October 14, 1993

The Honorable Keith W. Ahue
Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Withdrawal of Objections

The Department of Hawaiian Home Lands has been in a position to raise objections to various applications for water use permits, particularly in Windward O'ahu, on the basis that water reservations were yet required to meet statutory obligations to Hawaiian home lands.

Please be advised that as the proposed water reservations in O'ahu and Moloka'i water management areas are finalized, our objections for this reason are thereby withdrawn.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission

HLD: BH: ci/1608L.77
MINUTES
FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: October 13, 1993
TIME: 9:00 a.m.
PLACE: Board Room
Kalanikoulu Building
1151 Punchbowl Street
Honolulu, Hawaii

ROLL CALL: Chairperson Ahue called the meeting of the Commission on Water Resource Management to order at 9:09 a.m.

The following were in attendance:

MEMBERS: Mr. Keith Ahue
Mr. Richard Cox
Dr. John L. Lewin
Mr. Robert Nakata
Mr. J. Douglas Ing

EXCUSED: Mr. Guy Fujimura

STAFF: Ms. Rae Loui
Mr. Edwin Sakoda
Mr. Roy Hardy
Mr. Eric Hirano
Ms. Lenore Nakama
Ms. Sharon Kokubun

COUNSEL: Mr. William Tam

OTHERS:
Winifred Miller
Guy Nakamoto
Creighton Mattoon
Warren Iwasa
Conrad Shiroma
Dave Martin
Wright Hiatt
George Young
Kent Smith
Garrett Goo
Chester Lao
Norman Quon
Edsel Yamada
Reynolds Burkland
Mr. Iida
Kahalaomapuana Wasson
Jim Anthony
Karen Piltz
Barry Ching
Elizabeth Martin
Wayne Akana
Keith Krueger
Laverne Higa
Ruby & Gene Montogomery
Laura Thilen
Ken Ishizaki
Peter Lenhart
David Taogoshi
Keith Haugen

All written testimonies submitted at the meeting are filed in the Commission office and are available for review by interested parties. Some items were taken out of sequence to accommodate requests by applicants or interested parties.

AGENDA 1

ITEM 1  MINUTES OF THE SEPTEMBER 15, 1993 MEETING

Unanimously approved (Cox/Nakata).
ITEM 6  BIG ISLAND COUNTRY CLUB ESTATES, APPLICATION FOR A PUMP INSTALLATION PERMIT, BIG ISLAND COUNTY CLUB WELL 1 (WELL NO. 4950-01), PUU ANAHULU, NORTH KONA, HAWAII

Mr. Sakoda added the following to Condition 2:

"The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission."

Unanimously approved as amended (Cox/Nakata).

ITEM 7  CLAYTON HAUMEA, APPLICATION FOR A PUMP INSTALLATION PERMIT, MAILI-TOMITA WELL (WELL NO. 2409-24), MAILE, OAHU

Unanimously approved (Cox/Nakata).

ITEM 8  EXTENSION: NANSAY HAWAII, INC WELL CONSTRUCTION PERMIT, OULL-NANSAY WELL 2 (WELL NO. 6146-01), OULL, SOUTH KOHALA, HAWAII

Mr. Ing was excused from acting on this permit since his law firm represents the company.

Unanimously approved (Lewin/Cox).

ITEM 9  EXECUTIVE SESSION: KoolaA AGRIcultural Co., Ltd. VS. THE COMMISSION ON WATER RESOURCE MANAGEMENT.

The Commission adjourned to an executive session to discuss Koolau Agricultural vs. the Commission litigation (Cox/Nakata).

AGENDA 3 The meeting was called to order at 1:11 p.m.

ITEM 1  DEFERRAL OF WATER USE PERMIT APPLICATIONS, OAHU WATER MANAGEMENT AREAS

Unanimously approved (Nakata/Cox).

ITEM 2  RUBY MONTGOMERY, APPLICATION FOR WATER USE PERMIT, RL MONTGOMERY WELL (WELL NO. 2751-08), KOOLAUPOKO GROUND WATER MANAGEMENT AREA, OAHU

Unanimously approved with staff's deletion of Recommendation 1d regarding DHHL reservation (Ing/Lewin).

ITEM 3  KAHALA HILTON, WATER USE PERMIT APPLICATIONS, KAHALA HILTON #1 AND #2 WELLS (WELLS NOS. 1646-05 & 06), WAIALAE-WEST GROUND WATER MANAGEMENT AREA, OAHU

Mr. Ing asked to be excused from acting on this permit since his firm represents the applicant. Standard Condition #11 will be amended to require a yearly submission.
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kahala Hilton
Water Use Permit Applications
Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06)
Waialae-West Ground Water Management Area, Oahu

Applicant:
Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816

Landowner:
Bishop Estate
567 S. King Street
Honolulu, HI 96813

Background

The applicant submitted completed water use permit applications to the Commission on May 19, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

These two existing sources use salt water from the Waialae-West Aquifer System for cooling two air conditioner chillers. Following this primary use, the water is routed to a waterfall feature on the hotel grounds. The applicant requests an allocation of 2.88 million gallons per day (mgd) of salt water from each of the Kahala Hilton Wells #1 & #2 (Well Nos. 1646-05 & 06) for a total of 5.76 mgd. The Kahala Hilton #1 Well is the primary source of the salt-water supply. The Kahala Hilton #2 Well is a standby salt-water supply. The sources and use described in this permit application were registered and declared in May 1989 and verified from a field investigation conducted on August 23, 1993.

As part of the registration process, actual monthly water use data for the five-year period from 1983 through 1987 were submitted, although this use has been in existence for over 20 years. Because of the proximity of the wells to the ocean and the assumed negligible effect of the salt-water withdrawals on the aquifer system, staff has not pursued actual monthly water usage for the current period. However, a standard condition of a water use permit for this existing amount is that the applicant submit monthly water use reports. Salt-water withdrawals are measured based on the pressure drop over the air conditioning plant. Using this method, the average withdrawal from the Kahala Hilton #1 Well (Well No. 1646-05) was consistent at 2.88 mgd based on the available data. No water was withdrawn from the Kahala Hilton #2 Well (Well No. 1646-06) during this same period. Therefore, Kahala Hilton #2 Well is actually a back-up well.

The wells are located at the shoreline near Kahala Beach Park at an altitude of about 10 feet (see Exhibit 1). The active source is solidly cased to 106 feet below the ground surface and taps salt water underlying the aquifer at depths of up to 136 feet below mean sea level. No wells are located downgradient. The Office of Hawaiian
Affairs has suggested that tests be conducted to determine the impacts of withdrawals from this source on other existing uses. However, this request is for an established salt-water source from which water has been used for several decades; therefore, other local wells, streams, and the Waialae Aquifer System should not experience any impact from continued use of this water.

The Native Hawaiian Advisory Council has questioned the effect of the salt-water withdrawals on submarine discharges of brackish water and the resultant impact on shoreline ecosystems. The Division of Aquatic Resources agrees there is a potential for impacting near-shore ecosystems; however, at this time, such impacts are difficult to determine and unquantifiable. Presently, very little is known about the characteristics of ground-water discharge into the ocean, and less is understood of its role in the marine environment.

A request for reservation of water from state lands for Hawaiian Home Lands has been submitted to the Commission by the Dept. of Hawaiian Home Lands (DHHL). Although state-owned lands do exist within the aquifer system boundary, the reservation ruling should not affect this use of salt water in the Waialae-West Aquifer System. The pending request by DHHL should not prohibit Commission action on this permit application within this particular aquifer system.

RECOMMENDATION

1. The Commission approve the issuance of an interim water use permit to the Kahala Hilton to use a total of 2,880,000 gallons per day of salt water for use from the Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06), subject to the standard water use permit conditions listed in Attachment B and the following special conditions:

a. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

b. The issuance of the permit shall be withheld until the reservation of water for the Dept. of Hawaiian Home Lands is set by rule. Until the reservation issue is resolved, the applicant may continue this existing use of water within the limits approved by the Commission.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Approved as
Awarded.
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER: Waialae-West System, Honolulu Sector, Oahu
- Sustainable Yield: 4 mgd
- Existing Water Use Permits: 1.99 mgd
- Available Allocation: 2.01 mgd
- Total of other pending allocations: 0.20 mgd

1. WELL: Kahala Hilton #1 Well (Well No. 1646-05)
- Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
- Year Drilled: 1967
- Casing Diameter: 16 in.
- Elevation (msl = 0 ft.)
  - Water Level: NA ft.
  - Ground: 10 ft.
  - Bottom of Solid Casing: -96 ft.
  - Bottom of Perforated: -136 ft.
  - Bottom of Open Hole: -136 ft.
- Total Depth: 146 ft.
- Grouted Annulus Depth: NA ft.

2. WELL: Kahala Hilton #2 Well (Well No. 1646-06)
- Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
- Year Drilled: 1981
- Casing Diameter: 16 in.
- Elevation (msl = 0 ft.)
  - Water Level: NA ft.
  - Ground: 10 ft.
  - Bottom of Solid Casing: -65 ft.
  - Bottom of Perforated: NA ft.
  - Bottom of Open Hole: -135 ft.
- Total Depth: 145 ft.
- Grouted Annulus Depth: NA ft.

[Diagram of water well]

ATTACHMENT A
Use Information

1. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Cooling water for two air conditioner chillers
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39
   Reported Water Usage: 2.88 mgd
   Nearby Similar Water Usage: NA mgd

2. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Standby salt-water supply well
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39
   Reported Water Usage: 0 mgd
   Nearby Similar Water Usage: NA mgd

Waialae-West Aquifer System
   Current 12-Month Moving Average Withdrawal: 0.411 mgd
   (% of SY) 10.5%

Nearby Surrounding Wells and Other Registered Ground Water Use

There are nine (9) other wells within a mile of these wells (see Exhibit 1). Four (4) of these wells are currently in use. Information from the registration program indicates there are possibly six (6) existing wells in the Waialae-West Aquifer System. Several of these wells have been initially field checked but many of the declarants, including the larger users, have not been completely field verified. Several are not in use or are rights claims. The Oahu Water Management Plan estimated that the existing withdrawals from both the Waialae-West and -East Aquifer Systems are 5.2 mgd as of 1990 (the total estimated sustainable yield for both systems is 6.0 mgd).

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on August 12, 1993 and August 19, 1993 and copies of the notice were sent to the Mayor’s office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources & Historic Preservation Divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by September 3, 1993.

Objections/Comments

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by September 3, 1993.

To the best of staff’s knowledge there are no objectors who have property interest

ATTACHMENT A
Chairperson and Members  
Commission on Water Resource Management  
October 13, 1993

within the Waialae-West Aquifer System or who will be directly and immediately affected by the proposed water use. All objections and/or comments to the application are summarized as follows:

<table>
<thead>
<tr>
<th>Objector/Commentor</th>
<th>Objection/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHAC</td>
<td>General process of water use permit applications. Permitted use should be restricted to avoid effects on shoreline ecosystems.</td>
</tr>
<tr>
<td>DOFAW</td>
<td>No objections.</td>
</tr>
<tr>
<td>DAR</td>
<td>No effects on surface water biological resources.</td>
</tr>
<tr>
<td>HPD</td>
<td>No effect on historic sites.</td>
</tr>
<tr>
<td>OHA</td>
<td>Testing should be required to determine and limit impacts on other uses.</td>
</tr>
</tbody>
</table>

Briefs in Support

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and, presumably, copies are served to the applicant. No briefs in support were filed with the Commission.

Field Investigation

The water source and existing use was investigated on August 23, 1993. The investigation(s) verified the applicants request for water use permit.
STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act.

4. The ground water must not interfere with surface or ground water rights or reservations.

5. The ground water use must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its October 13, 1993 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

ATTACHMENT B
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source is not existing, the development of the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance with the Commission’s September 16, 1992 action on reporting requirements;

12. The water use permit shall be subject to the Commission’s periodic review of the applicable aquifer’s sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Waialae-West Aquifer System, or relevant modified aquifer, is reduced;

13. The water use permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HAR §13-171-25 and the requirements of Chapter 174C, the Commission has the authority to allow the transfer of the permit and the use rights granted by the permit in a manner consistent with HAR §13-171-25. Any such transfer shall only occur with the Commission’s prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall request modification of the permit when necessary to comply with all applicable laws, rules, and ordinances which will affect the permittee’s water use.

16. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Waialae-West Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, as allowed under HAR §13-171-21. The final determination of the water use quantity shall be made within five years of the filing of the application to continue the existing use.

18. The water use permit shall be issued only after AG review.

ATTACHMENT B
September 13, 1993

Mr. Keith Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Subject: Your Letter of August 19, 1993 on the Applications for Water Use Permits for Waiahole Irrigation Co. Wells 2853-01, 2953-01, 2953-02 and 3053-01, Windward Oahu; Kahala Hilton Wells No. 1646-05, 06, Honolulu; Sea Life Park Hawaii Wells No. 1939-01, 02, Wells No. 1940-02, 11, Makapuu, Waimanalo, Oahu; U. S. Fish and Wildlife Well No. 2101-14, Pearl Harbor, Oahu; Native Hawaiian Advisory Council - Kunihiro Well No. 3407-02, Waialua, Oahu

Thank you for the opportunity to comment on these applications for water use permits which are primarily for existing uses. Although we have no objections to the issuance of water use permits for these wells, we have the following comments on two of the applications.

1. Waiahole Irrigation Co.

With the announced closing of Oahu Sugar Company and the lack of need for the Waiahole Ditch water for sugar cane, we request that the State start immediately to take the necessary actions to preserve this high quality water for other uses.

2. NHAC-Kunihiro Well No. 3407-02

The effects of the increased use of water from this well on the yield and water quality of the other nearby flowing wells should be considered.

Warm personal regards.

Sincerely,

[Signature]

FFF:js
cc: Jeremy Harris, Managing Director
1993 September 3

State of Hawaii Commission on Water Resource Management
P.O. Box 621
Honolulu, HI  96809

OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
(Public notice of July 27, 1993/Comments due September 3, 1993)

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use
permit application processing and decisionmaking practices as
previously submitted on numerous occasions (10/12/92, 10/21/92,
12/1/92, 6/22/93, & 7/8/93).

SPECIFIC OBJECTIONS

NHAC represents water source registrants, water use declarants,
water use permit applicants, and others with property interest in
land within the hydrologic units of the sources of water supply who
would be directly and immediately affected by the proposed water
uses.

1. Waiahole Irrigation Co, Ltd. 2853-01, 2953-01,02, 3053-01, 3154-01

14. POTENTIAL RESTRICTIONS ON WATER USE

The fact that these water uses are "... of long standing diversion
and use" is irrelevant to the question of water use permitting
under designation and to questions of potential restrictions on
water use. We have been repeatedly told by the Attorney General
that water management area designation creates a "clean slate." As
such, from the moment of designation we cannot consider any
existing water use to be reasonable and beneficial or in the public
interest until such determinations are formally made by the Water
Commission.

(a) Sustainable yield

Using the "clean slate" concept, it cannot be stated that "There
should be no additional impact of this water use permit on the
sustainable yield ..." The existing use impacts the sustainable
yield of both windward and leeward aquifers. While the hydro-
geological boundary conditions of water management area may have
been somewhat established and defined by the diversion of water from these tunnels, this does not preclude diversion operations and boundary conditions from being changed to better serve the public interest.

(b) Instream Flow Standards

Using the "clean slate" concept, it cannot be stated that "There should be no additional impact of this water use permit on the Instream flow standards..." The existing use impacts the flow of both windward and leeward streams. While these diversions and uses may have been considered upon establishment of instream flow standards for the area, this does not preclude diversion operations from being changed to restore streamflows.

(c) Hawaiian Home Lands uses

Because reservations of water to Hawaiian Home Lands from windward aquifers are still pending, the proposed water uses could affect Hawaiian Home Lands use. Permitted use should be restricted to avoid any such effects.

Hawaiian Home Lands also has existing, projected, and potential water needs in leeward O'ahu which could be serviced by the same sources as those supplying applicant's proposed uses. Permitted use should be restricted to avoid any effects upon Hawaiian Home Lands' ability to access these sources as needed.

(d) Other existing legal uses

The sources of applicant's water uses also supply uses of windward stream water which are protected by the appurtenant and riparian rights of windward lands and by the constitutional rights of Native Hawaiians. Applicant's water uses already affect these existing legal uses. Permitted use should be restricted to end these existing effects and to avoid any such future effects.

(e) Other:

Applicant's water uses are part of a larger system which also uses water sources and transmission facilities on State Lands. When applicant's water licenses for use of these sources and facilities expire, its uses of water under the subject permit applications should be re-examined. Thus any permits issued under these applications should be of limited duration, corresponding to the expiration of affiliated State water licenses.

15. REMARKS, EXPLANATIONS

Applicant's Concluding remarks:

Applicant's statement that "Continued use of this high level water is vital to the economic continuance of Oahu Sugar Company--" must be reevaluated in light of the company's recent announcement of the
closing of its sugarcane operations. Any water use permit issued under these applications must specify that the permit will expire when plantation operations close.

While the continued diversion of this water may be "... essential to the continued beneficial use ... in Central and Leeward Oahu," the necessity of its use for "... potential development in Central and Leeward Oahu" does not appear to be the subject of these applications for existing water uses, and any such arguments in favor of these applications must be rejected. Any changes in use under water use permits (such as from agricultural use to other "potential development") requires issuance of new water use permits covering the new uses.

2. Kahala Hilton Wells 1646-05 & 06

8. QUANTITY OF WATER REQUESTED

Since one of the wells is for stand-by use only, it seems appropriate that these two applications be covered by a single water use permit for 2.88 mgd.

15.(d) Other existing legal uses affected

Because of their proximity to the shoreline, the operation of these wells may interrupt and otherwise disturb submarine discharges of brackish water which nourish shoreline ecosystems. Any such interruption and disruption affects the receiving waters' use of the source and Native Hawaiian use of the source, receiving waters, and affiliated ecosystems. Permitted use should be restricted to avoid any such effects.

3. Sea Life Park Wells 1939-01 & 02, 1940-02 & 11

1.(b) LANDOWNER

Ownership of the Sea Life Park site remains questionable. If the site is indeed privately owned or part of the Hawaiian Home Lands trust, the applications are invalid until signed by the rightful landowner.

8. QUANTITY OF WATER REQUESTED

Because Well 1940-02 is "regulated to standby basis," it seems appropriate that its use be attached to each of the other three permit applications for 4.32 mgd, rather than being the subject of a separate allocation and permit.

15.(c) Hawaiian Home Land Uses affected

Total extraction from these wells is almost 13 mgd. This implies a correlative wastewater discharge of close to the same amount. It
is this wastewater discharge which may affect water sources and water uses on adjacent Hawaiian Home Lands and in affiliated nearshore ecosystems. Permitted use should be restricted to avoid any such effects, particularly ecosystem effects which limit the availability of resources critical to traditional and customary Native Hawaiian practices.

15.(3) Other:

Other restrictions on use include the need for applicant to obtain water licenses from the Board of Land and Natural Resources. The use of 13 mgd of State seawater has great economic benefit to Sea Life Park, and it must pay the State for the privilege of extracting this economically-valued resource.

4. Honouliuli Unit Well 2101-14

1.(b) LANDOWNER

Land ownership in the West Loch area is disputed.

15.(d) Other existing legal uses affected

Operation of the well may affect the ability of Native Hawaiians to use the area for traditional and customary purposes. Permitted use should be restricted to avoid any such effects.

Mahalo

David L. Martin, Water Claims Manager

pc: Waiahole Irrigation Co., Ltd.
    Kahala Hilton
    Sea Life Park Hawaii
    U.S. Fish & Wildlife Service
STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
P. O. BOX 1879
HONOLULU, HAWAII 96808

September 3, 1993

The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Water Use Permits

Thank you for the opportunity to respond to these applications for the following water use permits:

- O'ahu
  - Waialua-Kunihiro (3407-02)
  - Waialae-Hilton (1646-05 & 06)

We have no objections in the Waialua case.

We note that several existing wells lie near the proposed brackish caprock well for the Hilton's cooler feedwater. The proposed withdrawal is substantial, and no mention is made of any impacts on these other groundwater sources. Testing should be required to determine any such impacts and appropriate permit conditions to limit impacts on other uses.

Warmest aloha,

Hoaliiku L. Drake, Chairman
Hawaiian Homes Commission
September 2, 1993

The Honorable Keith W. Ahue  
State of Hawaii  
Department of Land and Natural Resources  
Commission of Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809  
Attn: Mr. Manabu Tagomori, Deputy

Dear Mr. Ahue:

We have received the following water permit applications. Thank you for the opportunity to review these applications:

<table>
<thead>
<tr>
<th>Applicant Name</th>
<th>Area</th>
<th>Amount Requested (gpd)</th>
<th>Tax Map</th>
<th>Well Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>6,330,000</td>
<td>Various</td>
<td>3053-01</td>
</tr>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>2,520,000</td>
<td>Various</td>
<td>2853-01</td>
</tr>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>16,350,000</td>
<td>Various</td>
<td>2953-01</td>
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<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>1,480,000</td>
<td>Various</td>
<td>2953-02</td>
</tr>
<tr>
<td>Native Haw'n</td>
<td>Waialua</td>
<td>750,000</td>
<td>6-6-23:04</td>
<td>3407-02</td>
</tr>
<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
<td>2,880,000</td>
<td>3-5-23:39</td>
<td>1646-05</td>
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<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
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<td>3-5-23:39</td>
<td>1646-06</td>
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</tbody>
</table>

Our records indicate that wells Nos. 3053-01, 2853-01, 2953-01, 2953-02, and 3407-02 are on ceded land. We have no objections in granting water permits to the applicants listed above providing that: (i) DHHL's priority for water usage is met, and (ii) water needs of Kuleana users are fully guaranteed, but we have continuing concern over the diversion of high volumes of water from the Windward aquifer systems to meet increasing water demands of large users. We must caution that water is a commodity in short supply and the granting of water permits for large users may jeopardize current or future water needs of small landholders.

Sincerely yours,

Clayton H. W. Hee  
Chairperson  
Office of Hawaiian Affairs

LM:sk
I assume there are
for the WRTs that
g Went to Pub Not
8/6 & 8/13 8/27/93
and
8/12 / 8/19 9/02/93
copies for files.

1996-05-06
1993 August 30

State of Hawaii Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
(Public notice of July 27, 1993/Comments due August 30, 1993)

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use permit application processing and decisionmaking practices as previously submitted on numerous occasions (10/12/92, 10/21/92, 12/1/92, 6/22/93, & 7/8/93).

We also have specific comments on and objections to several of the applications listed in this notice, particularly those of Maui Department of Water Supply, State Department of Agriculture, Laie Water Co., Inc., and Campbell Estate. In each case NHAC represents water source registrants, water use declarants, water use permit applicants, and others with property interest in land within the hydrologic unit of the source of water supply who would be directly and immediately affected by the proposed water use.

Because of the complexity, importance, and late arrival of some of these applications to our office, we are requesting an extended review period (as provided on your memorandum) to September 3, 1993, when we will submit all objections and comments for both this set of applications and those whose objections due date is September 3.

Thank you for your consideration of this request.

David L. Martin

David L. Martin, Water Claims Manager
MEMORANDUM

TO: Rae M. Loui, Deputy Director  
Commission on Water Resource Management

FROM: Don Hibbard, Administrator  
Historic Preservation Division

SUBJECT: Application for Water Use Permit, Kahala Hilton  
Well No. 1646-05 &06  
Waialae, Kona, O'ahu  
TMK 3-5-23:039

August 27, 1993

Thank you for the opportunity to review this project. The applicant proposes to use water from existing sources. Since an approved permit will not authorize any ground disturbing activities we believe that there will be "no effect" on historic sites.

EJ:jt
PART I: USE OF WATER

Declarant's File Reference: **KAHALA HILTON**

1. Tax Map Key where the water is used: **3 - 5 - 03: 39**. Does the declarant own this land? **No**. If not, who does? **BISHOP ESTATE**

2. What is the water used for? **AIR CONDITION COOLING WATER**
   - If for irrigation, how many acres are being irrigated by crop type? **NA**
   - If for livestock, how many and what kind? _______________________
   - If for drinking, at how many houses? **NA** by how many people?

3. Is the quantity of water use being measured? **No**. If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:
   - How is the water taken from the system? _______________________
   - What is the capacity for taking (gpm)? _______________________
   - How often is it taken (used)? _______________________

PART II: WATER SOURCE

Source #: **16460-05**

Name: **WELL #1**

1. Where does the water come from / what kind of source is this? **WELL**

Types of sources include:
1) Wells (drilled, dug, tunnel)
2) Diversions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)

NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer)

4) Lstream (i.e., crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? **ELEC PUMP VOLTS 1150, SPEED 1200, 10" CL. OUTLET PIPE**
   - What is the capacity for taking (gpm)? _______________________
   - How often is it taken (used)? _______________________

3. Tax Map Key at the source: **3 - 5 - 03: 39**. Determine declarant’s relation to source. Does the declarant:
   1) Operate and maintain the source? **Yes** If not, who does? _______________________
   2) Own the land at the source? **No** If not, who does? **BISHOP ESTATE**
   3) Use the water from this source? **Yes** If not, who does? _______________________
   4) Own the land where the water is being used? **No**
   5) None of the above? **Yes** If so, why did they file? _______________________

4. Does any one else also use water from this source? **Yes** If yes, is their use included in this user’s declaration? **Yes** Who are the other users? **BISHOP ESTATE**

VERIFIED BY: **RICHARD JIMMAI**

DATE: **6/23/93**
FIELD INSPECTION INFORMATION CHECKLIST

PART I: USE OF WATER

Declarant's File Reference: KAHALO HILTON

1. Tax Map Key where the water is used: 3 - 5 - 23 : 39. Does the declarant own this land? NO If not, who does? BISHOP ESTATE

2. What is the water used for? AIR CONDITION COOLING WATER
   If for irrigation, how many acres are being irrigated by crop type? NA
   If for livestock, how many and what kind? ____________________________
   If for drinking, at how many houses? NA by how many people?

