sufficient area to ground the towers which will be accomplished by laying down copper wires extending out in all directions. They will not be buried, thus, causing negligible impact to the environment. The only structure will be an approx. 10 ft. by 15 ft. hollow tile building housing the transmitter. A small road from the easement to the building will also need to be constructed. The towers will be fenced in. The project site is surrounded by State-owned land. To the north and east, the land is vacant, consisting of open lava flow areas with low grasses, and is in the State Land Use Conservation district, general subzone. To the south and west, the area is adjacent to the Keahole Agricultural Park, which is in the State Agricultural district. The Ag park consists of thirty-four 5-acre lots which are leased out by the State for diversified agricultural use including nurseries, orchards and greenhouses.

LAND EXCHANGE INVOLVING STATE LAND, OOMA II, NORTH KONA, HAWAII, American Trust Co. of Hawaii, Inc./Dept. of Land and Natural Resources Division of Land Management

The applicant proposes to exchange in fee simple with the State of Hawaii equally valued land of 85 acres, more or less, situated at Ooma II, North Kona, County of Hawaii, which would become part of the existing Hawaii Ocean Science and Technology (HOST) Park site. On November 21, 1986, the Board of Land and Natural Resources approved this exchange. The land exchange involves consolidating a portion of state-owned parcel 5 of TMK: 7-3-9 with applicant-owned parcel 4 of TMK: 7-3-9. Subsequently, parcel 4 would be

~~subdivided into two oceanfront lots with areas of approx. 85 and 229 acres, respectively.~~ Ownership of the 85-acre lot, which is currently in private ownership, would then be exchanged with the consolidated portion of parcel 5 which is State land. Although the ~~preliminary scope of the exchange parcels~~ is 85 acres each, the exact subdivision is contingent upon completion of a registered survey and a real estate appraisal, and would be subject to the conditions set forth in the Board's approval. Disposition of the State lands would complete the land exchange with American Trust Co. of Hawaii, Inc. Upon completion of the exchange, the northern coastal parcel would become part of the existing HOST Park site. The State-owned exchange parcel is at the southeast periphery of the planned HOST Park development and would become part of the Ooma II property. The reconfigured Ooma II parcel would contain expanded areas for uses that have already been proposed and examined in the previous EIS prepared for Ooma II. The eastern exchange parcel is not envisioned to contain any major new land use.

ENVIRONMENTAL IMPACT STATEMENTS

EISs listed in this section are available for review at the following public depositories: Office of Environmental Quality Control; Legislative Reference Bureau; Municipal Reference and Records Center (Oahu EISs); Hamilton Library; State Main Library and the Kaimuki, Kaneohe, Pearl City, Hilo, Wailuku 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).

Comments on the following EISs may be sent to: 1) the accepting authority; and 2) the proposing agency. Please note the deadline date for submitting written comments on the EIS.

SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT TO PERMIT ALTERNATIVE METHODS SEAWATER RETURN FLOW DISPOSAL AT NATURAL ENERGY LABORATORY OF HAWAII (NELH), KEAHOLE, NORTH KONA, HAWAII, NELH

An environmental impact statement for the Development Plan for Hawaii Ocean Science and Technology (HOST) Park and Expansion of the Natural Energy Laboratory of Hawaii was accepted by the Governor in September 1985. Among the actions assessed in the statement was the disposal of 42,000 gpm of seawater return flows from ocean thermal energy conversion (OTEC) and mariculture operations at NELH by means of trench, well, canal and mixed-water discharge pipe. At the time the EIS was accepted, the State of Hawaii planned to install a cold water pipe and pump system for HOST Park and the U.S. Dept. of Energy (DOE) was planning to fund a cold and warm water system for OTEC research. Subsequently, the DOE learned that it would be unable to fund the proposed expansion of OTEC facilities at NELH to the level they had originally proposed.

