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reservations in O'ahu and Moloka'i water management areas are finalized, our objections for this reason are thereby withdrawn.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,

[Signature]

Hoaliku L. Drake, Chairman  
Hawaiian Homes Commission
MINUTES
FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: October 13, 1993
TIME: 9:00 a.m.
PLACE: Board Room
Kalanikou 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 Montgomery
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. 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.
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

ITEM 3
AGENDA 3
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 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

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

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

<table>
<thead>
<tr>
<th>WELL:</th>
<th>Kahala Hilton #2 Well (Well No. 1646-06)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
<td>5000 Kahala Avenue, Oahu, TMK:3-5-23:39</td>
</tr>
<tr>
<td>Year Drilled:</td>
<td>1981</td>
</tr>
<tr>
<td>Casing Diameter:</td>
<td>16 in.</td>
</tr>
<tr>
<td>Elevations (msl = 0 ft.)</td>
<td></td>
</tr>
<tr>
<td>Water Level:</td>
<td>NA ft.</td>
</tr>
<tr>
<td>Ground:</td>
<td>10 ft.</td>
</tr>
<tr>
<td>Bottom of Solid Casing:</td>
<td>-65 ft.</td>
</tr>
<tr>
<td>Bottom of Perforated:</td>
<td>NA ft.</td>
</tr>
<tr>
<td>Bottom of Open Hole:</td>
<td>-135 ft.</td>
</tr>
<tr>
<td>Total Depth:</td>
<td>145 ft.</td>
</tr>
<tr>
<td>Grouted Annulus Depth:</td>
<td>NA ft.</td>
</tr>
</tbody>
</table>
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) 10.57%

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 Commissions'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
Exhibit 1
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. 2553-01, 2953-01,02, 3053-01, 3153-01

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
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,

[Signature]
Hoaliku 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>Water Mgt. 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. Hee
Chairperson
Office of Hawaiian Affairs

LM:sk
I assume there are
for the WPA's that
went to Pub Not
8/6 & 8/13
and
8/12 & 8/19
9/02/93
copies for files.

1646-05-06
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, 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: 3 - 5 - 03 - 39. Does the declarant own this land? **No**. If not, who does? **BISHOP ESTATE**

2. What is the water used for? **A/C 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 #: 10440-05
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) L 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? **PUMP VALVE 400 HP, 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? Did they file? ____________________________

VERIFIED BY: **RICHARD JINDAI**  DATE: 8/23/93
PART I: USE OF WATER

Declarant’s File Reference: KAHALO HILTON

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

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

3. Is the quantity of water use being measured? \textbf{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? \textbf{N/A}
   What is the capacity for taking (gpm)? \textbf{N/A}
   How often is it taken (used)? \textbf{N/A}

PART II: WATER SOURCE

Source #: 1646 - 06 Name: \textbf{NEW # 2} Lat 21° 17' 32" Long 15° 40' 32"

1. Where does the water come from / what kind of source is this? \textbf{NEW}

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? \textbf{ELEC PUMP 11:00 RPM VOLT 230/460 AMP 180/43 50° C.A. OUTLET N/P}
   What is the capacity for taking (gpm)? \textbf{24 4/6 5/04}
   How often is it taken (used)? \textbf{24 HR 040}

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

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

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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
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

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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.

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

Signed: ____________________________ Date: 8/26/93

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST.
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: 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: Steve Tagawa 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: Rae M. Loui, Deputy Director

Phone: 587-0218

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

Signed: Date: 8/26/93
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: 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 AUG 25 P14:43

( ) We have no comments
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.

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.

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

Walnole Ditch (Well No. 2853-01)
Applicant: Waialae Irrigation Co., Ltd.
P.O. Box 0
Walnole, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolau System, Windward Sector, Oahu
Well Source: Walnole Ditch, Well No. 2853-01, at Waialae, Koolau, 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., Walnole at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waialae Irrigation Co., Ltd.
P.O. Box 0
Walnole, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolau System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolau, 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., Walnole at various Tax Map Keys

Walnole Development Tunnel #2 (Well No. 2953-02)
Applicant: Waialae Irrigation Co., Ltd.
P.O. Box 0
Walnole, HI 96797
Date Completed Application Received: June 22, 1993
Aquifer: Koolau System, Windward Sector, Oahu
Well Source: Walnole Development Tunnel #2, Well No. 2953-02, at Walnole,
Koolau, 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., Walnole at various Tax Map Keys

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **

# 5

*** SEND ***

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TOTAL 0:02'59" 5 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

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.