3. Is the quantity of water use being measured? NO If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:
   How is the water taken from the system? ____________________________
   What is the capacity for taking (gpm)? ____________________________
   How often is it taken (used)? ____________________________

PART II: WATER SOURCE

Source #: 1640 - 04 Name: NEW # 2
   LAT 21° 17' 32" LONG 157°40' 32"
   WELL

1. Where does the water come from / what kind of source is this? ____________________________

   Types of sources include:
   1) Wells (drilled, dug, tunnel)
   2) Divisions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer)
   4) Instream (i.e., crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? ELEC PUMP 1180 RPM VOL 2301/460 AMP 186/13 10°C I. OUTLET I. RE
   What is the capacity for taking (gpm)? ____________________________
   How often is it taken (used)? 24 HRS DAILY

3. Tax Map Key at the source: 3 - 5 - 23 : 39. Determine declarant's relation to source. Does the declarant:
   1) Operate and maintain the source? YES If not, who does?
   2) Own the land at the source? NO If not, who does? BISHOP ESTATE
   3) Use the water from this source? YES If not, who does?
   4) Own the land where the water is being used? NO
   5) None of the above? If so, why did they file?

4. Does any one else also use water from this source? YES If yes, is their use included in this user's declaration? NO Who are the other users? Did they file?
MEMORANDUM

TO:        Aquatic Resources
           Forestry and Wildlife
           Historic Preservation
           Land Management
           Natural Area Reserve System
           Office of Conservation and Environmental Affairs
           State Parks
           Water and Land Development
           Other Interested Parties

FROM:  Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: John Doe, Phone: 587-3142

( ) We have no comments
( ) We have no objections
☒ Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: John Doe, Date: 9/8/93
Oahu District Office has no objections provided that the applicant obtain the required Federal, State and County permits prior to initiating the proposed work.

Should you have any questions, please call John Dooling at 7-0433.
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
      Department of Hawaiian Home Lands

                          Dr. John C. Lewin, M.D., Director
      Department of Health

                          Mr. Clayton H. W. Hee, Chairperson
      Office of Hawaiian Affairs

                          Mr. Kazu Hayashida, Manager & Chief Engineer
      Honolulu Board of Water Supply

FROM: Keith W. Ahue, Chairperson
      Commission on Water Resource Management

SUBJECT: Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Kazu Hayashida

Response: Contact person: Herbert H. Minakami

( ) We have no comments
(X) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: KAZU HAYASHIDA
Manager and Chief Engineer

Phone: 527-6183

Date: 9/3/93
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
    Water Use Permit Applications
    Waialae Ground Water Management Area, Oahu

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We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ____________________________ Phone: ____________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ____________________ Date: 8/25/93
MEMORANDUM

To: Rae M. Loui, Deputy Director
   Commission on Water Resource Management

From: Henry Sakuda, Administrator
      Division of Aquatic Resources

Subject: Comments on Water Use Permit Applications for Kahala Hilton for Well Nos. 1646-05 and 1646-06 in the Waialae Ground Water Management Area, Oahu

The application is for two existing wells in the Waialae Golf Course. According to the information provided, approximately 5,760,000 gallons of brackish caprock water is pumped daily from the two wells to serve two air conditioner chillers. Although the quantity seems extremely large for such a purpose, there are no surface water biological resources in the area that would be affected. In addition, we note that these are existing wells that apparently predate the water code.
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: _____________________________ Phone: ________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST.

Signed: _____________________________ Date: __/26/93

(Handwritten annotations and signatures are present on the document.)
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ______________________ Phone: ______________________

☐ We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ______________________ Date: 28/2/1993
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Steve Tagama  Phone: 587-6685

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: 8/29/93
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: Phone: 587-0218

We have no comments
We have no objections
Comments attached
Additional information requested
Extended review period requested

Signed: Date: 8/21/93
MEMORANDUM

FROM: Rae M. Loui, Deputy Director

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Gordon Akita Phone: 79227

We have no comments  
We have no objections  
Comments attached  
Additional information requested  
Extended review period requested

Signed: MANABU TAGOMORI  
Date: 8/25/93
Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, HI 96816

Dear Mr. Wagner:

Enclosed is a copy of the public notice for your water use permit applications for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

Please be aware that there may be objections to your applications. If objections are made, the objector is required to file such objections with the Commission and is also required to send you a copy of the objections.

You, or any other party, may respond to objections by filing a brief in support of your applications with the Commission within ten (10) days of the filing of an objection. You, or the other party, must also send a copy of the response to the objector.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

LN:ko  
Encl.
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: ___________________________ Phone: __________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: __________
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
Department of Hawaiian Home Lands

Dr. John C. Lewin, M.D., Director
Department of Health

Mr. Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Mr. Kazu Hayashida, Manager & Chief Engineer
Honolulu Board of Water Supply

FROM: Keith W. Ahue, Chairperson
Commission on Water Resource Management

SUBJECT: Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Kazu Hayashida

Page 2

Response: Contact person: _______________________________ Phone: ___________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ____________________________________________ Date: ____________
Honorable Frank F. Fasi, Mayor  
City & County of Honolulu  
City Hall  
Honolulu, HI 96813  

Attn: Mr. Jeremy Harris  

Dear Mayor Fasi:  

Notice of Applications for Water Use Permits  
Waialae Ground Water Management Area, Oahu  

In accordance with the Department of Land and Natural Resource Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit applications for the Kahala Hilton for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin.  

In addition, Section 13-171-13(b) of our Administrative Rules states:  

"Within sixty days after receipt of notice of a permit application, the county shall inform the commission if the proposed use is inconsistent with the county land use plans and policies."  

We have attached copies of the applications for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.  

Very truly yours,  

[Signature]

KEITH W. AHUE  
Chairperson

[additional signatures]  

Enc.
PUBLIC NOTICE
Applications for Water Use Permits
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas".

Waiahole Ditch (Well No. 2853-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 9
Waialua, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waiahole Ditch, Well No. 2853-01, at Waiahole, Koolaupoko, Oahu,
Tax Map Key: 4-8-13:1
Quantity Requested: 2,520,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waialua at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 9
Waialua, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolaupoko, Oahu,
Tax Map Key: 4-8-14:3
Quantity Requested: 16,950,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waialua at various Tax Map Keys

Wallake Development Tunnel #2 (Well No. 2953-02)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 9
Waialua, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Wallake Development Tunnel #2, Well No. 2953-02, at Wallake,
Koolaupoko, Oahu, Tax Map Key: 4-8-14:5
Quantity Requested: 1,480,000 gallons per day.
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waialua at various Tax Map Keys

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **
# 5

*** SEND ***

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XEROX TELECOPIER 7020
PUBLIC NOTICE

Applications for Water Use Permits
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby
made public in accordance with Department of Land and Natural Resources Administrative
Rules 13-171, "Designation and Regulation of Water Management Areas".

Waiahole Ditch (Well No. 2853-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waiahole Ditch, Well No. 2853-01, at Waiahole, Koolaupoko, Oahu,
Tax Map Key: 4-8-13:1
Quantity Requested: 2,520,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolaupoko, Oahu,
Tax Map Key: 4-8-14:3
Quantity Requested: 16,350,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Waikane Development Tunnel #2 (Well No. 2953-02)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waikane Development Tunnel #2, Well No. 2953-02, at Waikane,
Koolaupoko, Oahu, Tax Map Key: 4-8-14:5
Quantity Requested: 1,480,000 gallons per day.
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys
Waikane Development Tunnel #1 (Well No. 3053-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waikane Development Tunnel #1, Well No. 3053-01, at Waikane, Koolaupoko, Oahu at Tax Map Key: 4-8-14:5
Quantity Requested: 6,330,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Kahala Hilton #1 (Well No. 1646-05)
Applicant: Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
Date Completed Application Received: April 29, 1993
Aquifer: Waialae System, Honolulu Sector, Oahu
Well Source: Kahala Hilton #1, Well No. 1646-05, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
Quantity Requested: 2,880,000 gallons per day
Existing Water Use: Two air conditioner chillers
Place of Water Use: 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kahala Hilton #2 (Well No. 1646-06)
Applicant: Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
Date Completed Application Received: April 29, 1993
Aquifer: Waialae System, Honolulu Sector, Oahu
Well Source: Kahala Hilton #2, Well No. 1646-06, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
Quantity Requested: 2,880,000 gallons per day
Existing Water Use: Two air conditioner chillers
Place of Water Use: 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kunihiro Well (Well No. 3407-02)
Applicant: Native Hawaiian Advisory Council
1088 Bishop St., Ste 1204
Honolulu, HI 96813
Date Completed Application Received: June 28, 1993
Aquifer: Waialua System, North Sector, Oahu
Well Source: Kunihiro Well, Well No. 3407-02, at 66-220 Kamooloa Rd, Oahu, Tax Map Key: 6-6-23:4
Quantity Requested: 750,000 gallons per day
Existing Water Use: Domestic service, irrigation for 4.5 acres of various crops, and aquaculture
Place of Water Use: 66-220 Kamooloa Rd, Waialua, HI at Tax Map Key: 6-6-23:4

(more)
Well 1 (Well No. 1939-01)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 1, Well No. 1939-01 at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 2 (Well No. 1939-02)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 2, Well No. 1939-02, at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well A (Well No. 1940-02)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: June 9, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well A, Well No. 1940-02, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 0 gallons per day
Existing Water Use: Standby basis for Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 3 (Well No. 1940-11)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 3, Well No. 1940-11, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

(more)
Honouliuli Unit (Well No. 2101-14)

**Applicant:** U.S. Fish & Wildlife
P.O. Box 50167
Honolulu, HI 96850

**Date Completed Application Received:** June 23, 1993

**Aquifer:** Waipahu-Waiawa System, Pearl Harbor Sector, Oahu

**Well Source:** Honouliuli Unit Well, Well No. 2101-14, at Pearl Harbor NWR, Oahu, Tax Map Key: 9-1-17:12

**Quantity Requested:** 432,000 gallons per day

**Existing Water Use:** Maintenance of habitat for endangered water birds

**Place of Water Use:** Pearl Harbor NWR - Honouliuli Unit at Tax Map Key: 9-1-17:12

Written objections or comments on the applications for water use permits may be filed by any person who has property interest in any land within the hydrologic unit of the source of water supply, any person who will be directly and immediately affected by the proposed water use, or any other interested person. Written objections shall: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; and (3) state all grounds for objections to the proposed permits. Send written objections by September 3, 1993 to 1) the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, and 2) a copy of the objection letter(s) to the applicant at the above address.

COMMISSION ON WATER RESOURCE MANAGEMENT

[Signature]
KEITH W. AHUE
Chairperson

Dated: **JUL 27 1993**

**STATE OF HAWAII**

**REQUISITION & PURCHASE ORDER**

**DEPARTMENT OF LAND AND NATURAL RESOURCES**

**CWRM**

**NOTICE TO VENDORS**

Conditions of purchase are listed on the back side of this purchase order. Please read carefully. Payments may be delayed if all steps are not followed.

Hawaii Newspaper Agency
Honolulu Star Bulletin
P.O. Box 3350
Honolulu, HI 96801 Attn: Legal Ad

The State of Hawaii is an EQUAL EMPLOYMENT OPPORTUNITY and AFFIRMATIVE ACTION employer. We encourage the participation of women and minorities in all phases of employment.

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**APPLICATIONS FOR WATER USE PERMITS, GROUND WATER MANAGEMENT AREA**

Publish in Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993

**COMMISION ON WATER RESOURCE MANAGEMENT**

Department of Land and Natural Resources
1151 Punchbowl Street; Room 227
Honolulu, Hawaii 96813

**BILLING ADDRESS**

COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
Honolulu, Hawaii 96809

**GOODS/SERVICES RECEIVED IN GOOD ORDER AND CONDITION BY**

**DATE**

**AUTHORIZED SIGNATURE**

A. FURUUCHI

**REQUISITION NO**

00166518

**VENDOR NUMBER**

117494 00

**SFX**

00

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</tbody>
</table>
Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, Hi 96816

Dear Mr. Wagner:

Application for a Water Use Permit  
Waialae Ground Water Management Area, Oahu

We acknowledge receipt, on May 19, 1993, of your completed water use permit applications for the KAHALA HILTON #1 and #2 Wells (Well Nos. 1646-05 and 1646-06). You can expect your application to be processed within ninety (90) days from the date of receipt unless there are objections to your application.

We will be sending you a copy of the public notice for your application and any further information regarding the status of your application. In addition, we may need to visit and verify your proposed water source and use sites if we have not done so already under our registration program.

If you have any questions, please contact Roy Hardy at 587-0274.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

RH:ko
<table>
<thead>
<tr>
<th>FROM:</th>
<th>TO:</th>
<th>INIT:</th>
<th>PLEASE:</th>
<th>FOR YOUR:</th>
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</table>

**DATE:** 4/29  
**FILE IN:**

**PLEASE:**
- See Me
- Call
- Review & Comment
- Take Action
- Investigate & Report
- Draft Reply
- Acknowledge Receipt
- Type Draft
- Type Final
- Xerox ___ copies

**FOR YOUR:**
- Approval
- Signature
- Information

---

"DON'T apply for 2 existing..." (signature: E. Sakoda)

"Please call Robert Wagner and have him verbally complete yellow areas. Please fill in w/red pen as I have done then just record date here 5/19."

"Also, have him send in maps also, make our submitted map, and make folder."
APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: Kahala Hilton
   Contact Person: Robert Wagner/L.E.
   Address: 5000 Kahala Avenue
   Honolulu, Hawaii 96816

2. WATER MANAGEMENT AREA: WAIKALAE
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Kahala Hilton Well #1 1M-05
   (well or stream diversion name/number)
   (b) PROPOSED (NEW) SOURCE NAME: 5000 Kahala Avenue

4. SOURCE LOCATION: Address 5000 Kahala Avenue
   Tax Map Key 16/46 3-5-23
   (Attach a USGS map, scale 1":2000", and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one): □ Stream □ Dike-continued □ Perched □ Caprock

6. METHOD OF TAKING WATER (check one): □ Artesian Flow □ Well & Pump □ Diverted Surface Flow □ Other (explain)

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Address 5000 Kahala Avenue
   Tax Map Key 16/46 3-5-23
   (b) Land Use District (check one): □ Urban □ Agriculture □ Conservation □ Rural
   (c) County Zoning (describe): □ Tax Map Key 16/46 3-5-23

8. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day

9. METHOD OF MEASUREMENT: □ Flowmeter □ Open-pipe □ Well □ Office □ Other (explain) pump curve

10. QUALITY OF WATER REQUESTED: □ Fresh □ Brackish □ Salt □ Potable □ Non-Potable

11. PROPOSED USE: □ Municipal (including hotels, stores, etc.) □ Domestic (individual, noncommercial, etc.) □ Irrigation
   □ Industrial □ Military □ Other (explain)

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain): Two - Air Conditioner - Chillers

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP: N/A

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 24 hours a day

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
   (a) Impact on Sustainable yield (7): N/A
   (b) Permanent or Interim Instream Flow Standards affected (7): N/A
   (c) Hawaiian Home Lands uses affected (7): N/A
   (d) Other existing legal uses affected (7): N/A
   (e) Other:

16. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back side)
REMARKS, EXPLANATIONS (cont'd):

[Blank lines]

[Blank lines]
APPLICATION FOR WATER USE PERMIT

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
Kahala Hilton
Firm/Name:
Contact Person: Robert Wagner/C.E.
Address: 5000 Kahala Avenue
Honolulu, Hawaii 96816

(b) LANDOWNER
Bishop Estate
Firm/Name:
Contact Person: Kalia Nahale
Address: 5000 Kaulawela Avenue
Honolulu, Hawaii 96816

2. WATER MANAGEMENT AREA:

3. (a) EXISTING SOURCE NAME AND STATE NUMBER:

(b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION:
Address: 5000 Kahala Avenue
Tax Map Key: 5-5-23:39

5. SOURCE TYPE (check one):

6. METHOD OF TAKING WATER (check one):

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)

8. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day - stand by only

9. METHOD OF MEASUREMENT:

10. QUALITY OF WATER REQUESTED:

11. PROPOSED USE:

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain):

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP:

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION:

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:

16. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back side)

NOTE: Signing below indicates that the applicant understands that a water use permit is granted by the Commission on Water Resource Management, a permit is subject to prior existing permitted uses, changes in sustainable yield and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted and approved by the Commission. A fee of $25.00 per permit is payable to the State of Hawaii, Department of Land and Natural Resources. The permit holder may be liable for penalties imposed by the Department of Land and Natural Resources and the extent of respondents liability is subject to the rules and regulations established by the Department of Land and Natural Resources.

Applicant (print) ___________________________ Landowner (print) ___________________________
Kahala Hilton Bishop Estate

Signature ___________________________ Signature ___________________________
Robert Wagner/C.E. Paul J. Emchhart, Manager

Date ___________________________ Date ___________________________

For Official Use Only:
Date Received ___________________________
Date Accepted ___________________________

Notice Date: ___________________________
Mayor ___________________________
BWS ___________________________
Mail Last ___________________________
Bulletin ___________________________
Public Hearing ___________________________

Hydrologic Unit No. ___________________________
Diversion Works No. ___________________________
State Well No. ___________________________
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</tr>
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</table>

KAAHALA HILTON HOTEL
500 Kahala Avenue, Honolulu, Hawaii 96816

Deposited 5/7/93
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 575, Honolulu, Hawaii 96809. Phone 548-3046 or 948-7442 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: __________
WELL NAME OR DESIGNATION: KAHALA HILTON WEL # 1
ISLAND: OAHU

A. WELL OPERATOR
Firm name: KAHALA HILTON
Contact person: ANDREI DE KEEF
Address: 1661 KAMOKULI RD. , #1501
HON. HI.
Zip: 96816 Phone: 834-2211

B. OWNER OF WELL SITE
Firm name: __________
Contact person: __________
Address: __________
Zip: __________ Phone: __________

C. WELL LOCATION
Tax Map Key: 16/46
Town, Place, District: KAHALA
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below. For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 105 ft.
Reference point (used to measure depth to water):
Elevation: __________
Description: __________
Depth to water (below reference point): 105 ft.
Maximum recorded chloride: 2 ppm
Minimum recorded chloride: 1 ppm
Maximum chloride in 1987: 2 ppm

Year drilled or constructed: 1967
Well contractor: LAYNE INTERNATIONAL INC
Casing diameter: 16 in.
Solid casing depth (below ground): 10 ft.
Perforated casing depth (below ground): 4 ft.
Total depth of well: 105 ft.
Minimum chloride in 1987: __________ ppm

E. INSTALLED PUMP DATA
Pump type: __________ Vertical shaft __________ Submersible __________
Centrifugal __________ Other (specify):
Power: __________ Diesel, __________ HP __________ Gas, __________ HP __________ Electric, __________ HP __________ Other (specify):
Pump capacity: __________ gallons per minute
Pump installation contractor: LAYNE INTERNATIONAL INC

(continued over)

For Official Use Only:
Date received: __________ Date accepted: __________
Field checked by: __________ Date: __________
Latitude: __________ Hydrologic Unit: __________
Longitude: __________ State Well No.: __________

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
# F. DECLARATION OF WATER USE

**NOTE:** The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  
- [ ] Daily  
- [ ] Weekly  
- [ ] Monthly  
- [ ] Other (Describe): ____________________________

Method of measurement:  
- [ ] Flow Meter  
- [ ] Orifice  
- [ ] Other (Describe): ____________________________

Quantitative Use: (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery.)

**WATER USE, IN GALLONS x 1000**

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Minimum day's use: 2,600,000 gallons  
Maximum day's use: 26,000 gallons

Typical times of usage: ____________

Type of Use (Check all category boxes that apply and provide additional information as indicated):  
- [ ] Municipal (including resorts, hotels, businesses)  
- [ ] Domestic (systems serving 25 people or less)  
- [ ] Irrigation  
- [ ] Industrial  
- [ ] Military  
- [ ] Other

Additional Information  
- Number of service connections: ____________  
- Acres irrigated: ____________________________

Crop(s):  
- [ ] Sugar  
- [ ] Pineapple  
- [ ] Other (specify): ____________________________

Non-Crop:  
- [ ] Landscape  
- [ ] Golf Course  
- [ ] Other (specify): ____________________________

Method:  
- [ ] Drip  
- [ ] Furrow  
- [ ] Sprinkler  
- [ ] Cooling  
- [ ] Manufacturing  
- [ ] Mill  
- [ ] Other (specify): ____________________________

Specify (livestock, aquaculture, etc.): ____________________________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ____________________________ Date: ____________

Printed Name: ____________________________

Firm or Title (Well Operator, etc.): ____________________________
STATE OF HAWAI'I
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 272, Honolulu, Hawaii 96809. Phone 548-3948 or 548-7542 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration forms for each well together with a single map or plot plan showing layout of wells.

<table>
<thead>
<tr>
<th>STATE WELL NO.</th>
<th>WELL NAME OR DESIGNATION: KAHUKA HI' UDIN</th>
<th>ISLAND: OAHU</th>
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<tbody>
<tr>
<td>SOURCE OR STATION NAME (for a battery of wells):</td>
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A. WELL OPERATOR

<table>
<thead>
<tr>
<th>Firm name: KAHUKA HI' UDIN</th>
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<tbody>
<tr>
<td>Contact person: ANDREAS DE KREEK</td>
</tr>
<tr>
<td>Address: 1561 KANAWU ST. #1001</td>
</tr>
<tr>
<td>HON. HI.</td>
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<td>Zip: 96761</td>
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B. OWNER OF WELL SITE

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<tr>
<td>Contact person:</td>
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<td>Zip:</td>
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C. WELL LOCATION

<table>
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<tr>
<th>Tax Map Key: 16/46</th>
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<tbody>
<tr>
<td>Town, Place, District: KAHUKA</td>
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</tbody>
</table>

Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA

For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below. For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

<table>
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<td>Description:</td>
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<tr>
<td>Elevation:</td>
</tr>
<tr>
<td>Year drilled or constructed: 1981</td>
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<td>Well contractor: KAWA REAL ESTATE</td>
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<tr>
<td>Casing diameter: 16 in.</td>
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<tr>
<td>Solid casing depth (below ground): 27.5 ft.</td>
</tr>
<tr>
<td>Perforated casing depth (below ground): 26.5 ft.</td>
</tr>
<tr>
<td>Total depth of well: 96.5 ft.</td>
</tr>
<tr>
<td>Maximum recorded chloride: 34.5 ppm</td>
</tr>
<tr>
<td>Minimum recorded chloride: 0 ppm</td>
</tr>
<tr>
<td>Maximum chloride in 1987: 0 ppm</td>
</tr>
</tbody>
</table>

E. INSTALLED PUMP DATA

<table>
<thead>
<tr>
<th>Pump type: Vertical shaft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power: Diesel, 75 HP</td>
</tr>
<tr>
<td>Pump capacity: 7500 gallons per minute</td>
</tr>
<tr>
<td>Pump installation contractor: NAWA REAL ESTATE</td>
</tr>
</tbody>
</table>

For Official Use Only:

<table>
<thead>
<tr>
<th>Date received:</th>
<th>Date accepted:</th>
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<tbody>
<tr>
<td>Field checked by:</td>
<td>Date:</td>
</tr>
<tr>
<td>Latitude:</td>
<td>Hydrologic Unit:</td>
</tr>
<tr>
<td>Longitude:</td>
<td>State Well No.:</td>
</tr>
</tbody>
</table>

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-187 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: Daily Weekly Monthly

Method of measurement: Flow Meter Orifice Other (describe): PRESSURE DROP MEASURE OVER METERING PLANT.

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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<td>December</td>
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<tr>
<td>ANNUAL</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Minimum day's use: 2,500,000 gallons Maximum day's use: 2,100,000 gallons

Typical times of usage: A.M.  Cool. afternoon and pen.

Type of Use (Check all category boxes that apply and provide additional information as indicated)::

- Municipal (including resorts, hotels, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation

Additional Information

Number of service connections: __________ Acres Irrigated: __________

Crop(s): Sugar Pineapple
Other (specify): __________ Non-Crop: Landscape Golf Course
Other (specify): __________

Method: Drip Furrow Sprinkler
Other (specify): __________

Cooling Manufacturing Mill
Other (specify): __________

Specify (livestock, aquaculture, etc.): __________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: __________________________ Date: __________

Printed, Name: __________________________

Firm or Title (Well Operator, etc.): __________________________
March 17, 1989

Mr. Bill Rozeboom
Department Of Land & Natural Resources
Commission On Water Resource Management
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Rozeboom:

Following our telephone conversation of March 14, 1989, I herewith enclose, to the best of our recollection, the information you requested pertaining to the use of wells at the Kahala premises.