EV has therefore entered into a cooperative cost-sharing agreement to provide the required ocean water for both projects with one seawater system. Because the mixed-water discharge pipe that was originally proposed as the means to dispose of the projected 16,000 gpm seawater return flows will not be funded at the present time, alternative, less costly methods of disposal were evaluated. The alternative disposal facility recommended for OTEC discharges is a shallow trench located within the NELH compound. The recommended trench orientation is roughly perpendicular to and approx. 250 ft. from the shoreline at its closest point. This facility would initially serve as a research trench for discharge quantities in the range of 3,000 to 5,000 gpm. During the 3 to 4 year heat and mass transfer experiment period, an intensive water quality monitoring program would be undertaken in conjunction with the trench disposal in order to determine the actual impacts associated with the discharge. In the event that unacceptable impacts occur, alternative disposal

facilities can be constructed and the water diverted to the new system. At full development of NELH it is projected that an additional 25,900 gpm of seawater return flows from mariculture operations will be generated. The constituents of the discharge water will depend on the culture organism and its intended use. The disposal facility recommended for return seawater from mariculture operations is a trench located makai of the NELH access road, parallel to and approx. 900 ft. from the shoreline at its closest point. Because it is anticipated that there will be a gradual increase in volumes of water used, the proposed monitoring program can provide early detection of any adverse impacts so that alternative disposal methods can be instituted if they occur.

This EIS is also available for review at the Bond Memorial (Kohala), Holualoa, Kailua-Kona, Kealahou, and Thelma Parker Memorial/Waimea Area Libraries.

Deadline: February 9, 1987.

MAKENA-KEONEOIO ROAD CUL-DE-SACS PLAN, MAKENA, MAUI, Seibu Tetsudo K.K./County of Maui Planning Department

Previously published December 23, 1986.

This EIS is also available at the Kahului, Lahaina, Kihei Community, and Makawao Libraries.

Deadline: January 22, 1987.

MILILANI-MAUKA RESIDENTIAL COMMUNITY, MILILANI, OAHU, Oceanic Properties, Inc./City and County of Honolulu Dept. of General Planning

Previously published December 23, 1986.

This EIS is also available at the Mililani Library.

Deadline: January 22, 1987.

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

CONSERVATION DISTRICT USE APPLICATION FOR A GOLF COURSE ON IOLANI SCHOOL PROPERTY, KANEHOE, OAHU, Nitto Kogyo Co., Ltd./Dept. of Land and Natural Resources

The applicant is proposing to develop a world class championship golf course complex in Kaneohe, southwest (mauka) of Kanehameha Hwy. between the Pali and Likelike Highways. The proposed complex is also expected to afford recreational opportunities including tennis, swimming and dining/banquet facilities for members and their guests. The subject property is bordered on the north by Koomaluhia Park, on the east by Kionaole Rd. which also borders the Pali Golf Course, on the south by the summit of the Koolau Range, and on the west by the Likelike Hwy. The property is identified as TMK: 4-5-42: 1 & 6, consisting of 233.075 and 471.540 acres respectively, for a total of 704.54 acres. The "Project Area" for the proposed golf course development consists of approx. 225 acres within the 705-acre area. It is located in the northern portion of the property, adjacent to the proposed H-3 right-of-way and Kionaole Rd. The following uses are proposed for the project area:

1. 18-hole championship golf course, approx. 180 acres, including fairways, greens, tees and adequate open space along existing stream beds.
2. Golf clubhouse at west end of golf course, including a pro-shop, dining room, banquet facility for about 500 people, club rooms, locker rooms, offices and golf cart storage and maintenance area; tennis courts, swimming pool and outdoor landscaped areas will also be developed as part of the clubhouse complex.
3. Golf driving range, approx. 1.5 acres, with 30 practice tees and putting green.

4. Access road approx. parallel to proposed H-3 right-of-way from Kionaole Rd. at northeast corner of project area to the clubhouse site, approx. 3,400 ft.; a second road to the maintenance facilities may also be provided; approx. 150-200 parking stalls will be provided at the clubhouse using 1.5-2 acres of land.
5. Drainage Improvements.
6. Utilities.

In response to public comments and concerns, the clubhouse location has been changed to the former Knowles residence area.

This EIS is also available for review at the Kailua Library.

Status: Currently being processed by the Dept. of Land and Natural Resources.