### PUBLIC NOTICE

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

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

<table>
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<td><strong>APPLICATIONS FOR WATER USE PERMITS, GROUND WATER MANAGEMENT AREA</strong></td>
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**GOODS/SERVICES RECEIVED IN GOOD ORDER AND CONDITION BY**

**DATE**

**FOR DEPARTMENT USE ONLY**

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**AUTHORISED SIGNATURE**

A. FURUUCHI

**REQUISITIONER**

Edward Sabo

**TELEPHONE**

587-0225

**AUTHENTICATED BY**

A. FURUUCHI
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
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: [Signature]  DATE: 4/29  FILE IN: ___________

TO: G. Matsumoto  INIT: ___________
    E. Sakoda
    Y. Shiroma
    E. Hirano
    D. Higa
    G. Bauer
    R. Hardy
    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

5/11 spoke with Joyce, she will mail maps & additional info for EPA.
5/18 received copy of well regist/declaration & topo map. 5/19 received call from ___ make folder.

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

lenore,
APPLICATION FOR WATER USE PERMIT

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

APPLICATION FOR WATER USE PERMIT

☐ Ground Water or ☐ Surface Water

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call 808-587-0554.

1. (a) APPLICANT
   Name: Kahala Hilton
   Address: 5000 Kahala Avenue
   Honolulu, Hawaii 96816

   (b) LANDOWNER
   Name: Bishop Estate
   Address: 57031.24

2. WATER MANAGEMENT AREA: WAILAEA
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Kahala Hilton
   Well #1 1646-05
   (well or stream diversion name/number)

(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 parcel tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one):
   □ Stream
   □ Spring
   □ Artesian Flow
   □ Well & Pump
   □ Diverted Surface Flow
   □ Other (explain)

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)

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

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

10. QUALITY OF WATER REQUESTED:
    □ Fresh
    □ Brackish
    □ Salt
    □ Potable
    □ Non-Potable
    □ Other (explain)

11. PROPOSED USE:
    □ 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) 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:

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 later vesting permitted uses, changes in sustainability plans and instream flow standards, reserved uses as defined by the Commission, and Hawaiian homelands future uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

Applicant (print)
Signature
Date

Landowner (print)
Signature
Date

For Official Use Only:
Date received
Hydrologic Unit No.
Date accepted
Diversion Works No.
State well No.
Notice Dates:
Public Mayor SWS Mail List Bulletin Pub: Hawaii
APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: KAHALA Hilton
   Contact Person: Robert Wagner / C.E.m. 734-2211
   Address: 5000 Kahala Avenue
   Honolulu, Hawaii 96816

2. WATER MANAGEMENT AREA: WAIKANE
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER:
   Kahala Hilton Well #2 1246 - 8
   (well or stream diversion name/number)

(b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION: Address 5000 Kahala Avenue
   Tax Map Key 6-2-23:39
   (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 □ Basal □ Dike-confirmed □ Perched □ Caprock

6. METHOD OF TAKING WATER (check one): Artificial 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 6-2-23:39
   (b) Land Use District (check one): □ Rural □ Agriculture □ Conservation □ Other (explain)
   (c) County Zoning (describe): Farm

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

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 (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 (?)
   (b) Permanent or Interim Instream Flow Standards affected (?)
   (c) Hawaiian Home Land uses affected (?)
   (d) Other existing legal uses affected (?)
   (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 along with the Commission's approval.

Applicant (print)  Landowner (print) /Kamehameha Schools/Bishop Estate
Signature  Signature
Date  Date

For Official Use Only:
Date Received  Hydrologic Unit No.  Division Works No.  State Well No.
Date Approved  
Notice Dates:
Public □ Mayor □ BWS □ Mail List □ Bulletin □ Public Hearing
**Kahala Hilton**

- Address: 5000 Kahala Avenue, Honolulu, Hawaii 96816
- Date: April 9, 1993
- Check Number: 2168
- Amount: $50.00

To the order of:

**DEPARTMENT OF LAND & NATURAL RESOURCES COMMISSION ON WATER RESOURCES MANAGEMENT PO BOX 621 HONOLULU HI 96809**

Payable at:

**FIRST HAWAIIAN BANK Honolulu, Hawaii**

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Deposited 5/7/93
REGISTRATION OF WELL AND DECLARATION OF WATER USE

STATE WELL NO.: ____________________________
WELL NAME OR DESIGNATION: KAHALA MUKON WELI # 1.
ISLAND: OAHU

A. WELL OPERATOR
Firm name: KAHALA MUKON
Contact person: ANDREI DE RIESE
Address: 561 KALUNGA ST, # 165
HON. HI.
Zip: 96816 Phone: 734-2241