For your information, we are using only one of our two wells 24-hrs daily all year round for the use of our air conditioning plant. Thus, the second well is used for stand-by only.

The water quality is basically equal to ocean water, therefore very corrosive. This explains why we do not have any other way of measure other than knowing the pressure drop which equals ± 2,000 gpm.

With regards to #1646-03 on the enclosed map, we do not recall this information on our premises, therefore please disregard it. I have however, indicated the approximate location of our two wells with two red dots on the map.

I trust that this information is adequate, should you have any further questions regarding this matter, please do not hesitate to call me at 734-2211 ext. 7030.

Sincerely yours,

Andreas de Kreek
Chief Engineer

ADK:jen
Enclosure
Map of the Island of Oahu, scale 1:62,500, 1954, is available.

HONOLULU, HAWAII
N2115—W15746.5/7.5
1969

Kahala Hilton Hotel

OAHU
The Kahala Hilton  
Hilton Hawaiian Village  
Honolulu, Hawaii. 

Att. Mr. Frank Swadley,  
Project Manager

Gentlemen:

We have today completed the drilling and casing of the 12" well at the Kahala Hilton in accordance with my proposal of May 2 and your letter of acceptance of even date.

This well is 150 feet deep and cased with standard 12" black steel pipe to 116 feet where it was driven into the rock and cemented. Open hole continues in rock which, in places, is very hard.

Water came in at a depth of 136 feet and rose to 6' below the 12" flange on the casing. This is probably sea level though no actual levels have been run. Here it remains. This is not artesian water but rather a very saline water. The geologists have explained that at this depth we are not in the Koolau rock which would yield the fresh artesian water as we had looked for but in a more recent flow known as the Honolulu series. We do not know how deep the Koolau is at this location.

The well was pumped at the rate of 600 g.p.m. for one half hour. This was as long as we could run as the storm drain was obstructed due to operations in the beach area. But this was long enough to indicate, without doubt, that 800 g.p.m. and more, are available. At 600 g.p.m. the draw-down was but 36". See pump test data attached on separate sheet.

Mr. Waugh Smith was present on the site directly after the test and discussed the subject with Mr. Sam Wong of the U. S. Geological Survey. Mr. Wong assisted with the test and later tested the water for salinity. A sample was also taken and given to the Board of Health for bacteria analysis. A copy of this finding is also attached.
Although the salt water is a direct reversal of what we had anticipated it is completely satisfactory to Mr. Smith as his equipment is designed for it and it will make a better lagoon condition.

Our equipment is now being removed from the site and the well will be temporarily secured. When you can give me the correct desired elevation, we will weld a 12" flange on the top of the casing.

Statement covering the work is enclosed.

Very truly yours,

MW/rw

Hat Whiton

B&/Health Test 5/2/63
MPH/Ind. Negative
SR. Sacr Code 30
Bio. Medical Grade

[Handwritten notes]
May 31, 1963

Pump Test

4" pump. Measurements refer to face of 12" flange on well casing.

<table>
<thead>
<tr>
<th>Time</th>
<th>Rate</th>
<th>Water level</th>
<th>Draw down</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:50</td>
<td></td>
<td>6' 3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:51</td>
<td></td>
<td></td>
<td></td>
<td>Start pump</td>
</tr>
<tr>
<td>8:54</td>
<td>263</td>
<td>6' 4½&quot;</td>
<td>1½&quot;</td>
<td>Sample No. 1 18,700 p.p.m.</td>
</tr>
<tr>
<td>9:05</td>
<td>263</td>
<td>6' 4&quot;</td>
<td>1&quot;</td>
<td>Sample No. 2 18,900 p.p.m.</td>
</tr>
<tr>
<td>9:09</td>
<td></td>
<td></td>
<td></td>
<td>Increase pump speed</td>
</tr>
<tr>
<td>9:10</td>
<td>600</td>
<td>6' 7&quot;</td>
<td>4&quot;</td>
<td>Sample No. 3 18,600 p.p.m.</td>
</tr>
<tr>
<td>9:22</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Temperature 73 degree</td>
</tr>
<tr>
<td>9:28</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Sample No. 4 19,700 p.p.m.</td>
</tr>
<tr>
<td>9:29</td>
<td></td>
<td></td>
<td></td>
<td>Stop pump - drain plugged - flooding area</td>
</tr>
<tr>
<td>9:32</td>
<td></td>
<td>6' 1&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:35</td>
<td></td>
<td>6' 1&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water very clear throughout
Note: Sea water is approx. 20,000 p.p.m.

Test by: Sam Wong, U.S. Geological Survey
Mat Whiton - Drilling Contractor & crew
Rough Sketch of
SALT WATER WELL
Drilled at
KAHALA: HILTON HOTEL
by
NAT WHITNE
May - 1963

- 10' - Ground Surface
Approx. 110.0

- 2 1/2" Casing

- 116' - End of Casing

- Open Hole

- 136' - First Water

- 150' - End of Hole

Temporary Cover

Hard Rock

Medium Rock

Alternating Shale & Limestone

See Plans No.

May 31, 1963
REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3048 or 548-7563 for assistance.

BATTERY OF WELL: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 1646-056
WELL NAME OR DESIGNATION: KAHALA HILTON
ISLAND: OAHU

SOURCE OR STATION NAME (For a battery of wells): KAHALA HILTON

A. WELL OPERATOR
Firm name: KAHALA HILTON
Contact person: ANDERS DE KREEK
Address: 1641 KANAWA ST. #100
HON., HI.
Zip: 96816 Phone: 734-2211

B. OWNER OF WELL SITE
Firm name:
Contact person:
Address:
Zip: Phone:

C. WELL LOCATION
Tax Map Key: 1646
Town, Place, District: KAHALA
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 105 ft.
Reference point (used to measure depth to water): Elevation: ft.
Description:

Depth to water (Below reference point): 35 ft.
Maximum recorded chloride: 2013 ppm
Minimum recorded chloride: 47 ppm
Maximum chloride in 1987: 233 ppm

E. INSTALLED PUMP DATA
Pump type: Vertical shaft
Power: Diesel, 40 HP
Pump capacity: 2000 gallons per minute
Pump installation contractor:

For Official Use Only:
Date received: 3-26-84 Date accepted:
Field checked by: __________ Date: __________
Latitude: 21° 16' 21" Hydrologic Unit:
Longitude: 157° 46' 32" State Well No.: 1646-056

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State’s water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly □ Other (Describe):

Method of measurement: □ Flow Meter □ Orifice □ Other (Describe): PRESSURE DROP MEASURE OVER AIR CONDITIONING PLANT.

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

<table>
<thead>
<tr>
<th>WATER USE, IN GALLONS x 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
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<tr>
<td>* Minimum day’s use: 2,880,000 gallons</td>
</tr>
</tbody>
</table>

Typical times of usage: AIR CONDITION AND PEAK

Type of Use (Check all category boxes that apply and provide additional information as indicated):

- **Category**
  - □ Municipal (including resorts, hotels, businesses)
  - □ Domestic (systems serving 25 people or less)
  - □ Irrigation
  - □ Industrial
  - □ Military
  - □ Other

- **Additional Information**
  - Number of service connections: ____________________________
  - Acres Irrigated: ____________________________
  - Crop(s): □ Sugar □ Pineapple □ Other (specify): ____________________________
  - Non-Crop: □ Landscape □ Golf Course □ Other (specify): ____________________________
  - Method: □ Drip □ Furrow □ Sprinkler □ Cooling □ Manufacturing □ Mill □ Other (specify): ____________________________
  - Specify (livestock, aquaculture, etc.): ____________________________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User’s Signature: ____________________________ Date: ____________________________

Printed Name: ____________________________

Firm or Title (Well Operator, etc.): ____________________________
REGISTRATION OF WELL AND DECLARATION OF WATER USE

STATE WELL NO.: W46-045
WELL NAME OR DESIGNATION: KAHALU KUION WEL # 1.

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR

Firm name: KAHALU KUION
Contact person: ANGELO DE KREEK
Address: 1620 KAHALU TRL. # 1601
Hon, HI.
Zip: 96816 Phone: 733-2211

B. OWNER OF WELL SITE

Firm name: 
Contact person: 
Address: 
Zip: Phone:

C. WELL LOCATION

Tax Map Key: 1646 Town, Place, District: KAHALU
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA

For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete item below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 105 ft.
Reference point (used to measure depth to water):
Elevation: 105 ft.
Description:
Depth to water (below reference point): 105 ft.
Maximum recorded chloride: 105
Minimum recorded chloride: 105
Maximum chloride in 1987: 105

Year drilled or constructed: 1967
Well Contractor: LAYNE INTERNATIONAL INC
Casing diameter: 16 in.
Solid casing depth (below ground): 105 ft.
Perforated casing depth (below ground): 105 ft.
Total depth of well: 105 ft.

SAWY WATER

E. INSTALLED PUMP DATA

Pump type: Vertical shaft
Submersible
Centrifugal
Other (specify):
Power: Diesel, 10 HP
Gas, 10 HP
Electric, 10 HP
Other (specify):
Pump capacity: 2000 gallons per minute
Pump installation contractor: LAYNE INTERNATIONAL INC

... (continued over)

For Official Use Only:
Date received: 10-20-99 Date accepted: ____________
Field checked by: _______ Date: _______ 
Comments: 

Latitude: 21° 16' 92" Hydrologic Unit: 110-4-10-D45
Longitude: 157° 45' 51" State Well No.: W46-045

References: Hawaii Revised Statues, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  □ Daily  □ Weekly  □ Monthly  □ Other (describe): ____________  _______

Method of measurement: □ Flow Meter  □ Orifice  □ Other (describe): PRESSURE DROP MEASURE COUNTERS.

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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<td>January</td>
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<td>February</td>
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<td>1051400</td>
<td>1051400</td>
<td>1051400</td>
<td>1051400</td>
</tr>
</tbody>
</table>

Minimum day's use: 2,820,000 gallons  Maximum day's use: 2,820,000 gallons

Typical times of use: — — 3:00 p.m. — —

Type of Use (Check all category boxes that apply and provide additional information as indicated):

- Municipal (including resorts, hotels, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation
- Industrial
- Military
- Other

Number of service connections: ____________

Acres Irrigated:

Crop(s): □ Sugar □ Pineapple □ Other (specify):

Non-Crop: □ Landscape □ Golf Course □ Other (specify):

Method: □ Drip □ Furrow □ Sprinkler □ Cooling □ Manufacturing □ Mill □ Other (specify):

Specify (livestock, aquaculture, etc.): ____________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ______________________ Date: ____________

Printed Name: _______________________________

Firm or Title (Well Operator, etc.): ___________________________
WELL DRILLING PERMIT

for

Kahala Hilton Hotel Well
Honolulu, Oahu

TO: Kahala Hilton Hotel
5000 Kahala Avenue
Honolulu, Hawaii 96816

Your application for a permit to drill a well has been approved:

Gr. Elevation: 9.9 ft., msl
Casing Dia.: 20 inches
Casing Depth: 75 ft.
Total Depth: 100 ft.
Pump Capacity: 2800 gpm
Use: Cooling and porpoise pond

You are hereby granted permission to drill the above described well, in accordance with Department Regulation 9, subject to the following conditions:

1. A copy of the driller's logs, "as-built" drawing, and completed Driller's Report shall be submitted to the Department.

2. The well shall be tested for yield, drawdown, and chloride content and the data reported in the Driller's Report.

Enc.: Driller's Report form

SUSUMU ONO, Chairman of the Board

February 11, 1981
Date of Issue

bcc: Honolulu BWS, USGS, Dept of Health
TO: Department of Land and Natural Resources  
Division of Water and Land Development  
P. O. Box 373  
Honolulu, Hawaii 96809

GENTLEMEN:

WE ARE SENDING YOU □ Attached □ Under separate cover via [ ] the following items:

□ Shop drawings  □ Prints  □ Plans  □ Samples  □ Specifications

□ Copy of letter  □ Change order  □

<table>
<thead>
<tr>
<th>COPIES</th>
<th>DATE</th>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Application for Well Drilling Permit</td>
</tr>
</tbody>
</table>

THESE ARE TRANSMITTED as checked below:

□ For approval □ Approved as submitted □ Resubmit ___ copies for approval

□ For your use □ Approved as noted □ Submit ___ copies for distribution

□ As requested □ Returned for corrections □ Return ___ corrected prints

□ FOR BIDS DUE _______ 19 _______ □ PRINTS RETURNED AFTER LOAN TO US

REMARKS

__________________________________________

COPY TO

SIGNED

If enclosures are not as noted, kindly notify us
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area? Yes ☒ No ☐
If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land's Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island: Oahu Tax Map Key: 3-5-23:39. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER KAHALA HILTON HOTEL Telephone 734-2211
   Address 5000 Kahala Avenue, Honolulu, Hawaii
   Zip Code 96816

3. PROPOSED DRILLING COMPANY: WATER RESOURCES INTERNATIONAL, INC

4. PROPOSED WORK: ☐ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal
   ☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump
   Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

5. PROPOSED SECTION OF WELL

   Elevation at top of casing 11.0 ft. msl.
   Ground Elev. 9.89 ft. msl*
   Cement Grout 75 ft.
   Hole Dia. 24 in.
   Total Depth 100 ft.
   Rock Packing None.
   Solid casing:
   Material: Steel
   Length: 75 ft.
   Diameter: 20 and 16 in.
   Wall thickness: in.
   Casing:
   ☐ Perforated ☐ Screeded
   Material: None
   Length: ft.
   Diameter: in.
   Wall thickness: in.
   Openings sq. in./L.F.
   Hole:
   Length: 25 ft.
   Diameter: 15 in.

*Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial
   ☐ Domestic ☐ Disposal ☐ Other (specify) _________

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
   ☐ Daily 4 MGD gallons ☐ Monthly gallons ☐ Yearly gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 2800 gallons per minute

Signature: KAHALA HILTON HOTEL
Date: December 17, 1980

Signature: __________________________
Water User

Signature: __________________________
Landowner of Well Site
Date: __________________________

For Official Use:
State Well No. __________________________
DLNR Permit No. __________________________
DLNR Application No. __________________________
RECEIVED
81 JAN 12  A9:49
DIV. OF WATER &
LAND DEVELOPMENT
The Honorable Keith W. Ahue
Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Withdrawal of Objections

The Department of Hawaiian Home Lands has been in a position to raise objections to various applications for water use permits, particularly in Windward O'ahu, on the basis that water reservations were yet required to meet statutory obligations to Hawaiian home lands.

Please be advised that as the proposed water reservations in O'ahu and Moloka'i water management areas are finalized, our objections for this reason are thereby withdrawn.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission

HLD:BH:ci/1608L.77
MINUTES

FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: October 13, 1993
TIME: 9:00 a.m.
PLACE: Board Room
Kalanipono Building
1151 Punchbowl Street
Honolulu, Hawaii

ROLL CALL: Chairperson Ahue called the meeting of the Commission on Water Resource Management to order at 9:09 a.m.

The following were in attendance:

MEMBERS: Mr. Keith Ahue
Mr. Richard Cox
Dr. John L. Lewin
Mr. Robert Nakata
Mr. J. Douglas Ing

EXCUSED: Mr. Guy Fujimura

STAFF: Ms. Rae Loui
Mr. Edwin Sakoda
Mr. Roy Hardy
Mr. Eric Hirano
Ms. Lenore Nakama
Ms. Sharon Kokubun

COUNSEL: Mr. William Tam

OTHERS:

Winifred Miller
Guy Nakamoto
Creighton Mattoon
Warren Iwasa
Conrad Shiroma
Dave Martin
Wright Hiatt
George Young
Kent Smith
Garrett Goo
Chester Lao
Norman Quon
Edsel Yamada
Reynolds Burkland
Mr. Iida

Kahalaomapuana Wasson
Jim Anthony
Karen Piltz
Barry Ching
Elizabeth Martin
Wayne Akana
Keith Krueger
Laverne Higa
Ruby & Gene Montogomery
Laura Thielen
Ken Ishizaki
Peter Lenhart
David Taogoshi
Keith Haugen

All written testimonies submitted at the meeting are filed in the Commission office and are available for review by interested parties. Some items were taken out of sequence to accommodate requests by applicants or interested parties.

AGENDA 1

ITEM 1 MINUTES OF THE SEPTEMBER 15, 1993 MEETING

Unanimously approved (Cox/Nakata).
ITEM 6  BIG ISLAND COUNTRY CLUB ESTATES. APPLICATION FOR A PUMP INSTALLATION PERMIT. BIG ISLAND COUNTY CLUB WELL 1 (WELL NO. 4950-01), PUU ANAHULU, NORTH KONA, HAWAII

Mr. Sakoda added the following to Condition 2:

"The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission."

Unanimously approved as amended (Cox/Nakata).

ITEM 7  CLAYTON HAUMEA, APPLICATION FOR A PUMP INSTALLATION PERMIT. MAILI-TOMITA WELL (WELL NO. 2402-24), MAILE, OAHU

Unanimously approved (Cox/Nakata).

ITEM 8  EXTENSION: NANSAY HAWAII, INC. WELL CONSTRUCTION PERMIT. OULL-NANSAY WELL 2 (WELL NO. 6146-01), OULL, SOUTH KOHALA, HAWAII

Mr. Ing was excused from acting on this permit since his law firm represents the company.

Unanimously approved (Lewin/Cox).

ITEM 9  EXECUTIVE SESSION: KOOLAU AGRICULTURAL CO., LTD. VS. THE COMMISSION ON WATER RESOURCE MANAGEMENT.

The Commission adjourned to an executive session to discuss Koolau Agricultural vs. the Commission litigation (Cox/Nakata).

AGENDA 3

The meeting was called to order at 1:11 p.m.

ITEM 1  DEFERRAL OF WATER USE PERMIT APPLICATIONS, OAHU WATER MANAGEMENT AREAS

Unanimously approved (Nakata/Cox).

ITEM 2  RUBY MONTGOMERY, APPLICATION FOR WATER USE PERMIT. RL MONTGOMERY WELL (WELL NO. 2751-08), KOOLAUPOKO GROUND WATER MANAGEMENT AREA, OAHU

Unanimously approved with staff's deletion of Recommendation 1d regarding DHHL reservation (Ing/Lewin).

ITEM 3  KAHALA HILTON, WATER USE PERMIT APPLICATIONS. KAHALA HILTON #1 AND #2 WELLS (WELLS NOS. 1646-05 & 06), WAIALAE-WEST GROUND WATER MANAGEMENT AREA, OAHU

Mr. Ing asked to be excused from acting on this permit since his firm represents the applicant. Standard Condition #11 will be amended to require a yearly submission.
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kahala Hilton
Water Use Permit Applications
Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06)
Waialae-West Ground Water Management Area, Oahu

Applicant: Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816

Landowner: Bishop Estate
567 S. King Street
Honolulu, HI 96813

Background

The applicant submitted completed water use permit applications to the Commission on May 19, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

These two existing sources use salt water from the Waialae-West Aquifer System for cooling two air conditioner chillers. Following this primary use, the water is routed to a waterfall feature on the hotel grounds. The applicant requests an allocation of 2.88 million gallons per day (mgd) of salt water from each of the Kahala Hilton Wells #1 & #2 (Well Nos. 1646-05 & 06) for a total of 5.76 mgd. The Kahala Hilton #1 Well is the primary source of the salt-water supply. The Kahala Hilton #2 Well is a standby salt-water supply. The sources and use described in this permit application were registered and declared in May 1989 and verified from a field investigation conducted on August 23, 1993.

As part of the registration process, actual monthly water use data for the five-year period from 1983 through 1987 were submitted, although this use has been in existence for over 20 years. Because of the proximity of the wells to the ocean and the assumed negligible effect of the salt-water withdrawals on the aquifer system, staff has not pursued actual monthly water usage for the current period. However, a standard condition of a water use permit for this existing amount is that the applicant submit monthly water use reports. Salt-water withdrawals are measured based on the pressure drop over the air conditioning plant. Using this method, the average withdrawal from the Kahala Hilton #1 Well (Well No. 1646-05) was consistent at 2.88 mgd based on the available data. No water was withdrawn from the Kahala Hilton #2 Well (Well No. 1646-06) during this same period. Therefore, Kahala Hilton #2 Well is actually a back-up well.

The wells are located at the shoreline near Kahala Beach Park at an altitude of about 10 feet (see Exhibit 1). The active source is solidly cased to 106 feet below the ground surface and taps salt water underlying the aquifer at depths of up to 136 feet below mean sea level. No wells are located downgradient. The Office of Hawaiian
Chairperson and Members  
Commission on Water Resource Management  
October 13, 1993

Affairs has suggested that tests be conducted to determine the impacts of withdrawals from this source on other existing uses. However, this request is for an established salt-water source from which water has been used for several decades; therefore, other local wells, streams, and the Waialae Aquifer System should not experience any impact from continued use of this water.

The Native Hawaiian Advisory Council has questioned the effect of the salt-water withdrawals on submarine discharges of brackish water and the resultant impact on shoreline ecosystems. The Division of Aquatic Resources agrees there is a potential for impacting near-shore ecosystems; however, at this time, such impacts are difficult to determine and unquantifiable. Presently, very little is known about the characteristics of ground-water discharge into the ocean, and less is understood of its role in the marine environment.

A request for reservation of water from state lands for Hawaiian Home Lands has been submitted to the Commission by the Dept. of Hawaiian Home Lands (DHHL). Although state-owned lands do exist within the aquifer system boundary, the reservation ruling should not affect this use of salt water in the Waialae-West Aquifer System. The pending request by DHHL should not prohibit Commission action on this permit application within this particular aquifer system.

RECOMMENDATION

1. The Commission approve the issuance of an interim water use permit to the Kahala Hilton to use a total of 2,880,000 gallons per day of salt water for use from the Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06), subject to the standard water use permit conditions listed in Attachment B and the following special conditions:

a. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

b. The issuance of the permit shall be withheld until the reservation of water for the Dept. of Hawaiian Home Lands is set by rule. Until the reservation issue is resolved, the applicant may continue this existing use of water within the limits approved by the Commission.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Approved as

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER: Waialae-West System, Honolulu Sector, Oahu
Sustainable Yield: 4 mgd
Existing Water Use Permits: 1.99 mgd
Available Allocation: 2.01 mgd
Total of other pending allocations: 0.20 mgd

WELL: Kahala Hilton #1 Well (Well No. 1646-05)
Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
Year Drilled: 1967
Casing Diameter: 16 in.

Elevations (msl = 0 ft.)
Water Level: NA ft.
Ground: 10 ft.
Bottom of Solid Casing: -96 ft.
Bottom of Perforated: -136 ft.
Bottom of Open Hole: -136 ft.

Total Depth: 146 ft.
Grouted Annulus Depth: NA ft.

WELL: Kahala Hilton #2 Well (Well No. 1646-06)
Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
Year Drilled: 1981
Casing Diameter: 16 in.

Elevations (msl = 0 ft.)
Water Level: NA ft.
Ground: 10 ft.
Bottom of Solid Casing: -65 ft.
Bottom of Perforated: NA ft.
Bottom of Open Hole: -135 ft.

Total Depth: 145 ft.
Grouted Annulus Depth: NA ft.
Use Information

1. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Cooling water for two air conditioner chillers
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39

   Reported Water Usage: 2.88 mgd
   Nearby Similar Water Usage: NA mgd

2. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Standby salt-water supply well
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39

   Reported Water Usage: 0 mgd
   Nearby Similar Water Usage: NA mgd

Waialae-West Aquifer System
Current 12-Month Moving Average Withdrawal: 0.411 mgd
(% of SY) 10.5%

Nearby Surrounding Wells and Other Registered Ground Water Use

There are nine (9) other wells within a mile of these wells (see Exhibit 1). Four (4) of these wells are currently in use. Information from the registration program indicates there are possibly six (6) existing wells in the Waialae-West Aquifer System. Several of these wells have been initially field checked but many of the declarants, including the larger users, have not been completely field verified. Several are not in use or are rights claims. The Oahu Water Management Plan estimated that the existing withdrawals from both the Waialae-West and -East Aquifer Systems are 5.2 mgd as of 1990 (the total estimated sustainable yield for both systems is 6.0 mgd).

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on August 12, 1993 and August 19, 1993 and copies of the notice were sent to the Mayor's office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources & Historic Preservation Divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by September 3, 1993.

Objections/Comments

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by September 3, 1993.

To the best of staff's knowledge there are no objectors who have property interest

ATTACHMENT A
Chairperson and Members
Commission on Water Resource Management

October 13, 1993

within the Waialae-West Aquifer System or who will be directly and immediately affected by the proposed water use. All objections and/or comments to the application are summarized as follows:

<table>
<thead>
<tr>
<th>Objector/Commentor</th>
<th>Objection/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHAC</td>
<td>General process of water use permit applications. Permitted use should be restricted to avoid effects on shoreline ecosystems.</td>
</tr>
<tr>
<td>DOFAW</td>
<td>No objections.</td>
</tr>
<tr>
<td>DAR</td>
<td>No effects on surface water biological resources.</td>
</tr>
<tr>
<td>HPD</td>
<td>No effect on historic sites.</td>
</tr>
<tr>
<td>OHA</td>
<td>Testing should be required to determine and limit impacts on other uses.</td>
</tr>
</tbody>
</table>

**Briefs in Support**

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and, presumably, copies are served to the applicant. No briefs in support were filed with the Commission.

**Field Investigation**

The water source and existing use was investigated on August 23, 1993. The investigation(s) verified the applicants request for water use permit.