MAKALAWENA RESORT, NORTH KONA, HAWAII, Kanehameha Schools-Bernice Pauahi Bishop Estate/County of Hawaii Planning Dept.

Previously published December 23, 1986.

This EIS is also available at the Holualoa, Kailua-Kona, and Thelma Parker Memorial/Waimea Area Libraries.

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

ERADICATION OF MARIJUANA ON STATE-OWNED AND MANAGED CONSERVATION DISTRICT LANDS, ISLANDS OF HAWAII, MAUI AND MOLOKAI, Dept. of Land and Natural Resources

Previously published December 23, 1986.

This EIS is also available for review at the following libraries:

HAWAII  
Bond Memorial (Kohala), Kailua-Kona, Kealahou, Laupahoehoe Community-School, Mountain View Community-School, Paha Community-School, Thelma Parker Memorial/Waimea Area.



**MAUI**

Kahului, Lahaina, Makawao.

**MOLOKAI**  
Molokai.

Status: Currently being processed by the Office of Environmental Quality Control.

SUPPLEMENTAL EIS FOR THE PROPOSED HILO BAY OUTFALL SEWER EXTENSION, HILO, HAWAII, County of Hawaii Dept. of Public Works

Previously published December 23, 1986.

Status: Currently being processed by the Office of Environmental Quality Control.

**NOTICES**

**NEPA DOCUMENT**

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 at 548-6915.

CONVERSION OF THE HAWAII AIR NATIONAL GUARD (HANG) FROM F-4C AIRCRAFT TO F-15A/B AIRCRAFT

Finding of No Significant Impact

The proposed action is the conversion of the Hawaii Air National Guard (HANG) from 24 F-4C aircraft to 26 F-15 aircraft (24 F-15As, two F-15Bs). The conversion would begin in the second quarter of FY87, and would be completed by the end of the 3rd quarter FY88. The first aircraft to arrive would be the two-seat "B" model trainers, with the single-seat "A" models delivered in the following months. It is estimated that about 3,500 training sorties (one takeoff and one landing) will be flown each year after the HANG becomes fully operational with

the new aircraft. This training schedule is expected to be the same as that presently flown by the F-4C. During the transition period, F-15 sorties will increase gradually as more pilots become trained in the new aircraft. The unit is expected to become fully operational by June 1988. The F-15 Eagle is an all-weather, extremely maneuverable tactical fighter, designed to gain and maintain air superiority in aerial combat. It is designed to out perform and out fight any current and projected enemy aircraft. The F-15's air superiority capability is achieved through a combination of unprecedented maneuverability and acceleration, range, non-nuclear weaponry, and avionics. It has electronic systems and weaponry to detect, acquire, track and attack enemy aircraft while operating in friendly or enemy controlled airspace. Its weapons and flight control systems are designed so one man can safely and effectively perform air-to-air missions. The F-15's superior maneuverability and acceleration are achieved through its high engine thrust-to-weight ratio and low-wing loading. It is the United States' first operational aircraft whose engine thrust exceeds the plane's loaded weight! Low-wing loading (the ratio of aircraft weight to its wing area) is a vital factor in maneuverability and, combined with the thrust-to-weight ratio, enables the aircraft to turn tightly without losing airspeed. Implementation of the proposed conversion will result in an increase in the manning of the unit. For the F-15A/B, 382 full-time and 993 part-time personnel will be required. There will no longer be a requirement for the 29 Weapons System Officers presently assigned to the 199th TFS, who were part of the two-man flight crew of the F-4C. In conjunction with the conversion to F-15 aircraft, there will be new facilities constructed, and other facilities will be modified internally to accommodate equipment specific to the F-15. Most of the new construction is not specific to the F-15. It would be required for any fighter aircraft assigned to HANG. The only new facilities specific to the F-15 are the flight simulator building, a two-story structure of approx. 5,000 sq. ft., and the increased aircraft parking apron.

465 SOUTH KING STREET - KEKUAOAO BUILDING, #15 - HONOLULU, HAWAII 96813

**OEQC  
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OFFICE OF ENVIRONMENTAL QUALITY CONTROL

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