ATTACHMENT A
STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act.

4. The ground water must not interfere with surface or ground water rights or reservations.

5. The ground water use must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its October 13, 1993 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

ATTACHMENT B
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source is not existing, the development of the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance the Commission's September 16, 1992 action on reporting requirements;

12. The water use permit shall be subject to the Commission's periodic review of the applicable aquifer's sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Waialae-West Aquifer System, or relevant modified aquifer, is reduced;

13. The water use permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HAR §13-171-25 and the requirements of Chapter 174C, the Commission has the authority to allow the transfer of the permit and the use rights granted by the permit in a manner consistent with HAR §13-171-25. Any such transfer shall only occur with the Commission's prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall request modification of the permit when necessary to comply with all applicable laws, rules, and ordinances which will affect the permittee's water use.

16. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Waialae-West Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, as allowed under HAR §13-171-21. The final determination of the water use quantity shall be made within five years of the filing of the application to continue the existing use.

18. The water use permit shall be issued only after AG review.

ATTACHMENT B
September 13, 1993

Mr. Keith Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Subject: Your Letter of August 19, 1993 on the Applications for Water Use Permits for Waiahole Irrigation Co. Wells 2853-01, 2953-01, 2953-02 and 3053-01, Windward Oahu; Kahala Hilton Wells No. 1646-05, 06, Honolulu; Sea Life Park Hawaii Wells No. 1939-01, 02, Wells No. 1940-02, 11, Makapuu, Waimanalo, Oahu; U. S. Fish and Wildlife Well No. 2101-14, Pearl Harbor, Oahu; Native Hawaiian Advisory Council - Kunihiro Well No. 3407-02, Waialua, Oahu

Thank you for the opportunity to comment on these applications for water use permits which are primarily for existing uses. Although we have no objections to the issuance of water use permits for these wells, we have the following comments on two of the applications.

1. **Waiahole Irrigation Co.**

   With the announced closing of Oahu Sugar Company and the lack of need for the Waiahole Ditch water for sugar cane, we request that the State start immediately to take the necessary actions to preserve this high quality water for other uses.

2. **NHAC-Kunihiro Well No. 3407-02**

   The effects of the increased use of water from this well on the yield and water quality of the other nearby flowing wells should be considered.

Warm personal regards.

Sincerely,

[Signature]

FFF:js
cc: Jeremy Harris, Managing Director
1993 September 3

State of Hawaii Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
(Public notice of July 27, 1993/Comments due September 3, 1993)

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use permit application processing and decisionmaking practices as previously submitted on numerous occasions (10/12/92, 10/21/92, 12/1/92, 6/22/93, & 7/8/93).

SPECIFIC OBJECTIONS

NHAC represents water source registrants, water use declarants, water use permit applicants, and others with property interest in land within the hydrologic units of the sources of water supply who would be directly and immediately affected by the proposed water uses.

1. Waiahole Irrigation Co, Ltd. 2853-01, 2953-01, 02, 3053-01, 3154-01

14. POTENTIAL RESTRICTIONS ON WATER USE

The fact that these water uses are "... of long standing diversion and use" is irrelevant to the question of water use permitting under designation and to questions of potential restrictions on water use. We have been repeatedly told by the Attorney General that water management area designation creates a "clean slate." As such, from the moment of designation we cannot consider any existing water use to be reasonable and beneficial or in the public interest until such determinations are formally made by the Water Commission.

(a) Sustainable yield

Using the "clean slate" concept, it cannot be stated that "There should be no additional impact of this water use permit on the sustainable yield ..." The existing use impacts the sustainable yield of both windward and leeward aquifers. While the hydrogeological boundary conditions of water management area may have
been somewhat established and defined by the diversion of water from these tunnels, this does not preclude diversion operations and boundary conditions from being changed to better serve the public interest.

(b) Instream Flow Standards

Using the "clean slate" concept, it cannot be stated that "There should be no additional impact of this water use permit on the Instream flow standards..." The existing use impacts the flow of both windward and leeward streams. While these diversions and uses may have been considered upon establishment of instream flow standards for the area, this does not preclude diversion operations from being changed to restore streamflows.

(c) Hawaiian Home Lands uses

Because reservations of water to Hawaiian Home Lands from windward aquifers are still pending, the proposed water uses could affect Hawaiian Home Lands use. Permitted use should be restricted to avoid any such effects.

Hawaiian Home Lands also has existing, projected, and potential water needs in leeward O'ahu which could be serviced by the same sources as those supplying applicant's proposed uses. Permitted use should be restricted to avoid any effects upon Hawaiian Home Lands' ability to access these sources as needed.

(d) Other existing legal uses

The sources of applicant's water uses also supply uses of windward stream water which are protected by the appurtenant and riparian rights of windward lands and by the constitutional rights of Native Hawaiians. Applicant's water uses already affect these existing legal uses. Permitted use should be restricted to end these existing effects and to avoid any such future effects.

(e) Other:

Applicant's water uses are part of a larger system which also uses water sources and transmission facilities on State Lands. When applicant's water licenses for use of these sources and facilities expire, its uses of water under the subject permit applications should be re-examined. Thus any permits issued under these applications should be of limited duration, corresponding to the expiration of affiliated State water licenses.

15. REMARKS, EXPLANATIONS

Applicant's Concluding remarks:

Applicant's statement that "Continued use of this high level water is vital to the economic continuance of Oahu Sugar Company--" must be reevaluated in light of the company's recent announcement of the
closing of its sugarcane operations. Any water use permit issued under these applications must specify that the permit will expire when plantation operations close.

While the continued diversion of this water may be "... essential to the continued beneficial use ... in Central and Leeward Oahu," the necessity of its use for "... potential development in Central and Leeward Oahu" does not appear to be the subject of these applications for existing water uses, and any such arguments in favor of these applications must be rejected. Any changes in use under water use permits (such as from agricultural use to other "potential development") requires issuance of new water use permits covering the new uses.

2. Kahala Hilton Wells 1646-05 & 06

8. QUANTITY OF WATER REQUESTED

Since one of the wells is for stand-by use only, it seems appropriate that these two applications be covered by a single water use permit for 2.88 mgd.

15.(d) Other existing legal uses affected

Because of their proximity to the shoreline, the operation of these wells may interrupt and otherwise disturb submarine discharges of brackish water which nourish shoreline ecosystems. Any such interruption and disruption affects the receiving waters' use of the source and Native Hawaiian use of the source, receiving waters, and affiliated ecosystems. Permitted use should be restricted to avoid any such effects.

3. Sea Life Park Wells 1939-01 & 02, 1940-02 & 11

1.(b) LANDOWNER

Ownership of the Sea Life Park site remains questionable. If the site is indeed privately owned or part of the Hawaiian Home Lands trust, the applications are invalid until signed by the rightful landowner.

8. QUANTITY OF WATER REQUESTED

Because Well 1940-02 is "regulated to standby basis," it seems appropriate that its use be attached to each of the other three permit applications for 4.32 mgd, rather than being the subject of a separate allocation and permit.

15.(c) Hawaiian Home Land Uses affected

Total extraction from these wells is almost 13 mgd. This implies a correlative wastewater discharge of close to the same amount. It
is this wastewater discharge which may affect water sources and water uses on adjacent Hawaiian Home Lands and in affiliated nearshore ecosystems. Permitted use should be restricted to avoid any such effects, particularly ecosystem effects which limit the availability of resources critical to traditional and customary Native Hawaiian practices.

15.(3) Other:

Other restrictions on use include the need for applicant to obtain water licenses from the Board of Land and Natural Resources. The use of 13 mgd of State seawater has great economic benefit to Sea Life Park, and it must pay the State for the privilege of extracting this economically-valued resource.

4. Honouliuli Unit Well 2101-14

1.(b) LANDOWNER

Land ownership in the West Loch area is disputed.

15.(d) Other existing legal uses affected

Operation of the well may affect the ability of Native Hawaiians to use the area for traditional and customary purposes. Permitted use should be restricted to avoid any such effects.

Mahalo

David L. Martin, Water Claims Manager

pc: Waiahole Irrigation Co., Ltd.
Kahala Hilton
Sea Life Park Hawaii
U.S. Fish & Wildlife Service
The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Water Use Permits

Thank you for the opportunity to respond to these applications for the following water use permits:

O'ahu
Waialua-Kunihiro (3407-02)
Waialae-Hilton (1646-05 & 06)

We have no objections in the Waialua case.

We note that several existing wells lie near the proposed brackish caprock well for the Hilton's cooler feedwater. The proposed withdrawal is substantial, and no mention is made of any impacts on these other groundwater sources. Testing should be required to determine any such impacts and appropriate permit conditions to limit impacts on other uses.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
The Honorable Keith W. Ahue  
State of Hawaii  
Department of Land and Natural Resources  
Commission of Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809  
Attn: Mr. Manabu Tagomori, Deputy

Dear Mr. Ahue:

We have received the following water permit applications. Thank you for the opportunity to review these applications:

<table>
<thead>
<tr>
<th>Applicant Name</th>
<th>Area</th>
<th>Water Mgmt. Amount Requested (gpd)</th>
<th>Tax Map</th>
<th>Well Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>6,330,000</td>
<td>Various</td>
<td>3053-01</td>
</tr>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>2,520,000</td>
<td>Various</td>
<td>2853-01</td>
</tr>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>16,350,000</td>
<td>Various</td>
<td>2953-01</td>
</tr>
<tr>
<td>Waiahole Irr.</td>
<td>Windward</td>
<td>1,480,000</td>
<td>Various</td>
<td>2953-02</td>
</tr>
<tr>
<td>Native Haw'n</td>
<td>Waialua</td>
<td>750,000</td>
<td>6-6-23:04</td>
<td>3407-02</td>
</tr>
<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
<td>2,880,000</td>
<td>3-5-23:39</td>
<td>1646-05</td>
</tr>
<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
<td>2,880,000</td>
<td>3-5-23:39</td>
<td>1646-06</td>
</tr>
</tbody>
</table>

Our records indicate that wells Nos. 3053-01, 2853-01, 2953-01, 2953-02, and 3407-02 are on ceded land. We have no objections in granting water permits to the applicants listed above providing that: (i) DHHL's priority for water usage is met, and (ii) water needs of Kuleana users are fully guaranteed, but we have continuing concern over the diversion of high volumes of water from the Windward aquifer systems to meet increasing water demands of large users. We must caution that water is a commodity in short supply and the granting of water permits for large users may jeopardize current or future water needs of small landholders.

Sincerely yours,

Clayton H.W. Hee  
Chairperson  
Office of Hawaiian Affairs

LM:sk
I assume there are
for the WPAs that
went to Pub Net
8/12 & 8/13 8/27/93
and
8/12 & 8/19 9/02/93
copies for files.
1993 August 30

State of Hawaii Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
/Public notice of July 27, 1993/Comments due August 30, 1993/

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use permit application processing and decisionmaking practices as previously submitted on numerous occasions (10/12/92, 10/21/92, 12/1/92, 6/22/93, & 7/8/93).

We also have specific comments on and objections to several of the applications listed in this notice, particularly those of Maui Department of Water Supply, State Department of Agriculture, Laie Water Co., Inc., and Campbell Estate. In each case NHAC represents water source registrants, water use declarants, water use permit applicants, and others with property interest in land within the hydrologic unit of the source of water supply who would be directly and immediately affected by the proposed water use.

Because of the complexity, importance, and late arrival of some of these applications to our office, we are requesting an extended review period (as provided on your memorandum) to September 3, 1993, when we will submit all objections and comments for both this set of applications and those whose objections due date is September 3.

Thank you for your consideration of this request.

David L. Martin, Water Claims Manager
MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
Historic Preservation Division

SUBJECT: Application for Water Use Permit, Kahala Hilton
Well No. 1646-05 &06
Waialae, Kona, O'ahu
TMK 3-5-23:039

Thank you for the opportunity to review this project. The applicant proposes to use water from existing sources. Since an approved permit will not authorize any ground disturbing activities we believe that there will be "no effect" on historic sites.

EJ:jt
PART I: USE OF WATER

Declarant's File Reference: KAHULU HILTON

1. Tax Map Key where the water is used: 3-5-23-39. Does the declarant own this land? NO If not, who does? BISHOP ESTATE

2. What is the water used for? AIR CONDITION COOLING WATER
   If for irrigation, how many acres are being irrigated by crop type? NA
   If for livestock, how many and what kind? ____________________________
   If for drinking, at how many houses? NA by how many people?

3. Is the quantity of water use being measured? NO. If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:
   How is the water taken from the system? ______________________________
   What is the capacity for taking (gpm)? ________________________________
   How often is it taken (used)? ____________________________

PART II: WATER SOURCE

Source #: 16046-05 Name: WELL # 1

1. Where does the water come from? Types of sources include:
   1) Wells (drilled, dug, tunnel)
   2) Diversions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declarant use cannot be traced to a single well or diversion)
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer
   4) Instream (i.e., crops planted along water edge)
   Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? ELEC PUMP VOL: 140 SPEED 1200 10" CI. OUTLET PIPE
   What is the capacity for taking (gpm)? ________________________________
   How often is it taken (used)? ____________________________

2. Tax Map Key at the source: 3-5-23-39. Determine declarant's relation to source. Does the declarant:
   1) Operate and maintain the source? YES If not, who does? ____________________________
   2) Own the land at the source? NO If not, who does? BISHOP ESTATE
   3) Use the water from this source? YES If not, who does? ____________________________
   4) Own the land where the water is being used? NO
   5) None of the above? YES If so, why did they file? ____________________________

4. Does any one else also use water from this source? YES If yes, is their use included in this user's declaration? YES Who are the other users? Did they file? ____________________________

VERIFIED BY: RICHARD JUWAL DATE: 8/23/93
FIELD INSPECTION INFORMATION CHECKLIST

PART I: USE OF WATER

Declarant's File Reference: KAHALO HILTON

1. Tax Map Key where the water is used: BISHOP ESTATE. Does the declarant own this land? NA. If not, who does?

2. What is the water used for? AIR CONDITION COOLING WATER. If for irrigation, how many acres are being irrigated by crop type? NA.

   If for livestock, how many and what kind?

   If for drinking, at how many houses? NA by how many people?

3. Is the quantity of water use being measured? NO. If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:

   How is the water taken from the system?

   What is the capacity for taking (gpm)?

   How often is it taken (used)?

PART II: WATER SOURCE

Source #: 1646 - 06 Name: NEW # 2

1. Where does the water come from / what kind of source is this?

   Types of sources include:

   1) Wells (drilled, dug, tunnel)
   2) Diversions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer)
   4) Instream (i.e., crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? ELECTRIC PUMP 1130 RPM VA: 230/460 AMP: 130/130 20°C, INT. OUTLET 1 APE

   What is the capacity for taking (gpm)?

   How often is it taken (used)? 24 HRS 10 AYA

3. Tax Map Key at the source: 3 - 5 - 33 : 39. Determine declarant's relation to source. Does the declarant:

   1) Operate and maintain the source? YES If not, who does?
   2) Own the land at the source? NO If not, who does? BISHOP ESTATE
   3) Use the water from this source? YES If not, who does?
   4) Own the land where the water is being used? NO
   5) None of the above? _____ If so, why did they file?

4. Does any one else also use water from this source? _____ If yes, is their use included in this user's declaration? _____ Who are the other users? Did they file?

DATE: 6/22/93
MEMORANDUM

TO: Aquatic Resources
   Forestry and Wildlife
   Historic Preservation
   Land Management
   Natural Area Reserve System
   Office of Conservation and Environmental Affairs
   State Parks
   Water and Land Development
   Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: John Doe
Phone: 587-0245

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: John Doe
Date: 9/9/93
Oahu District Office has no objections provided that the applicant obtain the required Federal, State and County permits prior to initiating the proposed work.

Should you have any questions, please call John Dooling at 7-0433.
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
    Department of Hawaiian Home Lands

Dr. John C. Lewin, M.D., Director
    Department of Health

Mr. Clayton H. W. Hee, Chairperson
    Office of Hawaiian Affairs

Mr. Kazu Hayashida, Manager & Chief Engineer
    Honolulu Board of Water Supply

FROM: Keith W. Ahue, Chairperson
    Commission on Water Resource Management

SUBJECT: Water Use Permit Applications
    Waialae Ground Water Management Area, Oahu

     Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

     We would appreciate your review of the attached applications and please return this form by September 3, 1993.

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Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Kazu Hayashida

Response: Contact person: Herbert H. Minakami    Phone: 527-6183

( ) We have no comments
(X) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: KAZU HAYASHIDA
Manager and Chief Engineer
Date: 9/3/93
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ___________________________ Phone: ___________________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: Henry M. Schade Date: 8/25/93
MEMORANDUM

To: Rae M. Loui, Deputy Director
Commission on Water Resource Management

From: Henry Sakuda, Administrator
Division of Aquatic Resources

Subject: Comments on Water Use Permit Applications for Kahala Hilton for Well Nos. 1646-05 and 1646-06 in the Waialae Ground Water Management Area, Oahu

August 26, 1993

The application is for two existing wells in the Waialae Golf Course. According to the information provided, approximately 5,760,000 gallons of brackish caprock water is pumped daily from the two wells to serve two air conditioner chillers. Although the quantity seems extremely large for such a purpose, there are no surface water biological resources in the area that would be affected. In addition, we note that these are existing wells that apparently predate the water code.
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
        Water Use Permit Applications
        Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ___________________________ Phone: ____________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST

Signed: ___________________________ Date: 8/26/93
MEMORANDUM

TO: From

Aquatic Resources
Forestry and Wildlife
Historic Preservation
Land Management
Natural Area Reserve System
Office of Conservation and Environmental Affairs
State Parks
Water and Land Development
Other Interested Parties

Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ____________________________ Phone: ____________

☐ We have no comments
☐ We have no objections
☐ Comments attached
☐ Additional information requested
☐ Extended review period requested

Signed: ____________________________ Date: ___/___/___
MEMORANDUM

TO: Aquatic Resources
   Forestry and Wildlife
   Historic Preservation
   Land Management
   Natural Area Reserve System
   Office of Conservation and Environmental Affairs
   State Parks
   Water and Land Development
   Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
   Water Use Permit Applications
   Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Steve Tagama Phone: 587-0885

We have no comments
We have no objections
Comments attached
Additional information requested
Extended review period requested

Signed: Date: 8/29/93
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
        Water Use Permit Applications
        Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Phone:

   ( ) We have no comments
   ( ) We have no objections
   ( ) Comments attached
   ( ) Additional information requested
   ( ) Extended review period requested

Signed: Date: 8/26/93
State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Honolulu, Hawaii  
AUG 19 1993

MEMORANDUM

FROM: Rae M. Loui, Deputy Director

TO: Aquatic Resources  
Forestry and Wildlife  
Historic Preservation  
Land Management  
Natural Area Reserve System  
Office of Conservation and Environmental Affairs  
State Parks  
Water and Land Development  
Other Interested Parties

SUBJECT: Request for Comments  
Water Use Permit Applications  
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko  
Attachment(s)

Response: Contact person: Gordon Akita  
Phone: 79227

( ) We have no comments  
( ) We have no objections  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Signed: MANABU TAGOMORI  
Date: 83 AUG 25 P.M. 43
Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, HI 96816

Dear Mr. Wagner:

Enclosed is a copy of the public notice for your water use permit applications for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

Please be aware that there may be objections to your applications. If objections are made, the objector is required to file such objections with the Commission and is also required to send you a copy of the objections.

You, or any other party, may respond to objections by filing a brief in support of your applications with the Commission within ten (10) days of the filing of an objection. You, or the other party, must also send a copy of the response to the objector.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

RAE M. LOUI  
Deputy Director
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: __________________________ Phone: ____________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: ____________
MEMORANDUM

TO:    Mrs. Hoaliku L. Drake, Director  
       Department of Hawaiian Home Lands
       Dr. John C. Lewin, M.D., Director  
       Department of Health
       Mr. Clayton H. W. Hee, Chairperson  
       Office of Hawaiian Affairs
       Mr. Kazu Hayashida, Manager & Chief Engineer  
       Honolulu Board of Water Supply

FROM:  Keith W. Ahue, Chairperson  
       Commission on Water Resource Management

SUBJECT: Water Use Permit Applications  
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Kazu Hayashida

Page 2

Response: Contact person: ___________________________ Phone: ____________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: ____________
Honorable Frank F. Fasi, Mayor  
City & County of Honolulu  
City Hall  
Honolulu, HI 96813

Attn: Mr. Jeremy Harris

Dear Mayor Fasi:

Notice of Applications for Water Use Permits  
Waialae Ground Water Management Area, Oahu

In accordance with the Department of Land and Natural Resource Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit applications for the Kahala Hilton for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin.

In addition, Section 13-171-13(b) of our Administrative Rules states:

"Within sixty days after receipt of notice of a permit application, the county shall inform the commission if the proposed use is inconsistent with the county land use plans and policies."

We have attached copies of the applications for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.

Very truly yours,

[Signature]
KEITH W. AHUE

Enc.
Applications for Water Use Permits  
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas".

Walaleho Ditch (Well No. 2853-01)  
**Applicant:** Walaleho Irrigation Co., Ltd.  
P.O. Box 0  
Waipahu, HI 96797

**Date Completed Application Received:** June 22, 1993  
**Aquifer:** Koolaupoko System, Windward Sector, Oahu  
**Well Source:** Walaleho Ditch, Well No. 2853-01, at Waialaele, Koolaupoko, Oahu

| Tax Map Key: | 4-8-13A1 |
| Quantity Requested: | 2,520,000 gallons per day |
| Existing Water Use: | Primarily for irrigation of 4,067 acres of sugarcane |
| Place of Water Use: | Walaholo Sugar Co., Ltd., Waipahu at various Tax Map Keys |

Uwau Development Tunnel (Well No. 2953-01)  
**Applicant:** Walaleho Irrigation Co., Ltd.  
P.O. Box 0  
Waipahu, HI 96797

**Date Completed Application Received:** June 22, 1993  
**Aquifer:** Koolaupoko System, Windward Sector, Oahu  
**Well Source:** Uwau Development Tunnel, Well No. 2953-01, at Waialaele, Koolaupoko, Oahu

| Tax Map Key: | 4-8-14A3 |
| Quantity Requested: | 16,250,000 gallons per day |
| Existing Water Use: | Primarily for irrigation of 4,067 acres of sugarcane |
| Place of Water Use: | Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys |

Waihane Development Tunnel #2 (Well No. 2953-02)  
**Applicant:** Walaleho Irrigation Co., Ltd.  
P.O. Box 0  
Waipahu, HI 96797

**Date Completed Application Received:** June 22, 1993  
**Aquifer:** Koolaupoko System, Windward Sector, Oahu  
**Well Source:** Waihane Development Tunnel #2, Well No. 2953-02, at Waihane, Koolaupoko, Oahu

| Tax Map Key: | 4-8-14A8 |
| Quantity Requested: | 1,480,000 gallons per day |
| Existing Water Use: | Primarily for irrigation of 4,067 acres of sugarcane |
| Place of Water Use: | Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys |

TRANSMISSION REPORT

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** ** Send ** **

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PUBLICATION NOTICE

Applications for Water Use Permits
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas".

Waiahole Ditch (Well No. 2853-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waiahole Ditch, Well No. 2853-01, at Waiahole, Koolaupoko, Oahu,
Tax Map Key: 4-8-13:1
Quantity Requested: 2,520,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Iwau Development Tunnel (Well No. 2953-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Iwau Development Tunnel, Well No. 2953-01, at Iwau, Koolaupoko, Oahu,
Tax Map Key: 4-8-14:3
Quantity Requested: 16,350,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Waikane Development Tunnel #2 (Well No. 2953-02)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waikane Development Tunnel #2, Well No. 2953-02, at Waikane,
Koolaupoko, Oahu, Tax Map Key: 4-8-14:5
Quantity Requested: 1,480,000 gallons per day.
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys
Waikane Development Tunnel #1 (Well No. 3053-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waikane Development Tunnel #1, Well No. 3053-01, at Waikane, Koolaupoko, Oahu at Tax Map Key: 4-8-14:5
Quantity Requested: 6,330,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Kahala Hilton #1 (Well No. 1646-05)
Applicant: Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
Date Completed Application Received: April 29, 1993
Aquifer: Waialae System, Honolulu Sector, Oahu
Well Source: Kahala Hilton #1, Well No. 1646-05, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
Quantity Requested: 2,880,000 gallons per day
Existing Water Use: Two air conditioner chillers
Place of Water Use: 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kahala Hilton #2 (Well No. 1646-06)
Applicant: Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
Date Completed Application Received: April 29, 1993
Aquifer: Waialae System, Honolulu Sector, Oahu
Well Source: Kahala Hilton #2, Well No. 1646-06, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
Quantity Requested: 2,880,000 gallons per day
Existing Water Use: Two air conditioner chillers
Place of Water Use: 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kunihiro Well (Well No. 3407-02)
Applicant: Native Hawaiian Advisory Council
1088 Bishop St., Ste 1204
Honolulu, HI 96813
Date Completed Application Received: June 28, 1993
Aquifer: Waialua System, North Sector, Oahu
Well Source: Kunihiro Well, Well No. 3407-02, at 66-220 Kamooloa Rd, Oahu, Tax Map Key: 6-6-23:4
Quantity Requested: 750,000 gallons per day
Existing Water Use: Domestic service, irrigation for 4.5 acres of various crops, and aquaculture
Place of Water Use: 66-220 Kamooloa Rd, Waialua, HI at Tax Map Key: 6-6-23:4

(more)
Well 1 (Well No. 1939-01)

Applicant: Sea Life Park Hawaii
          Makapuu Point
          Waimanalo, HI 96795

Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 1, Well No. 1939-01 at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 2 (Well No. 1939-02)

Applicant: Sea Life Park Hawaii
          Makapuu Point
          Waimanalo, HI 96795

Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 2, Well No. 1939-02, at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well A (Well No. 1940-02)

Applicant: Sea Life Park Hawaii
          Makapuu Point
          Waimanalo, HI 96795

Date Completed Application Received: June 9, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well A, Well No. 1940-02, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 0 gallons per day
Existing Water Use: Standby basis for Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 3 (Well No. 1940-11)

Applicant: Sea Life Park Hawaii
          Makapuu Point
          Waimanalo, HI 96795

Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 3, Well No. 1940-11, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

(more)
Honouliuli Unit (Well No. 2101-14)
Applicant: U.S. Fish & Wildlife
P.O. Box 50167
Honolulu, HI 96850

Date Completed Application Received: June 23, 1993
Aquifer: Waipahu-Waiaua System, Pearl Harbor Sector, Oahu
Well Source: Honouliuli Unit Well, Well No. 2101-14, at Pearl Harbor NWR, Oahu, Tax
Map Key: 9-1-17:12
Quantity Requested: 432,000 gallons per day
Existing Water Use: Maintenance of habitat for endangered water birds
Place of Water Use: Pearl Harbor NWR - Honouliuli Unit at Tax Map Key: 9-1-17:12

Written objections or comments on the applications for water use permits may be
filed by any person who has property interest in any land within the hydrologic unit of the
source of water supply, any person who will be directly and immediately affected by the
proposed water use, or any other interested person. Written objections shall: (1) state
property or other interest in the matter; (2) set forth questions of procedure, fact, law, or
policy, to which objections are taken; and (3) state all grounds for objections to the
proposed permits. Send written objections by September 3, 1993 to 1) the Commission on
Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, and 2) a copy of the
objection letter(s) to the applicant at the above address.

COMMISSION ON WATER RESOURCE MANAGEMENT

KEITH W. AHUE
Chairperson

Dated: JUL 27 1993

**STATE OF HAWAII**

**REQUISITION & PURCHASE ORDER**

**DEPARTMENT OF LAND AND NATURAL RESOURCES**

**CWRM**

**FUNCTION AND ACTIVITY**

**NOTICE TO VENDORS**

Conditions of purchase are listed on the back side of this purchase order. Please read carefully. Payments may be delayed if all steps are not followed.

Hawaii Newspaper Agency
Honolulu Star Bulletin
P.O. Box 3350
Honolulu, HI 96801 Attn: Legal Ad

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The State of Hawaii is an EQUAL EMPLOYMENT OPPORTUNITY and AFFIRMATIVE ACTION employer. We encourage the participation of women and minorities in all phases of employment.

---

**DELIVERY ADDRESS**

COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
1151 Punchbowl Street; Room 227
Honolulu, Hawaii 96813

**BILLING ADDRESS**

COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. Box 621
Honolulu, Hawaii 96809

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**GOODS/SERVICES RECEIVED IN GOOD ORDER AND CONDITION BY DATE**

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**REQUISITION NO**

00166518

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**VENDOR NUMBER**

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Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, HI 96816

Dear Mr. Wagner:

Application for a Water Use Permit  
Waialae Ground Water Management Area, Oahu

We acknowledge receipt, on May 19, 1993, of your completed water use permit applications for the KAHALA HILTON #1 and #2 Wells (Well Nos. 1646-05 and 1646-06). You can expect your application to be processed within ninety (90) days from the date of receipt unless there are objections to your application.

We will be sending you a copy of the public notice for your application and any further information regarding the status of your application. In addition, we may need to visit and verify your proposed water source and use sites if we have not done so already under our registration program.

If you have any questions, please contact Roy Hardy at 587-0274.

Sincerely,

RAE M. LOUI  
Deputy Director

RH:ko
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: [Signature]

TO: G. Matsumoto
E. Sakoda
Y. Shiroma
E. Hirano
D. Higa
G. Bauer
R. Hardy
R. LOUI
S. KOKUBUN
M. TAGOMORI
L. NANBU

PLEASE:
- See Me
- Call
- Review & Comment
- Take Action
- Investigate & Report
- Draft Reply
- Acknowledge Receipt
- Type Draft
- Type Final
- Xerox ___ copies

FOR YOUR:
- Approval
- Signature
- Information

DATE: 4/29

FILE IN:

PLEASE:
1. Make up application for 10UP according to [Handwritten notes]
2. Existig maps can be [Handwritten notes]

FOR YOUR:
Please call Robert Wagner and have him verbally complete yellow areas. Please fill in w/red pen as I have done then just record date here 5/19.
also, 3 have him send in maps
and make our submitted map, and
5/11 spoke w/ Joyce, she will mail maps to additional info for map. 5/18 received copy of well regist/declara
& topo map. 5/14 received call back [Handwritten notes]
APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: Kahala Hilton
   Contact Person: Robert Wagner/L.E., 23-34-2211
   Address: 5000 Kahala Avenue, Honolulu, Hawaii 96816
   (b) LANDOWNER
   Firm/Name: Bishop Estate
   Contact Person: ALVIA MARVAS, 5720124
   Address: 56-7, KING HON. 4283

2. WATER MANAGEMENT AREA: WALEA
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER:
   Kahala Hilton Well #1 146-05
   (b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION: Address: 5000 Kahala Avenue
   Tax Map Key 16/46 3-5-23
   (Attach a USGS map, scale 1:2000, and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one):
   □ Stream □ Dike-continued □ Caprock
   Method of Taking Water (check one):
   □ Artesian Flow □ Well & Pump
   □ Diverted Surface Flow □ Other (explain)

6. LOCATION OF PROPOSED WATER USE: If possible, show on same maps as source location. Otherwise, attach similar maps
   (a) Address: 5000 Kahala Avenue
   Tax Map Key: 16/46 3-5-23
   (b) Land Use District (check one):
   □ Urban □ Agriculture □ Conservation □ Rural
   (c) County Zoning (describe):

7. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day

8. METHOD OF MEASUREMENT:
   □ Flowmeter □ Open-pipe □ Well □ Orifice □ Other (explain) pump curve
   Pressure Drop on

9. QUALITY OF WATER REQUESTED:
   □ Fresh □ Brackish □ Salt □ Potable □ Non-Potable
   □ Irrigation □ Industrial □ Military □ Other (explain)

10. PROPOSED USE:
    □ Municipal (including hotels, stores, etc.) □ Domestic (individual, noncommercial, etc.) □ Irrigation
        □ Water, Water (crop) □ Other (explain)

11. NUMBER AND TYPE OF UNITS TO BE SERVED (explain):
    Two - Air Conditioner - Chillers

12. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP:
    N/A (Acres) (crop)

13. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION:
    24 hours a day

14. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
    (a) Impact on Sustainable yield (7):
    N/A
    (b) Permanently or Interim Instream Flow Standards affected (7):
    N/A
    (c) Hawaiian Home Land uses affected (7):
    N/A
    (d) Other existing legal uses affected (7):
    N/A
    (e) Other:

15. REMARKS, EXPLANATIONS:

   (If more space is needed, continue on back side)

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resource Management, a permit is subject to other existing permitted uses, changes in sustainability plans and Instream Flow Standards, reserved uses as defined by the Commission, and Hawaiian Home Lands future uses. In addition, an applicant understands that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

Applicant (print):
Signature:
Date:

For Official Use Only:
Date Received:
Date Accepted:

Hydrologic Unit No.: Diversion Works No.:
State Well No.: Notice Date:
15. REMARKS, EXPLANATIONS (cont'd):

________________________________________________________________________

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APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: KAHALA HILTON
   Contact Person: ROBERT WAGNER / C.Em., 734-2211
   Address: 5000 Kahala Avenue
   Honolulu, Hawaii 96816

2. WATER MANAGEMENT AREA: __________ ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Kahala Hilton Well #2 [wells or stream diversion name/number]
   (b) PROPOSED (NEW) SOURCE NAME: ___________________________

4. SOURCE LOCATION: Address: 5000 Kahala Avenue
   Tax Map Key: [Attach a USGS map, scale 1"=2000', and a property tax map showing source location referenced to established property boundaries.]

5. SOURCE TYPE (check one): O Stream O Basin O Dike-confined O Perched O Caprock

6. METHOD OF TAKING WATER (check one): O Artesian Flow O Well & Pump O Diverted Surface Flow O Other [explain]: ___________________________

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Address: 5000 Kahala Avenue
   (b) Land Use District (check one): O Urban O Agriculture O Conservation O Rural O Industrial
   (c) County Zoning (Describe): ___________________________

8. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day - stand by only

9. METHOD OF MEASUREMENT: O Flowmeter O Open-pipe O Well O Office O Other [explain]: pump curve

10. QUALITY OF WATER REQUESTED: O Fresh O Brackish O Salt O Potable O Non-Potable O Other [explain]: ___________________________

11. PROPOSED USE: O Municipal (including hotels, stores, etc.) O Domestic (individual, noncommercial, etc.) O Irrigation
    O Industrial O Military O Other [explain]: ___________________________

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain): Two - Air Conditioner - Chillers

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP: N/A (acre) (crop)

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 24 hours per day (indicate hours of operation)

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
   (a) Impact on Sustainable yield (?): N/A
   (b) Permanent or Interim Instream Flow Standards affected (?): N/A
   (c) Hawaiian Home Land uses affected (?): N/A
   (d) Other existing legal uses affected (?): N/A
   (e) Other: ___________________________

16. REMARKS, EXPLANATIONS: ___________________________

(If more space is needed, continue on back side)

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resource Management, a permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands Uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted and the Commission requires one.

Applicant: ___________________________ Landowner: ___________________________
Signature: ___________________________ Signature: ___________________________
Date: ___________________________ Date: ___________________________

Kamehameha Schools/Bishop Estate
Paul J. Ephemist, Manager

For Official Use Only:
Date Received: ___________________________ Hydrologic Unit No.: ___________________________
Date Approved: ___________________________ Diversion Works No.: ___________________________
Notice Oeuse: Public Mayor BWS Mail List Bulletin Public Hearing
<table>
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KAHALA HILTON HOTEL
5000 Kahala Avenue, Honolulu, Hawaii 96816

Deposited 5/7/93
**REGISTRATION OF WELL**

**AND DECLARATION OF WATER USE**

**STATE WELL NO.:**

**WELL NAME OR DESIGNATION:** KAHALA HILTON WEL # 1

**ISLAND:** OAHU

---

**A. WELL OPERATOR**

**Firm name:** KAHALA HILTON

**Contact person:**

**Address:**

**Zip:** 96816 **Phone:** 734-2211

---

**B. OWNER OF WELL SITE**

**Firm name:**

**Contact person:**

**Address:**

**Zip:** **Phone:**

---

**C. WELL LOCATION**

**Tax Map Key:**

**Town, Place, District:** KAHULA

**Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.**

---

**D. WELL DATA**

- For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
- For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

**Ground elevation (mean sea level):** 105 ft.

**Reference point: (used to measure depth to water):**

**Elevation:** 0 ft. **Depth to water:** 105 ft.

**Maximum recorded chloride:** SALT WATER

**Minimum recorded chloride:** ppm **Maximum chloride in 1987:** ppm

---

**E. INSTALLED PUMP DATA**

**Pump type:** Vertical shaft **Pump capacity:** gallons per minute

**Power:** Diesel, HP **Other:** Other (specify):

**Pump capacity:** other **Other:** Other (specify):

**Pump installation contractor:** LAYNE INTERNATIONAL INC

---

**For Official Use Only:**

**Date received:** **Date accepted:**

**Field checked by:** **Latitude:** **Hydrologic Unit:**

**Comments:** **Longitude:** **State Well No.:**

---

References: Hawaii Revised Statutes, Chapter 174C.

Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly

Method of measurement: □ Flow Meter □ Orifice □ Other (Describe): ____________________________________________________________

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery.):

WATER USE, IN GALLONS x 1000

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
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<tr>
<td>□ Municipal (including resorts, hotels, businesses)</td>
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<td>□ Domestic (systems serving 25 people or less)</td>
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<td>□ Irrigation</td>
<td>Acres irrigated:</td>
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<td>□ Industrial</td>
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<td>□ Military</td>
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<td>□ Other</td>
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Crop(s): □ Sugar □ Pineapple □ Other (specify): |

Non-Crop: □ Landscape □ Golf Course □ Other (specify): |

Method: □ Drip □ Furrow □ Sprinkler |

Cooling □ Manufacturing □ Mill |

Other (specify): |

Specify (livestock, aquaculture, etc.): |

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ______________________ Date: ______________________

Printed Name: ______________________

Firm or Title (Well Operator, etc.): ______________________

Minimum day's use: 2,800,000 gallons

Typical times of usage: | Morning | Afternoon | Evening |

Maximum day's use: 28,500,000 gallons

ANNUAL 1,051,400 1,051,400 1,051,400 1,051,400 1,051,400
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N.A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 272, Honolulu, Hawaii 96809. Phone 548-3948 or 548-7543 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: _______ ISLAND: OAHU
WELL NAME OR DESIGNATION: KAHULU HOTEL WELL #2
SOURCE OR STATION NAME (for a battery of wells): _______

A. WELL OPERATOR
Firm name: KAHULU HOTEL
Contact person: ANDREAS DE ROECK
Address: 1561 KANAWU ST., #1601
          HON. HIL
Zip: 96816 Phone: 734-2211

B. OWNER OF WELL SITE
Firm name: _______
Contact person: _______
Address: _______
Zip: _______ Phone: _______

C. WELL LOCATION
Tax Map Key: 16/46 Town, Place, District: KAHULU
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): ______ ft.
Reference point (Used to measure depth to water): ______ ft.
Elevation: ______ ft.
Description: ______

Depth to water (below reference point): ______ ft.
Maximum recorded chloride: ______ ppm
Minimum recorded chloride: ______ ppm
Maximum chloride in 1987: ______ ppm

Year drilled or constructed: 1981
Well contractor: __________
Casing diameter: 16 in.
Solid casing depth (below ground): ______ ft.
Perforated casing depth (below ground): ______ ft.
Total depth of well: ______ ft.

E. INSTALLED PUMP DATA
Pump type: Vertical shaft
Submersible
Centrifugal
Other (specify): ______
Power: Diesel, ______ HP  Gas, ______ HP  Electric, ______ HP  Other (specify): ______
Pump capacity: _______ gallons per minute
Pump installation contractor: __________

For Official Use Only:
Date received: _______ Date accepted: _______
Field checked by: _______ Date: _______ Latitude: _______ Hydrologic Unit: _______
Comments: _______ Longitude: _______ State Well No.: _______

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of this Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: [ ] Daily [ ] Weekly [ ] Monthly

Method of measurement:
[ ] Flow Meter [ ] Orifice
[ ] Other (describe): [ ] PRESSURE DROP MEASUREMENT

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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Minimum daily use: 2,290,000 gallons
Maximum daily use: 2,290,000 gallons

Typical times of usage: Air conditioning and landscape

Type of Use (Check all category boxes that apply and provide additional information as indicated):

- Municipal (including parks, libraries, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation
- Non-Crop: [ ] Landscape [ ] Golf Course
- Number of service connections: __________________________
- Acres irrigated: __________________________
- Crop(s): [ ] Sugar [ ] Pineapple
- Other (specify): __________________________
- Method: [ ] Drip [ ] Furrow [ ] Sprinkler
- Air conditioning and landscape
- Other (specify): __________________________
- Cooling [ ] Manufacturing [ ] Mill
- Other (specify): __________________________
- Specifying (irrigation, aquaculture, etc.): __________________________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: __________________________ Date: __________

Printed Name: __________________________

Firm or Title (Well Operator, etc.): __________________________
Mr. Bill Rozeboom  
Department Of Land & Natural Resources  
Commission On Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Rozeboom:

Following our telephone conversation of March 14, 1989, I herewith enclose, to the best of our recollection, the information you requested pertaining to the use of wells at the Kahala premises.

For your information, we are using only one of our two wells 24-hrs daily all year round for the use of our air conditioning plant. Thus, the second well is used for stand-by only.

The water quality is basically equal to ocean water, therefore very corrosive. This explains why we do not have any other way of measure other than knowing the pressure drop which equals ± 2,000 gpm.

With regards to #1646-03 on the enclosed map, we do not recall this information on our premises, therefore please disregard it. I have however, indicated the approximate location of our two wells with two red dots on the map.

I trust that this information is adequate, should you have any further questions regarding this matter, please do not hesitate to call me at 734-2211 ext. 7030.

Sincerely yours,

Andreas de Kreek  
Chief Engineer

ADK:jen  
Enclosure
Map of the Island of Oahu, scale 1:62,500, 1954, is available

HONOLULU, HAWAII
N2115—W15746.5/7.5

1969

KAHUA HILTON HOTEL

9046-05, 06

OAHU
The Kahala Hilton  
Hilton Hawaiian Village  
Honolulu, Hawaii.

Att. Mr. Frank Swadley,  
Project Manager

Gentlemen:

We have today completed the drilling and casing of the 12" well at the Kahala Hilton in accordance with my proposal of May 2 and your letter of acceptance of even date.

This well is 150 feet deep and cased with standard 12" black steel pipe to 116 feet where it was driven into the rock and cemented. Open hole continues in rock which, in places, is very hard.

Water came in at a depth of 136 feet and rose to 6' below the 12" flange on the casing. This is probably sea level though no actual levels have been run. Here is remains. This is not artesian water but rather very saline water. The geologists have explained that at this depth we are not in the Koolau rock which would yield the fresh artesian water as we had looked for - but in a more recent flow known as the Honolulu series. We do not know how deep the Koolau is at this location.

The well was pumped at the rate of 600 g.p.m. for one half hour. This was as long as we could run as the storm drain was obstructed due to operations in the beach area. But this was long enough to indicate, without doubt, that 800 g.p.m. and more, are available. At 600 g.p.m. the draw-down was but 3". See pump test data attached on separate sheet.

Mr. Waugh Smith was present on the site directly after the test and discussed the subject with Mr. Sam Wong of the U. S. Geological Survey. Mr. Wong assisted with the test and later tested the water for salinity. A sample was also taken and given to the Board of Health for bacteria analysis. A copy of this finding is also attached.
Although the salt water is a direct reversion of what we had anticipated it is completely satisfactory to Mr. Smith as his equipment is designed for it and it will make a better lagoon condition.

Our equipment is now being removed from the site and the well will be temporarily secured. When you can give me the correct desired elevation, we will weld a 12" flange on the top of the casing.

Statement covering the work is enclosed.

Very truly yours,

[Signature]

MW/1W
The Kahala Hilton
12" wall - 150' Deep

Pump Test

4" pump. Measurements refer to face of 12" flange on well casing.

<table>
<thead>
<tr>
<th>Time</th>
<th>Rate</th>
<th>Water level</th>
<th>Draw down</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:50</td>
<td>6' 3&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:51</td>
<td></td>
<td></td>
<td></td>
<td>Start pump</td>
</tr>
<tr>
<td>8:54</td>
<td>263</td>
<td>6' 4½&quot;</td>
<td>1½&quot;</td>
<td>Sample No. 1 18,700 p.p.m.</td>
</tr>
<tr>
<td>9:05</td>
<td>263</td>
<td>6' 4&quot;</td>
<td>1&quot;</td>
<td>Sample No. 2 18,900 p.p.m.</td>
</tr>
<tr>
<td>9:09</td>
<td></td>
<td></td>
<td></td>
<td>Increase pump speed</td>
</tr>
<tr>
<td>9:10</td>
<td>600</td>
<td>6' 7&quot;</td>
<td>4&quot;</td>
<td>Sample No. 3 18,900 p.p.m.</td>
</tr>
<tr>
<td>9:22</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Temperature 73 degree</td>
</tr>
<tr>
<td>9:28</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Sample No. 4 19,700 p.p.m.</td>
</tr>
<tr>
<td>9:29</td>
<td></td>
<td></td>
<td></td>
<td>Stop pump - drain plugged - flooding area</td>
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<tr>
<td>9:32</td>
<td></td>
<td>6' 1&quot;</td>
<td></td>
<td></td>
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<tr>
<td>9:35</td>
<td></td>
<td>6' 1&quot;</td>
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</table>

Water very clear throughout.
Note: Sea water is approx. 20,000 p.p.m.

Test by: Sam Wong, U.S. Geological Survey
Nat Whiton - Drilling Contractor & crew
Rough Sketch of SALT WATER WELL
Drilled at KAHALA, HILTON HOTEL
by Nat Whitm
May - 1963

Medium Rock

Hard Rock

Ground Surface

0.0 - 4.0

114 - Alternate Strata of marine sediment see boring No.

116 - End of casing

124 - 12" casing

136 - First water

150 - End of hole

Cement

Temporary Cover

May 31, 1963
STATE OF HAWAII  
COMMISSION ON WATER RESOURCE MANAGEMENT  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
DIVISION OF WATER RESOURCE MANAGEMENT  

REGISTRATION OF WELL  
AND DECLARATION OF WATER USE  

**INSTRUCTIONS:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3048 or 548-7843 for assistance.  

**BATTERY OF WELLS:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.  

**STATE WELL NO.:** 1L46-0516  
**WELL NAME OR DESIGNATION:** KAHALA HIJDN  
**ISLAND:** OAHU  

### A. WELL OPERATOR  
**Firm name:** KAHALA HIJDN  
**Contact person:** ANDERS PE KRAEK  
**Address:** 1567 KANUOJA ST. #150  
**HON. HI.**  
**Zip:** 96816  
**Phone:** 734-2221  

### B. OWNER OF WELL SITE  
**Firm name:**  
**Contact person:**  
**Address:**  
**Zip:**  
**Phone:**  

### C. WELL LOCATION  
**Tax Map Key:** 16/46  
**Town, Place, District:** KAHALA  
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.  

### D. WELL DATA  
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.  
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.  

<table>
<thead>
<tr>
<th>Ground elevation (mean sea level):</th>
<th>10 5 ft</th>
<th>Year drilled or constructed:</th>
<th>1981</th>
</tr>
</thead>
</table>
| Reference point (Used to measure depth to water): | 4 ft | Well contractor: WATER RESOURCES  
**Casing diameter:** | G ft |  
| Depth to water (Below reference point): | G ft |  
| Maximum recorded chloride: | G ppm |  
| Minimum recorded chloride: | G ppm |  
| Maximum chloride in 1987: | G ppm |  

**E. INSTALLED PUMP DATA**  
**Pump type:** □ Vertical shaft □ Submersible □ Centrifugal □ Other (specify):  
**Power:** □ Diesel, ___ HP □ Gas, ___ HP □ Electric, ___ HP □ Other (specify):  
**Pump capacity:** 2000 gallons per minute  
**Pump installation contractor:** WATER RESOURCES  

For Official Use Only:  
**Date received:** 3-26-94  
**Date accepted:**  
**Field checked by:**  
**Comments:**  

References: Hawaii Revised Statutes, Chapter 174C.  
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly

Method of measurement: □ Flow Meter □ Orifice

Quantity of Use (Report metered or estimated monthly water use from the well descibred on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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<td><strong>ANNUAL</strong></td>
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</tbody>
</table>

Minimum day's use: 2,880,000 gallons Maximum day's use: 4,500,000 gallons

Typical times of usage: Air conditioning and house

Type of Use (Check all category boxes that apply and provide additional information as indicated):

Category | Additional Information
--- | ---
Municipal (including resorts, hotels, businesses) | Number of service connections: _________
Domestic (systems serving 25 people or less) | Acres Irrigated: _________
Irrigation | Crop(s): □ Sugar □ Pineapple
| Other (specify): □ Other (specify):
Non-Crop: □ Landscape □ Golf Course | Method: □ Drip □ Furrow □ Sprinkler
| Other (specify): □ Other (specify):
Industrial | Cooling □ Manufacturing □ Mill
| Other (specify): □ Other (specify):
Military | Specify (livestock, aquaculture, etc.):

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ___________________________ Date: ___________
Printed Name: ____________________________________________
Firm or Title (Well Operator, etc.): ____________________________
REGISTRATION OF WELL
AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3948 or 548-7443 for assistance.

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: 1640-045
WELL NAME OR DESIGNATION: KAHULU-HUKAN
ISLAND: OAHU

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR
Firm name: KAHULU-HUKAN
Contact person: ANDREW DE KREEK
Address: 1561 KANUW TRL, #106
Hon. Hi.
Zip: 96816 Phone: 734-2211

B. OWNER OF WELL SITE
Firm name:
Contact person:
Address:
Zip: Phone:

C. WELL LOCATION
Tax Map Key: 1646 Town, Place, District: KAHULU
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete item below. For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

Ground elevation (mean sea level): 105 ft.
Reference point (used to measure depth to water): Elevation: 105 ft.
Description:

Depth to water (below reference point): 105 ft.
Maximum recorded chloride: SALT WATER ppm
Minimum recorded chloride: SALT WATER ppm
Minimum chloride in 1987: 0 ppm

E. INSTALLED PUMP DATA
Pump type: [ ] Vertical shaft [ ] Submersible [ ] Centrifugal [ ] Other (specify):
Power: [ ] Diesel, ___ HP [ ] Gas, ___ HP [ ] Electric, ___ HP [ ] Other (specify):
Pump capacity: ___ gallons per minute
Pump installation contractor:

... (continued over)
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  ☐ Daily  ☐ Weekly  ☐ Monthly  ☐ Other (describe): ________

Method of measurement:  ☐ Flow Meter  ☐ Orifice  ☐ Other (describe): ____________________

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery)

<table>
<thead>
<tr>
<th>WATER USE, IN GALLONS x 1000</th>
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<tr>
<td>January</td>
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<td>December</td>
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<tr>
<td>ANNUAL</td>
</tr>
</tbody>
</table>

Minimum day's use: 2830000 gallons  Maximum day's use: 2830000 gallons

Typical times of use: __________

Type of Use (Check all category boxes that apply and provide additional information as indicated):

☐ Municipal (including resorts, hotels, businesses)
☐ Domestic (systems serving 25 people or less)
☐ Irrigation
☐ Industrial
☐ Military
☐ Other

Additional Information

Number of service connections: __________

Acres irrigated: __________

Crop(s): ☐ Sugar  ☐ Pineapple  ☐ Other (specify): __________

Non-Crop: ☐ Landscape  ☐ Golf Course  ☐ Other (specify): __________

Method: ☐ Drip  ☐ Furrow  ☐ Sprinkler  ☐ Cooling  ☐ Manufacturing  ☐ Mill  ☐ Other (specify): __________

Specify (livestock, aquaculture, etc.): __________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ______________________ Date: __________
Printed Name: ______________________
Firm or Title (Well Operator, etc.): ______________________
WELL DRILLING PERMIT
for
Kahala Hilton Hotel Well
Honolulu, Oahu

TO:  Kahala Hilton Hotel
     5000 Kahala Avenue
     Honolulu, Hawaii 96816

Your application for a permit to drill a well has been approved:

Gr. Elevation: 9.9 ft., msl
Casing Dia.: 20 inches
Casing Depth: 75 ft.
Total Depth: 100 ft.
Pump Capacity: 2800 gpm
Use: Cooling and porpoise pond

You are hereby granted permission to drill the above described well, in accordance with Department Regulation 9, subject to the following conditions:

1. A copy of the driller's logs, "as-built" drawing, and completed Driller's Report shall be submitted to the Department.

2. The well shall be tested for yield, drawdown, and chloride content and the data reported in the Driller's Report.

SUSUMU ONO, Chairman of the Board

Enc.: Driller's Report form

Date of Issuance

February 11, 1981

bcc: Honolulu BWS, USGS, Dept of Health
TO: Department of Land and Natural Resources
Division of Water and Land Development
P. O. Box 373
Honolulu, Hawaii 96809

GENTLEMEN:

WE ARE SENDING YOU □ Attached □ Under separate cover via □ Shop drawings □ Prints □ Plans □ Samples □ Specifications

<table>
<thead>
<tr>
<th>COPIES</th>
<th>DATE</th>
<th>NO.</th>
<th>DESCRIPTION</th>
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<tr>
<td>1</td>
<td></td>
<td></td>
<td>Application for Well Drilling Permit</td>
</tr>
</tbody>
</table>

THESE ARE TRANSMITTED as checked below:

☑ For approval □ Approved as submitted □ Resubmit ___ copies for approval
☑ For your use □ Approved as noted □ Submit ___ copies for distribution
☑ As requested □ Returned for corrections □ Return ___ corrected prints
☑ For review and comment □ ☑ FOR BIDS DUE ____________ 19 _______ □ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO ____________________

SIGNED ____________________

If enclosures are not as noted, kindly notify us
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  Yes ☑ No ☐

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land's Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island: Oahu Tax Map Key: 3-5-23:39. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER: KAHALA HILTON HOTEL
   Address: 5000 Kahala Avenue, Honolulu, Hawaii
   Telephone: 734-2211
   Zip Code: 96816

3. PROPOSED DRILLING COMPANY: WATER RESOURCES INTERNATIONAL, INC

4. PROPOSED WORK: ☑ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal

☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

---

PROPOSED SECTION OF WELL

Elevation at top of casing: 112 ft., msl.

Ground Elev.: 9.89 ft., msl.

Cement Grout: 75 ft.

Hole Dia.: 24 in.

Total Depth: 100 ft.

Rock Packing: None.

Solid casing:

Material: Steel
Length: 75 ft.
Diameter: 20 and 16 in.
Wall thickness: in.

Casing:

☐ Perforated ☐ Screwpin
Material: None
Length: ft.
Diameter: in.
Wall thickness: in.
Openings: sq. in./L.F.

Open Hole:
Length: 25 ft.
Diameter: 15 in.

---

5. PROPOSED USE: ☑ Municipal ☐ Military ☐ Agriculture ☐ Industrial ☐ Domestic ☐ Disposal ☐ Other (specify) _________

6. PROPOSED AMOUNT OF WITHDRAWAL: ☑ Daily 4 MGD gallons ☐ Monthly gallons ☐ Yearly gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 2800 gallons per minute

Signature: [Water User]

Date: December 17, 1980

Signature: [Landowner of Well Site]

Date: Dec 15, 1980

For Official Use:

State Well No. _________

DLNR Permit No. _________

DLNR Application No. _________
The Honorable Keith W. Ahue  
Chairperson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Ahue:  

Withdrawal of Objections  

The Department of Hawaiian Home Lands has been in a position to raise objections to various applications for water use permits, particularly in Windward O‘ahu, on the basis that water reservations were yet required to meet statutory obligations to Hawaiian home lands.

Please be advised that as the proposed water reservations in O‘ahu and Moloka‘i water management areas are finalized, our objections for this reason are thereby withdrawn.

Warmest aloha  

Hoaliku L. Drake, Chairman  
Hawaiian Homes Commission  

HLD:BH:ci/1608L.77
MINUTES
FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: October 13, 1993
TIME: 9:00 a.m.
PLACE: Board Room
Kalanikuku Building
1151 Punchbowl Street
Honolulu, Hawaii

ROLL CALL: Chairperson Ahue called the meeting of the Commission on Water Resource Management to order at 9:09 a.m.

The following were in attendance:

MEMBERS: Mr. Keith Ahue
Mr. Richard Cox
Dr. John L. Lewin
Mr. Robert Nakata
Mr. J. Douglas Ing

EXCUSED: Mr. Guy Fujimura

STAFF: Ms. Rae Loui
Mr. Edwin Sakoda
Mr. Roy Hardy
Mr. Eric Hirano
Ms. Lenore Nakama
Ms. Sharon Kokubun

COUNSEL: Mr. William Tam

OTHERS:
Winifred Miller
Guy Nakamoto
Creighton Mattoon
Warren Iwasa
Conrad Shiroma
Dave Martin
Wright Hiatt
George Young
Kent Smith
Garrett Goo
Chester Lao
Norman Quon
Edsel Yamada
Reynolds Burkland
Mr. Iida
Kahalamaomuana Wasson
Jim Anthony
Karen Piltz
Barry Ching
Elizabeth Martin
Wayne Akana
Keith Krueger
Laverne Higa
Ruby & Gene Montogomery
Laura Thilen
Ken Ishizaki
Peter Lenhart
David Taogoshi
Keith Haugen

All written testimonies submitted at the meeting are filed in the Commission office and are available for review by interested parties. Some items were taken out of sequence to accommodate requests by applicants or interested parties.

AGENDA 1

ITEM 1 MINUTES OF THE SEPTEMBER 15, 1993 MEETING

Unanimously approved (Cox/Nakata).
Chairperson and Members  
Commission on Water Resource Management  
November 17, 1993  

ITEM 6  
BIG ISLAND COUNTRY CLUB ESTATES, APPLICATION FOR A PUMP INSTALLATION PERMIT, BIG ISLAND COUNTY CLUB WELL 1 (WELL NO. 4950-01), PUU ANAHULU, NORTH KONA, HAWAII  

Mr. Sakoda added the following to Condition 2:  

"The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission."  

Unanimously approved as amended (Cox/Nakata).  

ITEM 7  
CLAYTON HAUMEA, APPLICATION FOR A PUMP INSTALLATION PERMIT, MAILI-TOMITA WELL (WELL NO. 2409-24), MAILE, OAHU  

Unanimously approved (Cox/Nakata).  

ITEM 8  
EXTENSION: NANSAY HAWAII, INC WELL CONSTRUCTION PERMIT, OULL-NANSAY WELL 2 (WELL NO. 6146-01), OULL, SOUTH KOHALA, HAWAII  

Mr. Ing was excused from acting on this permit since his law firm represents the company.  

Unanimously approved (Lewin/Cox).  

ITEM 9  
EXECUTIVE SESSION: KOOLAU AGRICULTURAL CO., LTD. VS. THE COMMISSION ON WATER RESOURCE MANAGEMENT.  

The Commission adjourned to an executive session to discuss Koolau Agricultural vs. the Commission litigation (Cox/Nakata).  

AGENDA 3  
The meeting was called to order at 1:11 p.m.  

ITEM 1  
DEFERRAL OF WATER USE PERMIT APPLICATIONS, OAHU WATER MANAGEMENT AREAS  

Unanimously approved (Nakata/Cox).  

ITEM 2  
RUBY MONTGOMERY, APPLICATION FOR WATER USE PERMIT, RL MONTGOMERY WELL (WELL NO. 2751-08), KOOLAUPOKO GROUND WATER MANAGEMENT AREA, OAHU  

Unanimously approved with staff's deletion of Recommendation 1d regarding DHHL reservation (Ing/Lewin).  

ITEM 3  
KAHALA HILTON, WATER USE PERMIT APPLICATIONS, KAHALA HILTON #1 AND #2 WELLS (WELLS NOS. 1646-05 & 06), WAIALAE-WEST GROUND WATER MANAGEMENT AREA, OAHU  

Mr. Ing asked to be excused from acting on this permit since his firm represents the applicant. Standard Condition #11 will be amended to require a yearly submission.  

6
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

October 13, 1993

Gentlemen:

Kahala Hilton
Water Use Permit Applications
Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06)
Waialae-West Ground Water Management Area, Oahu

Applicant:  
Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816

Landowner:  
Bishop Estate
567 S. King Street
Honolulu, HI 96813

Background

The applicant submitted completed water use permit applications to the Commission on May 19, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

These two existing sources use salt water from the Waialae-West Aquifer System for cooling two air conditioner chillers. Following this primary use, the water is routed to a waterfall feature on the hotel grounds. The applicant requests an allocation of 2.88 million gallons per day (mgd) of salt water from each of the Kahala Hilton Wells #1 & #2 (Well Nos. 1646-05 & 06) for a total of 5.76 mgd. The Kahala Hilton #1 Well is the primary source of the salt-water supply. The Kahala Hilton #2 Well is a standby salt-water supply. The sources and use described in this permit application were registered and declared in May 1989 and verified from a field investigation conducted on August 23, 1993.

As part of the registration process, actual monthly water use data for the five-year period from 1983 through 1987 were submitted, although this use has been in existence for over 20 years. Because of the proximity of the wells to the ocean and the assumed negligible effect of the salt-water withdrawals on the aquifer system, staff has not pursued actual monthly water usage for the current period. However, a standard condition of a water use permit for this existing amount is that the applicant submit monthly water use reports. Salt-water withdrawals are measured based on the pressure drop over the air conditioning plant. Using this method, the average withdrawal from the Kahala Hilton #1 Well (Well No. 1646-05) was consistent at 2.88 mgd based on the available data. No water was withdrawn from the Kahala Hilton #2 Well (Well No. 1646-06) during this same period. Therefore, Kahala Hilton #2 Well is actually a back-up well.

The wells are located at the shoreline near Kahala Beach Park at an altitude of about 10 feet (see Exhibit 1). The active source is solidly cased to 106 feet below the ground surface and taps salt water underlying the aquifer at depths of up to 136 feet below mean sea level. No wells are located downgradient. The Office of Hawaiian
Affairs has suggested that tests be conducted to determine the impacts of withdrawals from this source on other existing uses. However, this request is for an established salt-water source from which water has been used for several decades; therefore, other local wells, streams, and the Waialae Aquifer System should not experience any impact from continued use of this water.

The Native Hawaiian Advisory Council has questioned the effect of the salt-water withdrawals on submarine discharges of brackish water and the resultant impact on shoreline ecosystems. The Division of Aquatic Resources agrees there is a potential for impacting near-shore ecosystems; however, at this time, such impacts are difficult to determine and unquantifiable. Presently, very little is known about the characteristics of ground-water discharge into the ocean, and less is understood of its role in the marine environment.

A request for reservation of water from state lands for Hawaiian Home Lands has been submitted to the Commission by the Dept. of Hawaiian Home Lands (DHHL). Although state-owned lands do exist within the aquifer system boundary, the reservation ruling should not affect this use of salt water in the Waialae-West Aquifer System. The pending request by DHHL should not prohibit Commission action on this permit application within this particular aquifer system.

RECOMMENDATION

1. The Commission approve the issuance of an interim water use permit to the Kahala Hilton to use a total of 2,880,000 gallons per day of salt water for use from the Kahala Hilton #1 & #2 Wells (Well Nos. 1646-05 & 06), subject to the standard water use permit conditions listed in Attachment B and the following special conditions:

   a. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

   b. The issuance of the permit shall be withheld until the reservation of water for the Dept. of Hawaiian Home Lands is set by rule. Until the reservation issue is resolved, the applicant may continue this existing use of water within the limits approved by the Commission.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Approved as

Attached.

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER: Waialae-West System, Honolulu Sector, Oahu

Sustainable Yield: 4 mgd
Existing Water Use Permits: 1.99 mgd
Available Allocation: 2.01 mgd
Total of other pending allocations: 0.20 mgd

1. WELL: Kahala Hilton #1 Well (Well No. 1646-05)
Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
Year Drilled: 1967
Casing Diameter: 16 in.
Elevations (msl = 0 ft.)
Water Level: NA ft.
Ground: 10 ft.
Bottom of Solid Casing: -96 ft.
Bottom of Perforated: -136 ft.
Bottom of Open Hole: -136 ft.
Total Depth: 146 ft.
Grouted Annulus Depth: NA ft.

2. WELL: Kahala Hilton #2 Well (Well No. 1646-06)
Location: 5000 Kahala Avenue, Oahu, TMK:3-5-23:39
Year Drilled: 1981
Casing Diameter: 16 in.
Elevations (msl = 0 ft.)
Water Level: NA ft.
Ground: 10 ft.
Bottom of Solid Casing: -65 ft.
Bottom of Perforated: NA ft.
Bottom of Open Hole: -135 ft.
Total Depth: 145 ft.
Grouted Annulus Depth: NA ft.
Use Information

1. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Cooling water for two air conditioner chillers
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39
   Reported Water Usage: 2.88 mgd
   Nearby Similar Water Usage: NA mgd

2. Quantity Requested: 2,880,000 gallons per day.
   Existing Type of Water Use: Standby salt-water supply well
   Place of Water Use: 5000 Kahala Avenue at TMK: 3-5-23:39
   Reported Water Usage: 0 mgd
   Nearby Similar Water Usage: NA mgd

Waialae-West Aquifer System
Current 12-Month Moving Average Withdrawal: 0.411 mgd
(% of SY) 10.5%

Nearby Surrounding Wells and Other Registered Ground Water Use

There are nine (9) other wells within a mile of these wells (see Exhibit 1). Four (4) of these wells are currently in use. Information from the registration program indicates there are possibly six (6) existing wells in the Waialae-West Aquifer System. Several of these wells have been initially field checked but many of the declarants, including the larger users, have not been completely field verified. Several are not in use or are rights claims. The Oahu Water Management Plan estimated that the existing withdrawals from both the Waialae-West and -East Aquifer Systems are 5.2 mgd as of 1990 (the total estimated sustainable yield for both systems is 6.0 mgd).

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on August 12, 1993 and August 19, 1993 and copies of the notice were sent to the Mayor's office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources & Historic Preservation Divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by September 3, 1993.

Objections/Comments

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by September 3, 1993.

To the best of staff's knowledge there are no objectors who have property interest

ATTACHMENT A
within the Waialae-West Aquifer System or who will be directly and immediately affected by the proposed water use. All objections and/or comments to the application are summarized as follows:

<table>
<thead>
<tr>
<th>Objector/Commentor</th>
<th>Objection/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHAC</td>
<td>General process of water use permit applications. Permitted use should be restricted to avoid effects on shoreline ecosystems.</td>
</tr>
<tr>
<td>DOFAW</td>
<td>No objections.</td>
</tr>
<tr>
<td>DAR</td>
<td>No effects on surface water biological resources.</td>
</tr>
<tr>
<td>HPD</td>
<td>No effect on historic sites.</td>
</tr>
<tr>
<td>OHA</td>
<td>Testing should be required to determine and limit impacts on other uses.</td>
</tr>
</tbody>
</table>

**Briefs in Support**

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and, presumably, copies are served to the applicant. No briefs in support were filed with the Commission.

**Field Investigation**

The water source and existing use was investigated on August 23, 1993. The investigation(s) verified the applicants request for water use permit.
STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act.

4. The ground water must not interfere with surface or ground water rights or reservations.

5. The ground water use must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its October 13, 1993 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source is not existing, the development of the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance the Commission’s September 16, 1992 action on reporting requirements;

12. The water use permit shall be subject to the Commission’s periodic review of the applicable aquifer’s sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Waialae-West Aquifer System, or relevant modified aquifer, is reduced;

13. The water use permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HAR §13-171-25 and the requirements of Chapter 174C, the Commission has the authority to allow the transfer of the permit and the use rights granted by the permit in a manner consistent with HAR §13-171-25. Any such transfer shall only occur with the Commission’s prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall request modification of the permit when necessary to comply with all applicable laws, rules, and ordinances which will affect the permittee’s water use.

16. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Waialae-West Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, as allowed under HAR §13-171-21. The final determination of the water use quantity shall be made within five years of the filing of the application to continue the existing use.

18. The water use permit shall be issued only after AG review.
Mr. Keith Ahue, Chairperson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Ahue:  

Subject: Your Letter of August 19, 1993 on the Applications for Water Use Permits for Waiahole Irrigation Co. Wells 2853-01, 2953-01, 2953-02 and 3053-01, Windward Oahu; Kahala Hilton Wells No. 1646-05, 06, Honolulu; Sea Life Park Hawaii Wells No. 1939-01, 02, Wells No. 1940-02, 11, Makapuu, Waimanalo, Oahu; U. S. Fish and Wildlife Well No. 2101-14, Pearl Harbor, Oahu; Native Hawaiian Advisory Council - Kunihiro Well No. 3407-02, Waialua, Oahu  

Thank you for the opportunity to comment on these applications for water use permits which are primarily for existing uses. Although we have no objections to the issuance of water use permits for these wells, we have the following comments on two of the applications.  

1. **Waiahole Irrigation Co.**  
   
   With the announced closing of Oahu Sugar Company and the lack of need for the Waiahole Ditch water for sugar cane, we request that the State start immediately to take the necessary actions to preserve this high quality water for other uses.  

2. **NHAC-Kunihiro Well No. 3407-02**  
   
   The effects of the increased use of water from this well on the yield and water quality of the other nearby flowing wells should be considered.  

Warm personal regards.  

Sincerely,  

[Signature]

FFF:js  
cc: Jeremy Harris, Managing Director
OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
(Public notice of July 27, 1993/Comments due September 3, 1993)

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use permit application processing and decisionmaking practices as previously submitted on numerous occasions (10/12/92, 10/21/92, 12/1/92, 6/22/93, & 7/8/93).

SPECIFIC OBJECTIONS

NHAC represents water source registrants, water use declarants, water use permit applicants, and others with property interest in land within the hydrologic units of the sources of water supply who would be directly and immediately affected by the proposed water uses.

1. Waiahole Irrigation Co, Ltd. 2853-01, 2953-01, 02, 3053-01 3154-01

14. POTENTIAL RESTRICTIONS ON WATER USE

The fact that these water uses are "... of long standing diversion and use" is irrelevant to the question of water use permitting under designation and to questions of potential restrictions on water use. We have been repeatedly told by the Attorney General that water management area designation creates a "clean slate." As such, from the moment of designation we cannot consider any existing water use to be reasonable and beneficial or in the public interest until such determinations are formally made by the Water Commission.

(a) Sustainable yield

Using the "clean slate" concept, it cannot be stated that "There should be no additional impact of this water use permit on the sustainable yield ..." The existing use impacts the sustainable yield of both windward and leeward aquifers. While the hydrogeological boundary conditions of water management area may have
been somewhat established and defined by the diversion of water from these tunnels, this does not preclude diversion operations and boundary conditions from being changed to better serve the public interest.

(b) Instream Flow Standards

Using the "clean slate" concept, it cannot be stated that "There should be no additional impact of this water use permit on the Instream flow standards..." The existing use impacts the flow of both windward and leeward streams. While these diversions and uses may have been considered upon establishment of instream flow standards for the area, this does not preclude diversion operations from being changed to restore streamflows.

(c) Hawaiian Home Lands uses

Because reservations of water to Hawaiian Home Lands from windward aquifers are still pending, the proposed water uses could affect Hawaiian Home Lands use. Permitted use should be restricted to avoid any such effects.

Hawaiian Home Lands also has existing, projected, and potential water needs in leeward O'ahu which could be serviced by the same sources as those supplying applicant's proposed uses. Permitted use should be restricted to avoid any effects upon Hawaiian Home Lands' ability to access these sources as needed.

(d) Other existing legal uses

The sources of applicant's water uses also supply uses of windward stream water which are protected by the appurtenant and riparian rights of windward lands and by the constitutional rights of Native Hawaiians. Applicant's water uses already affect these existing legal uses. Permitted use should be restricted to end these existing effects and to avoid any such future effects.

(e) Other:

Applicant's water uses are part of a larger system which also uses water sources and transmission facilities on State Lands. When applicant's water licenses for use of these sources and facilities expire, its uses of water under the subject permit applications should be re-examined. Thus any permits issued under these applications should be of limited duration, corresponding to the expiration of affiliated State water licenses.

15. REMARKS, EXPLANATIONS

Applicant's Concluding remarks:

Applicant's statement that "Continued use of this high level water is vital to the economic continuance of Oahu Sugar Company--" must be reevaluated in light of the company's recent announcement of the
closing of its sugarcane operations. Any water use permit issued under these applications must specify that the permit will expire when plantation operations close.

While the continued diversion of this water may be "... essential to the continued beneficial use ... in Central and Leeward Oahu," the necessity of its use for "... potential development in Central and Leeward Oahu" does not appear to be the subject of these applications for existing water uses, and any such arguments in favor of these applications must be rejected. Any changes in use under water use permits (such as from agricultural use to other "potential development") requires issuance of new water use permits covering the new uses.

2. Kahala Hilton Wells 1646-05 & 06

8. QUANTITY OF WATER REQUESTED

Since one of the wells is for stand-by use only, it seems appropriate that these two applications be covered by a single water use permit for 2.88 mgd.

15.(d) Other existing legal uses affected

Because of their proximity to the shoreline, the operation of these wells may interrupt and otherwise disturb submarine discharges of brackish water which nourish shoreline ecosystems. Any such interruption and disruption affects the receiving waters' use of the source and Native Hawaiian use of the source, receiving waters, and affiliated ecosystems. Permitted use should be restricted to avoid any such effects.

3. Sea Life Park Wells 1939-01 & 02, 1940-02 & 11

1. (b) LANDOWNER

Ownership of the Sea Life Park site remains questionable. If the site is indeed privately owned or part of the Hawaiian Home Lands trust, the applications are invalid until signed by the rightful landowner.

8. QUANTITY OF WATER REQUESTED

Because Well 1940-02 is "regulated to standby basis," it seems appropriate that its use be attached to each of the other three permit applications for 4.32 mgd, rather than being the subject of a separate allocation and permit.

15.(c) Hawaiian Home Land Uses affected

Total extraction from these wells is almost 13 mgd. This implies a correlative wastewater discharge of close to the same amount. It
is this wastewater discharge which may affect water sources and water uses on adjacent Hawaiian Home Lands and in affiliated nearshore ecosystems. Permitted use should be restricted to avoid any such effects, particularly ecosystem effects which limit the availability of resources critical to traditional and customary Native Hawaiian practices.

15.(3) Other:

Other restrictions on use include the need for applicant to obtain water licenses from the Board of Land and Natural Resources. The use of 13 mgd of State seawater has great economic benefit to Sea Life Park, and it must pay the State for the privilege of extracting this economically-valued resource.

4. Honouliuli Unit Well 2101-14

1.(b) LANDOWNER

Land ownership in the West Loch area is disputed.

15.(d) Other existing legal uses affected

Operation of the well may affect the ability of Native Hawaiians to use the area for traditional and customary purposes. Permitted use should be restricted to avoid any such effects.

Mahalo

David L. Martin, Water Claims Manager

pc: Waiahole Irrigation Co., Ltd.
   Kahala Hilton
   Sea Life Park Hawaii
   U.S. Fish & Wildlife Service
STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS
P. O. BOX 1979
HONOLULU, HAWAII 96808

September 3, 1993

The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Water Use Permits

Thank you for the opportunity to respond to these applications for the following water use permits:

O'ahu
Waialua-Kunihiro (3407-02)
Waialae-Hilton (1646-05 & 06)

We have no objections in the Waialua case.

We note that several existing wells lie near the proposed brackish caprock well for the Hilton's cooler feedwater. The proposed withdrawal is substantial, and no mention is made of any impacts on these other groundwater sources. Testing should be required to determine any such impacts and appropriate permit conditions to limit impacts on other uses.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
The Honorable Keith W. Ahue  
State of Hawaii  
Department of Land and Natural Resources  
Commission of Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809  
Attn: Mr. Manabu Tagomori, Deputy

Dear Mr. Ahue:

We have received the following water permit applications. Thank you for the opportunity to review these applications:

<table>
<thead>
<tr>
<th>Applicant Name</th>
<th>Area</th>
<th>Water Mgt. Amount Requested (gpd)</th>
<th>Tax Map</th>
<th>Well Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haiahole Irr.</td>
<td>Windward</td>
<td>6,330,000</td>
<td>Various</td>
<td>3053-01</td>
</tr>
<tr>
<td>Haiahole Irr.</td>
<td>Windward</td>
<td>2,520,000</td>
<td>Various</td>
<td>2853-01</td>
</tr>
<tr>
<td>Haiahole Irr.</td>
<td>Windward</td>
<td>16,350,000</td>
<td>Various</td>
<td>2953-01</td>
</tr>
<tr>
<td>Haiahole Irr.</td>
<td>Windward</td>
<td>1,480,000</td>
<td>Various</td>
<td>2953-02</td>
</tr>
<tr>
<td>Native Haw'n</td>
<td>Waialua</td>
<td>750,000</td>
<td>6-6-23:04</td>
<td>3407-02</td>
</tr>
<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
<td>2,880,000</td>
<td>3-5-23:39</td>
<td>1646-05</td>
</tr>
<tr>
<td>Kahala Hilton</td>
<td>Waialae</td>
<td>2,880,000</td>
<td>3-5-23:39</td>
<td>1646-06</td>
</tr>
</tbody>
</table>

Our records indicate that wells Nos. 3053-01, 2853-01, 2953-01, 2953-02, and 3407-02 are on ceded land. We have no objections in granting water permits to the applicants listed above providing that: (i) DHHL's priority for water usage is met, and (ii) water needs of Kuleana users are fully guaranteed, but we have continuing concern over the diversion of high volumes of water from the Windward aquifer systems to meet increasing water demands of large users. We must caution that water is a commodity in short supply and the granting of water permits for large users may jeopardize current or future water needs of small landholders.

Sincerely yours,

Clayton H.W. Hee  
Chairperson  
Office of Hawaiian Affairs

LM: sk
I assume there are
for the WPRs that
went to Pub Not
8/12 & 8/13 8/27/93
and
8/12 & 8/19 9/2/93
copies for files.
1993 August 30

State of Hawaii Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

OBJECTIONS TO AND COMMENTS ON WATER USE PERMIT APPLICATIONS
(Public notice of July 27, 1993/Comments due August 30, 1993)

GENERAL OBJECTIONS

We reiterate our general objections to current COWRM water use permit application processing and decisionmaking practices as previously submitted on numerous occasions (10/12/92, 10/21/92, 12/1/92, 6/22/93, & 7/8/93).

We also have specific comments on and objections to several of the applications listed in this notice, particularly those of Maui Department of Water Supply, State Department of Agriculture, Laie Water Co., Inc., and Campbell Estate. In each case NHAC represents water source registrants, water use declarants, water use permit applicants, and others with property interest in land within the hydrologic unit of the source of water supply who would be directly and immediately affected by the proposed water use.

Because of the complexity, importance, and late arrival of some of these applications to our office, we are requesting an extended review period (as provided on your memorandum) to September 3, 1993, when we will submit all objections and comments for both this set of applications and those whose objections due date is September 3.

Thank you for your consideration of this request.

David L. Martin, Water Claims Manager
MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
Historic Preservation Division

SUBJECT: Application for Water Use Permit, Kahala Hilton
Well No. 1646-05 &06
Waialae, Kona, O'ahu
TMK 3-5-23:039

Thank you for the opportunity to review this project. The applicant proposes to use water from existing sources. Since an approved permit will not authorize any ground disturbing activities we believe that there will be "no effect" on historic sites.

EJ:jt
PART I: USE OF WATER

1. Tax Map Key where the water is used: \textcolor{red}{3 \cdot 5 \cdot 03 \cdot 39}. Does the declarant own this land? \textcolor{green}{NO}. If not, who does? \textcolor{red}{BISHOP ESTATE}.

2. What is the water used for? \textit{Air Condition Cooling Water}. If for irrigation, how many acres are being irrigated by crop type? \textcolor{green}{NA}. If for livestock, how many and what kind? \textcolor{green}{NA}. If for drinking, at how many houses? \textcolor{green}{NA} by how many people?

3. Is the quantity of water use being measured? \textcolor{green}{NO}. If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:
   - How is the water taken from the system? \textcolor{green}{NA}.
   - What is the capacity for taking (gpm)? \textcolor{green}{NA}.
   - How often is it taken (used)? \textcolor{green}{NA}.

PART II: WATER SOURCE

Source #1: 16460-05
Name: \textit{Well #1}
Lat: 211732
Lon: 1574032

1. Where does the water come from? \textit{What kind of source is this?} \textcolor{red}{Well}.

   
   Types of sources include:
   1) Wells (skilled, dug, tunnel)
   2) Diversions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)
   
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer.
   4) Instream (i.e., crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? \textit{Electric Pump; Vol: 440, Speed 1200, 10" Cl. Outlet Pipe}. What is the capacity for taking (gpm)? \textcolor{red}{24 hrs 0 days}. How often is it taken (used)? \textcolor{green}{NA}.

3. Tax Map Key at the source: \textcolor{red}{3 \cdot 5 \cdot 03 \cdot 39}. Does the declarant own this land? \textcolor{green}{No}. If not, who does? \textcolor{red}{BISHOP ESTATE}.

   1) Operate and maintain the source? \textcolor{green}{YES}. If not, who does?
   2) Own the land at the source? \textcolor{green}{NO}. If not, who does? \textcolor{red}{BISHOP ESTATE}.
   3) Use the water from this source? \textcolor{green}{YES}. If not, who does?
   4) Own the land where the water is being used? \textcolor{green}{NO}.
   5) None of the above? \textcolor{green}{NO}. If so, why did they file?

4. Does any one else also use water from this source? \textcolor{green}{NO}. If yes, is their use included in this user's declaration? \textcolor{green}{NO}. Who are the other users? \textcolor{green}{NO}. Did they file?

VERIFIED BY: \textbf{Richard Jinnai}  DATE: 6/23/93
FIELD INSPECTION INFORMATION CHECKLIST

PART I: USE OF WATER

1. Tax Map Key where the water is used: 3 - 5 - 23 - 39. Does the declarant own this land? NO If not, who does? BISHOP ESTATE

2. What is the water used for? AIR CONDITIONING COOLING WATER
   If for irrigation, how many acres are being irrigated by crop type? NA
   If for livestock, how many and what kind?
   If for drinking, at how many houses? NA by how many people?

3. Is the quantity of water use being measured? NO If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously.

4. If this person takes from a multi-user pipe or ditch system:
   How is the water taken from the system? __________________________
   What is the capacity for taking (gpm)? __________________________
   How often is it taken (used)? __________________________

PART II: WATER SOURCE

Source #: 1640 - 06 Name: NEW # 2
LA 211732 LONG 1574632

1. Where does the water come from / what kind of source is this? ________________

   Types of sources include:
   1) Wells (drilled, dug, tunnel)
   2) Diversions (ditch, pipe, pump, or livestock from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer
   4) Instream (i.e., crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? ELEC PUMP 1150 RPM VOLT 230/460 AMP 130/43 10°C I. OUTLET APE
   What is the capacity for taking (gpm)? __________________________
   How often is it taken (used)? __________________________

3. Tax Map Key at the source: 3 - 5 - 23 - 39. Determine declarant's relation to source. Does the declarant:
   1) Operate and maintain the source? YES If not, who does? __________________________
   2) Own the land at the source? NO If not, who does? BISHOP ESTATE
   3) Use the water from this source? YES If not, who does? __________________________
   4) Own the land where the water is being used? NO __________________________
   5) None of the above? _____ If so, why did they file? __________________________

4. Does any one else also use water from this source? YES If yes, is their use included in this user's declaration? YES Who are the other users? Did they file? __________________________
MEMORANDUM

TO: Aquatic Resources
Forestry and Wildlife
Historic Preservation
Land Management
Natural Area Reserve System
Office of Conservation and Environmental Affairs
State Parks
Water and Land Development
Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: John Doe
Phone: 587-2413

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: John Doe
Date: 9/8/93
Oahu District Office has no objections provided that the applicant obtain the required Federal, State and County permits prior to initiating the proposed work.

Should you have any questions, please call John Dooling at 7-0433.
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
Department of Hawaiian Home Lands

Dr. John C. Lewin, M.D., Director
Department of Health

Mr. Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Mr. Kazu Hayashida, Manager & Chief Engineer
Honolulu Board of Water Supply

FROM: Keith W. Ahue, Chairperson
Commission on Water Resource Management

SUBJECT: Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

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Attachment(s)
Memorandum to:
  Mrs. Hoaliku L. Drake
  Dr. John C. Lewin
  Mr. Clayton H.W. Hee
  Mr. Kazu Hayashida

Page 2

Response: Contact person: Herbert H. Minakami  Phone: 527-6183

( ) We have no comments
(X) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: KAZU HAYASHIDA  Date: 9/3/93
Manager and Chief Engineer
MEMORANDUM

TO: Aquatic Resources
Forestry and Wildlife
Historic Preservation
Land Management
Natural Area Reserve System
Office of Conservation and Environmental Affairs
State Parks
Water and Land Development
Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ____________________________ Phone: __________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ____________________________ Date: 8/25/93
MEMORANDUM

To: Rae M. Loui, Deputy Director
Commission on Water Resource Management

From: Henry Sakuda, Administrator
Division of Aquatic Resources

Subject: Comments on Water Use Permit Applications for Kahala Hilton for Well Nos. 1646-05 and 1646-06 in the Waialae Ground Water Management Area, Oahu

The application is for two existing wells in the Waialae Golf Course. According to the information provided, approximately 5,760,000 gallons of brackish caprock water is pumped daily from the two wells to serve two air conditioner chillers. Although the quantity seems extremely large for such a purpose, there are no surface water biological resources in the area that would be affected. In addition, we note that these are existing wells that apparently predate the water code.
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: __________________________ Phone: ________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: __________________________ Date: 8/26/93

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST.
MEMORANDUM

TO:  Rae M. Loui, Deputy Director

FROM:  

SUBJECT:  Request for Comments

Water Use Permit Applications
Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ____________________________ Phone: ____________________________

☐ We have no comments
☐ We have no objections
☐ Comments attached
☐ Additional information requested
☐ Extended review period requested

Signed: ____________________________ Date: ____________

RECEIVED 32 AUG 25 1993
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Steve Tagama Phone: 587-0285
( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested
Signed: [Signature] Date: 8/29/93

The subject well sites are not located within the Conservation District.
MEMORANDUM

TO: Aquatic Resources
     Forestry and Wildlife
     Historic Preservation
     Land Management
     Natural Area Reserve System
     Office of Conservation and Environmental Affairs
     State Parks
     Water and Land Development
     Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Response: Contact person: Rae M. Loui
          Phone: 587-0218

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: Date: 8/23/93
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
         Water Use Permit Applications
         Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN: ko
Attachment(s)

Response: Contact person: Gordon Akita
            Phone: 79227

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: MANABU TAGOMORI  Date: ___/___/93
Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, HI 96816

Dear Mr. Wagner:

Enclosed is a copy of the public notice for your water use permit applications for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

Please be aware that there may be objections to your applications. If objections are made, the objector is required to file such objections with the Commission and is also required to send you a copy of the objections.

You, or any other party, may respond to objections by filing a brief in support of your applications with the Commission within ten (10) days of the filing of an objection. You, or the other party, must also send a copy of the response to the objector.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

RAE M. LOUI
Deputy Director
MEMORANDUM

TO: Aquatic Resources
   Forestry and Wildlife
   Historic Preservation
   Land Management
   Natural Area Reserve System
   Office of Conservation and Environmental Affairs
   State Parks
   Water and Land Development
   Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Applications
          Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ___________________________ Phone: __________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: __________
MEMORANDUM

TO:        Mrs. Hoaliku L. Drake, Director
            Department of Hawaiian Home Lands

            Dr. John C. Lewin, M.D., Director
            Department of Health

            Mr. Clayton H. W. Hee, Chairperson
            Office of Hawaiian Affairs

            Mr. Kazu Hayashida, Manager & Chief Engineer
            Honolulu Board of Water Supply

FROM:    Keith W. Ahue, Chairperson
            Commission on Water Resource Management

SUBJECT:  Water Use Permit Applications
            Waialae Ground Water Management Area, Oahu

Transmitted for your review and comment are copies of water use permit applications for Kahala Hilton for Well Nos. 1646-05 & 06. Public notice of these applications will be published in the Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993.

We would appreciate your review of the attached applications and please return this form by September 3, 1993.

If you have any questions regarding these applications, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Kazu Hayashida

Page 2

Response: Contact person: ___________________________ Phone: __________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: __________
Honorable Frank F. Fasi, Mayor  
City & County of Honolulu  
City Hall  
Honolulu, HI 96813

Attn: Mr. Jeremy Harris

Dear Mayor Fasi:

Notice of Applications for Water Use Permits  
Waialae Ground Water Management Area, Oahu

In accordance with the Department of Land and Natural Resource Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit applications for the Kahala Hilton for Well Nos. 1646-05 & 06, which will be published in the Honolulu Star Bulletin.

In addition, Section 13-171-13(b) of our Administrative Rules states:

"Within sixty days after receipt of notice of a permit application, the county shall inform the commission if the proposed use is inconsistent with the county land use plans and policies."

We have attached copies of the applications for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.

Very truly yours,

KEITH W. AHUE

Enc.
PUBLIC NOTICE

Applications for Water Use Permits

Ground Water Management Areas

Applications for the following water use permits have been received and are hereby
made public in accordance with Department of Land and Natural Resources Administrative
Rules 13-171, "Designation and Regulation of Water Management Areas".

Waiahole Ditch (Well No. 2853-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 8
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waiahole Ditch, Well No. 2853-01, at Waiahole, Koolaupoko, Oahu,
Tax Map Key: 4-8-18:1
Quantity Requested: 2,520,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 8
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolaupoko, Oahu,
Tax Map Key: 4-8-14:3
Quantity Requested: 16,950,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Walkane Development Tunnel #2 (Well No. 2953-02)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 8
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Walkane Development Tunnel #2, Well No. 2953-02, at Walkane,
Koolaupoko, Oahu, Tax Map Key: 4-8-14:3
Quantity Requested: 1,480,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **
# 5

** SEND **

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<th>START TIME</th>
<th>DURATION</th>
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<th>COMMENT</th>
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PUBLIC NOTICE

Applications for Water Use Permits
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas".

Waiahole Ditch (Well No. 2853-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waiahole Ditch, Well No. 2853-01, at Waiahole, Koolaupoko, Oahu,
Tax Map Key: 4-8-13:1
Quantity Requested: 2,520,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolaupoko, Oahu,
Tax Map Key: 4-8-14:3
Quantity Requested: 16,350,000 gallons per day
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Waikane Development Tunnel #2 (Well No. 2953-02)
Applicant: Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolaupoko System, Windward Sector, Oahu
Well Source: Waikane Development Tunnel #2, Well No. 2953-02, at Waikane,
Koolaupoko, Oahu, Tax Map Key: 4-8-14:5
Quantity Requested: 1,480,000 gallons per day.
Existing Water Use: Primarily for irrigation of 4,067 acres of sugarcane
Place of Water Use: Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys
Waikane Development Tunnel #1 (Well No. 3053-01)
**Applicant:** Waiahole Irrigation Co., Ltd.
P.O. Box 0
Waipahu, HI 96797
**Date Completed Application Received:** June 22, 1993
**Aquifer:** Koolaupoko System, Windward Sector, Oahu
**Well Source:** Waikane Development Tunnel #1, Well No. 3053-01, at Waikane, Koolaupoko, Oahu at Tax Map Key: 4-8-14:5
**Quantity Requested:** 6,330,000 gallons per day
**Existing Water Use:** Primarily for irrigation of 4,067 acres of sugarcane
**Place of Water Use:** Oahu Sugar Co., Ltd., Waipahu at various Tax Map Keys

Kahala Hilton #1 (Well No. 1646-05)
**Applicant:** Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
**Date Completed Application Received:** April 29, 1993
**Aquifer:** Waialae System, Honolulu Sector, Oahu
**Well Source:** Kahala Hilton #1, Well No. 1646-05, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
**Quantity Requested:** 2,880,000 gallons per day
**Existing Water Use:** Two air conditioner chillers
**Place of Water Use:** 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kahala Hilton #2 (Well No. 1646-06)
**Applicant:** Kahala Hilton
5000 Kahala Avenue
Honolulu, HI 96816
**Date Completed Application Received:** April 29, 1993
**Aquifer:** Waialae System, Honolulu Sector, Oahu
**Well Source:** Kahala Hilton #2, Well No. 1646-06, at 5000 Kahala Avenue, Oahu, Tax Map Key: 3-5-23:39
**Quantity Requested:** 2,880,000 gallons per day
**Existing Water Use:** Two air conditioner chillers
**Place of Water Use:** 5000 Kahala Avenue at Tax Map Key: 3-5-23:39

Kunihiro Well (Well No. 3407-02)
**Applicant:** Native Hawaiian Advisory Council
1088 Bishop St., Ste 1204
Honolulu, HI 96813
**Date Completed Application Received:** June 28, 1993
**Aquifer:** Waialua System, North Sector, Oahu
**Well Source:** Kunihiro Well, Well No. 3407-02, at 66-220 Kamooloa Rd, Oahu, Tax Map Key: 6-6-23:4
**Quantity Requested:** 750,000 gallons per day
**Existing Water Use:** Domestic service, irrigation for 4.5 acres of various crops, and aquaculture
**Place of Water Use:** 66-220 Kamooloa Rd, Waialua, HI at Tax Map Key: 6-6-23:4

(more)
Well 1 (Well No. 1939-01)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 1, Well No. 1939-01 at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 2 (Well No. 1939-02)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 2, Well No. 1939-02, at Makapuu Point, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well A (Well No. 1940-02)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: June 9, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well A, Well No. 1940-02, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 0 gallons per day
Existing Water Use: Standby basis for Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

Well 3 (Well No. 1940-11)
Applicant: Sea Life Park Hawaii
Makapuu Point
Waimanalo, HI 96795
Date Completed Application Received: May 18, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Well 3, Well No. 1940-11, at Makapuu, Waimanalo, Oahu, Tax Map Key: 4-1-14:13
Quantity Requested: 4,320,000 gallons per day
Existing Water Use: Oceanarium
Place of Water Use: Makapuu Point at Tax Map Key: 4-1-14:13

(more)
Honouliuli Unit (Well No. 2101-14)

Applicant: U.S. Fish & Wildlife
P.O. Box 50167
Honolulu, HI 96850

Date Completed Application Received: June 23, 1993

Aquifer: Waipahu-Waiawa System, Pearl Harbor Sector, Oahu

Well Source: Honouliuli Unit Well, Well No. 2101-14, at Pearl Harbor NWR, Oahu, Tax Map Key: 9-1-17:12

Quantity Requested: 432,000 gallons per day

Existing Water Use: Maintenance of habitat for endangered water birds

Place of Water Use: Pearl Harbor NWR - Honouliuli Unit at Tax Map Key: 9-1-17:12

Written objections or comments on the applications for water use permits may be filed by any person who has property interest in any land within the hydrologic unit of the source of water supply, any person who will be directly and immediately affected by the proposed water use, or any other interested person. Written objections shall: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; and (3) state all grounds for objections to the proposed permits. Send written objections by September 3, 1993 to 1) the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, and 2) a copy of the objection letter(s) to the applicant at the above address.

COMMISSION ON WATER RESOURCE MANAGEMENT

KEITH W. AHUE
Chairperson

Dated: JUL 27 1993

Hawaii Newspaper Agency  
Honolulu Star Bulletin  
P.O. Box 3350  
Honolulu, HI 96801  
Attn: Legal Ad

The State of Hawaii is an EQUAL EMPLOYMENT OPPORTUNITY and AFFIRMATIVE ACTION employer. We encourage the participation of women and minorities in all phases of employment.

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<td>Publish in Honolulu Star Bulletin issues of August 12, 1993 and August 19, 1993</td>
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Mr. Robert Wagner  
Kahala Hilton  
5000 Kahala Avenue  
Honolulu, HI 96816

Dear Mr. Wagner:

Application for a Water Use Permit  
Waialae Ground Water Management Area, Oahu

We acknowledge receipt, on May 19, 1993, of your completed water use permit applications for the KAHALA HILTON #1 and #2 Wells (Well Nos. 1646-05 and 1646-06). You can expect your application to be processed within ninety (90) days from the date of receipt unless there are objections to your application.

We will be sending you a copy of the public notice for your application and any further information regarding the status of your application. In addition, we may need to visit and verify your proposed water source and use sites if we have not done so already under our registration program.

If you have any questions, please contact Roy Hardy at 587-0274.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

RH:ko
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<tr>
<th>FROM:</th>
<th>TO:</th>
<th>INIT:</th>
<th>PLEASE:</th>
<th>FOR YOUR:</th>
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<td>L. NANBU</td>
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DATE: 4/29

FILE IN: ________

PLEASE:

- See Me
- Call
- Review & Comment
- Take Action
- Investigate & Report
- Draft Reply
- Acknowledge Receipt
- Type Draft
- Type Final
- Xerox ______ copies

FOR YOUR:

- Approval
- Signature
- Information

5/11 Spoke w/ Joyce, she will mail maps & additional info to EPA.
5/13 received copies of well report/declaration & topo map. 5/14 received call form.

Please call Robert Wagner and have him verbally complete yellow areas. Please fill in w/red pen as I have done.

Then just record date here 5/19.

also, I have him send in maps.

(1) make our submitted map, and

(2) make our submitted map, and

(3) make our submitted map, and

(4) make folder.
APPLICATION FOR WATER USE PERMIT

In the Commonwealth of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: Kahala Hilton
   Contact Person: Robert Wagner
   Address: 5000 Kahala Avenue, Honolulu, Hawaii 96816

(b) LANDOWNER
   Firm/Name: Bishop Estate
   Contact Person: ALICE NUNAV
   Address: 57-2112 Oahu

2. WATER MANAGEMENT AREA: WAIKALAO
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Kahala Hilton Well #1 16/46-05
   (b) PROPOSED (NEW) SOURCE NAME: 5000 Kahala Avenue

4. SOURCE LOCATION: Address: 5000 Kahala Avenue
   Tax Map Key: 16/46 4-5-23
   (Attach a USGS map, scale 1:20,000, and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one): Stream □ Basal □ Dike-continued □ Perched □ Caprock

6. METHOD OF TAKING WATER (check one): Artesian Flow □ Well & Pump □ Diverted Surface Flow □ Other (explain)

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Address: 5000 Kahala Avenue
   Tax Map Key: 16/46 4-5-23
   (b) Land Use District (check one): Urban □ Agriculture □ Conservation □ Rural
   (c) County Zoning (describe): Kamehameha Schools/Bishop Estate

8. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day

9. METHOD OF MEASUREMENT: □ Flowmeter □ Open-pipe □ Well □ Office □ Other (explain)

10. QUALITY OF WATER REQUESTED: □ Fresh □ Brackish □ Salt □ Potable □ Non-Potable □ Other (explain)

11. PROPOSED USE: □ Municipal (including hotels, stores, etc.) □ Domestic (individual, noncommercial, etc.) □ Irrigation □ Industrial □ Military □ Other (explain)

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain): Two - Air Conditioner - Chillers

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP: N/A (Acres) (crop)

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 24 hours a day (indicate hours of operation)

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
   (a) Impact on Sustainable yield (T): N/A
   (b) Permanent or Interim Instream Flow Standards affected (7): N/A
   (c) Hawaiian Home Land uses affected (7): N/A
   (d) Other existing legal uses affected (7): N/A
   (e) Other: N/A

16. REMARKS, EXPLANATIONS: (If more space is needed, continue on back side)

---

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resource Management, a permit is subject to their existing permitted uses, changes in sustainability rules and instream flow standards, reserved uses as defined by the Commission, and Hawaiian home lands future uses. In addition, an applicant who requests a water withdrawal larger than 1,000,000 gallons per day must submit a petition, and shall be subject to the Commission's approval.

Applicant (print)
Signature
Date

Landowner (print): Kamehameha Schools/Bishop Estate
Signature
Date

For Official Use Only:
Date Received
Hydrologic Unit No.
Diversions Works No.
Date Accepted
State Well No.

Notice to the Public:
Mayor
BWS
Mail List
Bulletin
Pub: Henry
APPLICATION FOR WATER USE PERMIT

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
KAHALA HILTON
Firm/Name: Robert Wagner / C.E.
Contact Person: C. E. 2227
Address: 5000 Kahaia Avenue
Honolulu, Hawai'i 96816

(b) LANDOWNER
Bishop Estate
Firm/Name: Bishop Estate
Contact Person: Bishop Estate
Address: Bishop Estate

2. WATER MANAGEMENT AREA: _____________

3. (a) EXISTING SOURCE NAME AND STATE NUMBER:
Kahala Hilton Well #2 16-6-06
(well or stream diversion name/number)

(b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION: Address 5000 Kahala Avenue
Tax Map Key 5000 2-5-23:39
(Attach a USGS map, scale 1"=2000', and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one):
□ Stream □ Groundwater □ Open-pipe □ Other (explain)

6. METHOD OF TAKING WATER (check one):
□ Artesian Flow □ Well & Pump □ Perched □ Diverted Surface Flow □ Other (explain)

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)

(a) Address 5000 Kahala Avenue
Tax Map Key 5000 2-5-23:39
(b) Land Use District (check one):
□ Rural □ Agriculture □ Conservation □ Industrial □ Other (explain)
(c) County Zoning (description)

8. QUANTITY OF WATER REQUESTED: 2,880,000 gallons per day - stand by only

9. METHOD OF MEASUREMENT:
□ Flowmeter □ Orifice □ Other (explain)

10. QUALITY OF WATER REQUESTED:
□ Non-Potable □ Potable □ Irrigation
□ Domestic (individual, commercial, etc.) □ Military
□ Agricultural (including hotels, stores, etc.) □ Other (explain)
□ Industrial □ Military
□ Non-Potable □ Irrigation
□ Domestic (individual, commercial, etc.) □ Other (explain)

11. PROPOSED USE:
□ Irrigation □ Domestic (including hotels, stores, etc.) □ Other (explain)
□ Municipal (including hotels, stores, etc.) □ Industrial □ Other (explain)
□ Agricultural (individual, commercial, etc.) □ Non-Potable □ Irrigation
□ Non-Potable □ Irrigation
□ Municipal (including hotels, stores, etc.) □ Other (explain)

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain):
Two - Air Conditioner - Chillers

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP:
N/A (acres) / (crop)

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION:
24 hours per day

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:

(a) Impact on Sustainable yield (?): N/A
(b) Permanently or Interim
Instream Flow Standards affected (?): N/A
(c) Hawaiian Home Land uses affected (?): N/A
(d) Other existing legal uses affected (?): N/A
(e) Other:

16. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back side)

NOTE: Signing below indicates that the applicant understands that a water use permit is granted by the Commission on Water Resource Management, a permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands Uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted to the Commission.

Applicant (print): Kamehameha Schools/Bishop Estate
Signature: Paul J. Ewell, Manager
Date: ________

For Official Use Only:
Date Received: ________
Date Approved: ________
Hydrologic Unit No.: ________
Diverion Works No.: ________
Notice Date: ________
Public Hearing: ________

Landowner (print): Bishop Estate
Signature: _______
Date: ________

Notice Date: ________
Public Hearing: ________
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REGISTRATION OF WELL AND DECLARATION OF WATER USE

STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

FORM 881(1)

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N.A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 378, Honolulu, Hawaii 96819. Phone 848-2048 or 848-7942 for assistance.

FILLING OUT THE FORM:

For Battery of Wells: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

STATE WELL NO.: ______
WELL NAME OR DESIGNATION: KAHALIA HILTON WELL # 1
ISLAND: OAHU

SOURCE OR STATION NAME (For a battery of wells):

A. WELL OPERATOR
Firm name: KAHALIA HILTON
Contact person: ANDREI DE KREEK
Address: 561 KALUHALU ST. STE. 1501
Hon. Hi.
Zip: 96816 Phone: 1-234-2211

B. OWNER OF WELL SITE
Firm name: ______________________
Contact person: ______________________
Address: ______________________
Zip: _______ Phone: _______

C. WELL LOCATION
Tax Map Key: 16/46 Town, Place, District: KAHALIA

Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA
For Drilled Wells: submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts: submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): 105 ft.
Reference point (Used to measure depth to water): __________
Elevation: __________ ft.
Description: ______________________

Depth to water (below reference point): __________ ft.
Maximum recorded chloride: __________ ppm
Minimum recorded chloride: __________ ppm
Maximum chloride in 1987: __________ ppm
Minimum chloride in 1987: __________ ppm

E. INSTALLED PUMP DATA
Pump type: □ Vertical shaft □ Submersible □ Centrifugal □ Other (specify):
Pump capacity: ___ gph (gallons per minute)
Pump installation contractor: __________

For Official Use Only:
Date received: ______ Date accepted: ______
Field checked by: ______ Date: ______ Latitude: ______
Comments: ______ Longitude: ______ State Well No.: ______

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  □ Daily  □ Weekly  □ Monthly  □ Other (Describe):  

Method of measurement:  □ Flow Meter  □ Orifice  □ Other (Describe):  

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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Minimum day’s use: 2,040,000 gallons  Maximum day’s use: 2,800,000 gallons

Typical times of usage: [List and describe]

Type of Use (Check all category boxes that apply and provide additional information as indicated):  

Category  Additional Information

    □ Municipal (including resorts, hotels, businesses)  
    □ Domestic (systems serving 25 people or less)  
    □ Irrigation  Number of service connections: _________
    □ Other (specify): _________

Acres irrigated:  

Crop(s):  □ Sugar  □ Pineapple  □ Other (specify): _________

Non-Crop:  □ Landscape  □ Golf Course  □ Other (specify): _________

Method:  □ Drip  □ Furrow  □ Sprinkler

□ Industrial  

□ Cooling  □ Manufacturing  □ Mill

□ Military

□ Other  Specify (livestock, aquaculture, etc.): _________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ______________________ Date: __________

Printed Name: ______________________

Firm or Title (Well Operator, etc.): ______________________
**STATE OF HAWAII**  
**COMMISSION ON WATER RESOURCE MANAGEMENT**  
**DEPARTMENT OF LAND AND NATURAL RESOURCES**  
**DIVISION OF WATER RESOURCE MANAGEMENT**

**REGISTRATION OF WELL AND DECLARATION OF WATER USE**

**INSTRUCTIONS:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 272, Honolulu, Hawaii 96809. Phone 548-3145 or 548-7542 for assistance.

**BATTERY OF WELLS:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

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<table>
<thead>
<tr>
<th>STATE WELL NO.: ___________</th>
<th>ISLAND: OAHU</th>
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<tbody>
<tr>
<td>WELL NAME OR DESIGNATION:</td>
<td>KAHUA HI'UON</td>
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<tr>
<td>SOURCE OR STATION NAME (for a battery of wells):</td>
<td>HUETEL</td>
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<td>WELL NO.: ________</td>
<td>ISLAND: OAHU</td>
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**A. WELL OPERATOR**

<table>
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<tr>
<th>Firm name: KAHUA HI'UON</th>
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<tbody>
<tr>
<td>Contact person: ANDREAS DE ROEWEK</td>
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<td>Zip: 96816</td>
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</tbody>
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**B. OWNER OF WELL SITE**

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<th>Firm name:</th>
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<td>Contact person:</td>
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<td>Zip:</td>
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**C. WELL LOCATION**

<table>
<thead>
<tr>
<th>Tax Map Key: 16/16</th>
<th>Town, Place, District: KAHUA</th>
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Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

---

**D. WELL DATA**

For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.

For Tunnels and Shales, submit construction drawings, plot plan, or sketch map.

- Ground elevation (Mean sea level): 18.30 ft.
- Reference point (used to measure depth to water): 18.30 ft.
- Description: (HON. HI.)
- Well elevation: (HON. HI.)
- Year drilled or constructed: 1981
- Well contractor: AMERICAN RESOURCES
- Casing diameter: 16 in.
- Solid casing depth (below ground): 75 ft.
- Perforated casing depth (below ground): 30 ft.
- Total depth of well: 145 ft.
- Maximum recorded chloride ppm: 125
- Minimum recorded chloride ppm: 75
- Maximum chloride in 1987: 125 ppm
- Minimum chloride in 1987: 75 ppm

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**E. INSTALLED PUMP DATA**

- Pump type: Vertical shaft
- Power: Diesel, 10 HP
- Pump capacity: 2500 gallons per minute

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(continued over)

For Official Use Only:

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<th>Date received:</th>
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References: Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  □ Daily  □ Weekly  □ Monthly

Method of measurement:  □ Flow Meter  □ Orifice  □ Other (describe):

Other (describe):  ____________________________

Quantity of Use (Report measured or estimated monthly water use from the well described on the reverse side of this form. For the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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<td></td>
<td></td>
</tr>
<tr>
<td>December</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Minimum day's use:  280,000 gallons  Maximum day's use:  250,000 gallons

Typical times of usage:

Type of Use (Check all category boxes that apply and provide additional information as indicated):

- Municipal (including schools, hospitals, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Municipal (including schools, hospitals, businesses)</td>
<td></td>
</tr>
<tr>
<td>□ Domestic (systems serving 25 people or less)</td>
<td></td>
</tr>
<tr>
<td>□ Irrigation</td>
<td></td>
</tr>
</tbody>
</table>

Acres Irrigated:

Crop(s):
- □ Sugar
- □ Pineapple
- □ Other (specify):

Non-Crop:
- □ Landscape
- □ Golf Course
- □ Other (specify):

Method:
- □ Drip
- □ Furrow
- □ Sprinkler

- □ Cooling
- □ Manufacturing
- □ Mill
- □ Other (specify):  ____________________________

Specify (livestock, aquaculture, etc.):

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ____________________________ Date: __________

Printed, Name: ____________________________
Firm or Title (Well Operator, etc.): ____________________________
Dear Mr. Rozeboom:

Following our telephone conversation of March 14, 1989, I herewith enclose, to the best of our recollection, the information you requested pertaining to the use of wells at the Kahala premises.

For your information, we are using only one of our two wells 24-hrs daily all year round for the use of our air conditioning plant. Thus, the second well is used for stand-by only.

The water quality is basically equal to ocean water, therefore very corrosive. This explains why we do not have any other way of measure other than knowing the pressure drop which equals ± 2,000 gpm.

With regards to #1646-03 on the enclosed map, we do not recall this information on our premises, therefore please disregard it. I have however, indicated the approximate location of our two wells with two red dots on the map.

I trust that this information is adequate, should you have any further questions regarding this matter, please do not hesitate to call me at 734-2211 ext. 7030.

Sincerely yours,

Andreas de Kreek
Chief Engineer

Enclosure
Map of the Island of Oahu, scale 1:62,500, 1954, is available
HONOLULU, HAWAII
N2115—W15746.5/7.5
1969

Kahala Hilton Hotel

OAHU
The Kahala Hilton  
Hilton Hawaiian Village  
Honolulu, Hawaii.

Att. Mr. Frank Swadley,  
Project Manager

Gentlemen:

We have today completed the drilling and casing of the 12" well at the Kahala Hilton in accordance with my proposal of May 2 and your letter of acceptance of even date.

This well is 150 feet deep and cased with standard 12" black steel pipe to 116 feet where it was driven into the rock and cemented. Open hole continues in rock which, in places, is very hard.

Water came in at a depth of 130 feet and rose to 6' below the 12" flange on the casing. This is probably sea level though no actual levels have been run. Here it remains. This is not artesian water but rather a very saline water. The geologists have explained that at this depth we are not in the Koolau rock which would yield the fresh artesian water as we had looked for but in a more recent flow known as the Honolulu series. We do not know how deep the Koolau is at this location.

The well was pumped at the rate of 600 g.p.m. for one half hour. This was as long as we could run as the storm drain was obstructed due to operations in the beach area. But this was long enough to indicate, without doubt, that 800 g.p.m. and more, are available. At 600 g.p.m. the draw-down was but 34". See pump test data attached on separate sheet.

Mr. Waugh Smith was present on the site directly after the test and discussed the subject with Mr. Sam Wong of the U. S. Geological Survey. Mr. Wong assisted with the test and later tested the water for salinity. A sample was also taken and given to the Board of Health for bacteria analysis. A copy of this finding is also attached.
Although the salt water is a direct reversion of what we had anticipated, it is completely satisfactory to Mr. Smith as his equipment is designed for it and it will make a better lagoon condition.

Our equipment is now being removed from the site and the well will be temporarily secured. When you can give me the correct desired elevation, we will weld a 12" flange on the top of the casing.

Statement covering the work is enclosed.

Very truly yours,

[Signature]

NN/zw

Bd./health Test 5/20/63
MPH/low rate Negative
Dr. Phyc. Yard 26
Bol. response equals soinful
1st of submitted
Pump Test

4" pump. Measurements refer to face of 12" flange on well casing.

<table>
<thead>
<tr>
<th>Time</th>
<th>Rate</th>
<th>Water Level</th>
<th>Draw Down</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:50</td>
<td></td>
<td>6' 3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:51</td>
<td></td>
<td></td>
<td></td>
<td>Start pump</td>
</tr>
<tr>
<td>8:54</td>
<td>263</td>
<td>6' 4½&quot;</td>
<td>1½&quot;</td>
<td>Sample No. 1 18,700 p.p.m.</td>
</tr>
<tr>
<td>9:05</td>
<td>263</td>
<td>6' 4&quot;</td>
<td>1&quot;</td>
<td>Sample No. 2 18,900 p.p.m.</td>
</tr>
<tr>
<td>9:09</td>
<td></td>
<td></td>
<td></td>
<td>Increase pump speed</td>
</tr>
<tr>
<td>9:10</td>
<td>600</td>
<td>6' 7&quot;</td>
<td>4&quot;</td>
<td>Sample No. 3 18,900 p.p.m.</td>
</tr>
<tr>
<td>9:22</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Temperature 73 degree</td>
</tr>
<tr>
<td>9:28</td>
<td>600</td>
<td>6' 6½&quot;</td>
<td>3½&quot;</td>
<td>Sample No. 4 19,700 p.p.m.</td>
</tr>
<tr>
<td>9:29</td>
<td></td>
<td></td>
<td></td>
<td>Stop pump - drain plugged - flooding area</td>
</tr>
<tr>
<td>9:32</td>
<td></td>
<td>6' 1&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:35</td>
<td></td>
<td>6' 1&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water very clear throughout.
Note: Sea water is approx. 20,000 p.p.m.

Test by: Sam Wong, U.S. Geological Survey
Nest Whiton - Drilling Contractor & crew
Rough Sketch of
SALT WATER WELL
Drilled at
KAHALA, HILTON HOTEL
by
Nat Whitm
May 1963

Temporary Cover
0 0 - ground surface
Approx. BL 4 0
12" Casing
116 - end of casing
Cement
136 - first water
Medium Rock
150 - end of hole

Hard Rock
Alternating shale of Hana
114

May 31, 1963
**REGISTRATION OF WELL AND DECLARATION OF WATER USE**

**STATE WELL NO.:** 16-41-0566  
**WELL NAME OR DESIGNATION:** KAUHACA  
**ISLAND:** OAHU

**SOURCE OR STATION NAME (For a battery of wells):**

A. WELL OPERATOR  
**Firm name:** KAUHACA  
**Contact person:** ANGELES DE KANEK  
**Address:** 161 KANEOHE ST., #1600  
**Zip:** 98686  
**Phone:** 734-2211

**WELL LOCATION**

**Tax Map Key:** 16/46  
**Town, Place, District:** KAHULOA

**D. WELL DATA**

- **For Drilled Wells:** Submit "as-built" drawing, driller's log, and pump test results, and complete items below.  
- **For Tunnels and Shafts:** Submit construction drawings, plan, or sketch map.

**Year drilled or constructed:** 1981

- **Ground elevation (mean sea level):** 10.5 ft.  
- **Reference point:** (Used to measure depth to water)  
- **Elevation:** 10.5 ft.  
- **Description:**

**Depth to water (Below reference point):** 56 ft.  
**Maximum recorded chloride in 1987:** 0.9 ppm  
**Minimum recorded chloride in 1987:** 0 ppm

**Well contractor:** HAWSA RESOURCES

**E. INSTALLED PUMP DATA**

- **Pump type:** [ ] Vertical shaft  
- **Power:** [ ] Diesel, ____ HP  
- **Pump capacity:** 2000 gallons per minute

**Field checked by:** [ ] Date:  
**Comments:**

---

**For Official Use Only:**  
**Date received:** 3-26-84  
**Date accepted:**

---

**References:** Hawaii Revised Statutes, Chapter 174C.  
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly
□ Other (Describe):

Method of measurement: □ Flow Meter □ Orifice
□ Other (Describe): PLEASURE DROP MEASURE Installation
□ Other (Describe):

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Domestic (systems serving 25 people or less)</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td>Acres Irrigated:</td>
</tr>
<tr>
<td></td>
<td>Crop(s): □ Sugar □ Pineapple</td>
</tr>
<tr>
<td></td>
<td>Non-Crop: □ Landscape □ Golf Course</td>
</tr>
<tr>
<td></td>
<td>Method: □ Drip □ Furrow □ Sprinkler</td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
</tr>
<tr>
<td></td>
<td>□ Cooling □ Manufacturing □ Mill</td>
</tr>
<tr>
<td></td>
<td>Other (specify):</td>
</tr>
<tr>
<td></td>
<td>Specify (livestock, aquaculture, etc.):</td>
</tr>
<tr>
<td></td>
<td>Military</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
</tbody>
</table>

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature: ______________________ Date: _______________
Printed Name: ________________________________
Firm or Title (Well Operator, etc.): ________________________________
**REGISTRATION OF WELL AND DECLARATION OF WATER USE**

**INSTRUCTIONS:** Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3048 or 548-7943 for assistance.

**BATTERY OF WELLS:** For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.

<table>
<thead>
<tr>
<th>STATE WELL NO.: 16A-0-046</th>
<th>ISLAND: OAHU</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELL NAME OR DESIGNATION: KAHALA HUNI D WELLS # 1.</td>
<td></td>
</tr>
<tr>
<td>SOURCE OR STATION NAME (For a battery of wells):</td>
<td></td>
</tr>
</tbody>
</table>

**A. WELL OPERATOR**

<table>
<thead>
<tr>
<th>Firm name: KAHALA HUNI D</th>
<th>Contact person: ANDREWS OF KEEPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address: 1561 KAHANA TERR, #1601, HON. HI.</td>
<td></td>
</tr>
<tr>
<td>Zip: 96816</td>
<td>Phone: 734-2211</td>
</tr>
</tbody>
</table>

**B. OWNER OF WELL SITE**

<table>
<thead>
<tr>
<th>Firm name:</th>
<th>Contact person:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>Zip:</td>
<td>Phone:</td>
</tr>
</tbody>
</table>

**C. WELL LOCATION**

<table>
<thead>
<tr>
<th>Tax Map Key: 16/46</th>
<th>Town, Place, District: KAHAL A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attach USGS &quot;Quad&quot; map (scale 1:24,000), tax map, or other map showing the well location.</td>
<td></td>
</tr>
</tbody>
</table>

**D. WELL DATA**

For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below. For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

- **Ground elevation (mean sea level):** 105 ft.
- **Reference point (used to measure depth to water):** Elevation: 205' 0.5 ft.
- **Description:**
- **Depth to water (below reference point):** 100 ft.
- **Maximum recorded chloride:** SALT WATER ppm
- **Minimum recorded chloride:** ppm
- **Maximum chloride in 1987:** ppm

**E. INSTALLED PUMP DATA**

<table>
<thead>
<tr>
<th>Pump type:</th>
<th>Vertical shaft</th>
<th>Submersible</th>
<th>Centrifugal</th>
<th>Other (specify):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power:</td>
<td>Diesel, ___ HP</td>
<td>Gas, ___ HP</td>
<td>Electric, ___ HP</td>
<td>Other (specify):</td>
</tr>
<tr>
<td>Pump capacity:</td>
<td>2000 gallons per minute</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump installation contractor:</td>
<td>LAYNE INTERNATIONAL INC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**For Official Use Only:**

- **Date received:** 9/26/94
- **Date accepted:**
- **Field checked by:**
- **Date:**
- **Comments:**

**References:** Hawaii Revised Statutes, Chapter 174C.

Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded: □ Daily □ Weekly □ Monthly

Method of measurement: □ Flow Meter □ Orifice □ Other (Describe): Pressure Drop Measure Over Air conditioner Condensers.

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan.</td>
<td>89300</td>
<td>89300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb.</td>
<td>86900</td>
<td>80900</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>March</td>
<td>89300</td>
<td>89300</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>April</td>
<td>86400</td>
<td>86400</td>
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<tr>
<td>May</td>
<td>89300</td>
<td>89300</td>
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<td></td>
<td></td>
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<tr>
<td>June</td>
<td>86400</td>
<td>86400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>89300</td>
<td>89300</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Aug.</td>
<td>89300</td>
<td>89300</td>
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<tr>
<td>Sept.</td>
<td>86400</td>
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</tr>
<tr>
<td>Oct.</td>
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</tr>
<tr>
<td>Nov.</td>
<td>86400</td>
<td>86400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec.</td>
<td>89300</td>
<td>89300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANNUAL</td>
<td>1051400</td>
<td>1051400</td>
<td>1051400</td>
<td>1051400</td>
<td>1051400</td>
</tr>
</tbody>
</table>

Minimum day's use: 288000 gallons
Maximum day's use: 288000 gallons

Typical times of use:

Type of Use (Check all category boxes that apply and provide additional information as indicated):

□ Municipal (including resorts, hotels, businesses)
□ Domestic (systems serving 25 people or less)
□ Irrigation
□ Industrial
□ Military
□ Other

Additional Information:

Number of service connections:__________________________

Acres Irrigated:__________________________

Crop(s): □ Sugar □ Pineapple □ Other (specify):__________________________

Non-Crop: □ Landscape □ Golf Course □ Other (specify):__________________________

Method: □ Drip □ Furrow □ Sprinkler □ Cooling □ Manufacturing □ Mill

□ Other (specify):__________________________

Specify (livestock, aquaculture, etc.):__________________________

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature:__________________________ Date:__________________________
Printed Name:__________________________
Firm or Title (Well Operator, etc.):__________________________
WELL DRILLING PERMIT
for
Kahala Hilton Hotel Well
Honolulu, Oahu

TO:  Kahala Hilton Hotel
      5000 Kahala Avenue
      Honolulu, Hawaii 96816

Your application for a permit to drill a well has been approved:

Gr. Elevation: 9.9 ft., msl
Casing Dia.: 20 inches
Casing Depth: 75 ft.
Total Depth: 100 ft.
Pump Capacity: 2800 gpm
Use: Cooling and porpoise pond

You are hereby granted permission to drill the above described well, in accordance with Department Regulation 9, subject to the following conditions:

1. A copy of the driller's logs, "as-built" drawing, and completed Driller's Report shall be submitted to the Department.

2. The well shall be tested for yield, drawdown, and chloride content and the data reported in the Driller's Report.

SUSUMU ONO, Chairman of the Board

Enc.: Driller's Report form

February 11, 1981
Date of Issuance
bcc: Honolulu BWS, USGS, Dept of Health
TO: Department of Land and Natural Resources  
Division of Water and Land Development  
P. O. Box 373  
Honolulu, Hawaii 96809  

GENTLEMEN:

WE ARE SENDING YOU [ ] Attached  [ ] Under separate cover via [ ] the following items:  
[ ] Shop drawings  [ ] Prints  [ ] Plans  [ ] Samples  [ ] Specifications  
[ ] Copy of letter  [ ] Change order  [ ]  

<table>
<thead>
<tr>
<th>COPIES</th>
<th>DATE</th>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Application for Well Drilling Permit</td>
</tr>
</tbody>
</table>

THESE ARE TRANSMITTED as checked below:  
[ ] For approval  [ ] Approved as submitted  [ ] Resubmit ______ copies for approval  
[ ] For your use  [ ] Approved as noted  [ ] Submit ______ copies for distribution  
[ ] As requested  [ ] Returned for corrections  [ ] Return ______ corrected prints  
[ ] For review and comment  [ ] FOR BIDS DUE _______ 19 _______  [ ] PRINTS RETURNED AFTER LOAN TO US  

REMARKS  
__________________________________________________________________________  
__________________________________________________________________________  
__________________________________________________________________________  

COPY TO ___________________  

SIGNED  

If enclosures are not as noted, kindly notify us
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  Yes  ☐ No
If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island: Oahu  Tax Map Key: 3-5-23:39  Attach a plot plan showing well location referenced to established property boundaries.
2. WATER USER: KAHALA HILTON HOTEL  Telephone: 734-2211
   Address: 5000 Kahala Avenue, Honolulu, Hawaii  Zip Code: 96816
3. PROPOSED DRILLING COMPANY: WATER RESOURCES INTERNATIONAL, INC.
4. PROPOSED WORK: ☐ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal
   ☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

PROPOSED SECTION OF WELL

<table>
<thead>
<tr>
<th>Elevation at top of casing</th>
<th>11.0 ft. msl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Elev.</td>
<td>9.89 ft. msl*</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>75 ft.</td>
</tr>
<tr>
<td>Hole Dia.</td>
<td>24 in.</td>
</tr>
<tr>
<td>Total Depth</td>
<td>100 ft.</td>
</tr>
<tr>
<td>Rock Packing</td>
<td>None</td>
</tr>
</tbody>
</table>

*Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial
   ☐ Domestic ☐ Disposal ☐ Other (specify)  ________

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
   ☐ Daily 4 MGD gallons ☐ Monthly gallons ☐ Yearly gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 2800 gallons per minute

Signature:  

Water User: KAHALA HILTON HOTEL

Date: December 17, 1980

Signature:  

Landowner of Well Site

Date: Dec 15, 1980

For Official Use:

State Well No.  
DLNR Permit No.  
DLNR Application No.