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

C. WELL LOCATION
Tax Map Key: 16 146 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 Shats, submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): 103 ft.
Reference point (used to measure depth to water): Elev. 435 0 ft.
Description: ____________________________

Depth to water (below reference point): 103 ft.
Maximum recorded chloride: EAS YWATER ppm
Minimum recorded chloride: ppm
Maximum 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: ___ gph gallons per minute
Pump installation contractor: LAYNE INTERNATIONAL, INC

(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): Pressure Drop Measure über
Amalgamators 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.):

WATER USE, IN GALLONS x 1000

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Minimum day's use: 28,800 gallons
Maximum day's use: 28,800 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
- 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 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 548-3945 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.

---

**STATE WELL NO:**

**WELL NAME OR DESIGNATION:** KAHAKA HILINDO

**ISLAND:** OAHU

**SOURCE OR STATION NAME (for a battery of wells):**

---

**A. WELL OPERATOR**

**Firm name:** KAHAKA HILINDO

**Contact person:** ANDRES DE KREEK

**Address:** 1561 KANUU ST., HONOLULU, HAW.

**Zip:** 96816  **Phone:** 734-2811

---

**B. OWNER OF WELL SITE**

**Firm name:**

**Contact person:**

**Address:**

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

---

**C. WELL LOCATION**

**Tax Map Key:** 16/16

**Town, Place, District:** KAHAKA

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):** 16 ft.

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

**Description:**

**Elevation:**

**Depth to water (below reference point):** 14 ft.

**Maximum recorded chloride:** 13 ppm

**Minimum recorded chloride:** 5 ppm

**Maximum chloride in 1987:** 34 ppm

**Year drilled or constructed:** 1981

**Well contractor:** WATSON WATER RESOURCES

**Casing diameter:** 10 in.

**Solid casing depth (below ground):** 75 ft.

**Perforated casing depth (below ground):** 75 ft.

**Total depth of well:** 105 ft.

---

**E. INSTALLED PUMP DATA**

**Pump type:** Vertical shaft

**Power:** Diesel, 1 HP

**Pump capacity:** 1,000 gallons per minute

**Pump installation contractor:**

---

**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 13-187 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 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>ANNUAL</td>
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</tr>
</tbody>
</table>

Minimum day's use: 2,850,000 gallons Maximum day's use: 4,500,000 gallons

Typical times of usage: Are Condition and crop

Type of Use (Check each box that applies and provide additional information as indicated):

- Municipal (including office, homes, 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 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.): __________________________
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
The Kahala Hilton  
Hilton Hawaiian Village  
Honolulu, Hawaii.

Attn. 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. More is remains. This is not artesian water but rather very. seashore 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,

Hat Milton

NM/rw

Bd/Health Test 5/1/63
MPN/100 cc Negative
St. Pblt Cant 24
Bar. Enterotic Test
Positive
(i. e. submitted)
Pump Test

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Rate (R.P.M.)</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>
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</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
Nat Whiton - Drilling Contractor & crew
Rough Sketch of
SALT WATER WELL
Drilled at
KAHALA HILTON HOTEL
by
NAT WHITTM
May - 1963
REGISTRATION OF WELL AND DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as NIA. 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 548-7543 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.: 1646-0566
WELL NAME OR DESIGNATION: KAHULOA HILION
ISLAND: OAHU

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

A. WELL OPERATOR
Firm name: KAHULOA HILION
Contact person: MADDIGAN PE KREEK
Address: 1561 KANUWATIE, #100
HONOLULU, HI.
Zip: 96816 Phone: 734-2211

B. OWNER OF WELL SITE
Firm name: ______________________
Address: ______________________

C. 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, 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: WATER RESOURCES
Casing diameter: ______ in.
Solid casing depth (below ground): ______ ft.
Perforated casing depth (below ground): ______ ft.
Total depth of well: ______ ft.
Minimum 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: 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' 37" Hydrologic Unit: ______________________
Longitude: 157° 47' 32" State Well No.: 1646-0566

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 create a legal right to water or its use.

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

Method of measurement:  □ Flow Meter  □ Orifice  □ Other (Describe):  □ 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>
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<tbody>
<tr>
<td>Municipal</td>
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<tr>
<td>Domestic</td>
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<tr>
<td>Irrigation</td>
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<tr>
<td>Industrial</td>
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<tr>
<td>Military</td>
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<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Minimum day's use: 2,880,000 gallons  Maximum day's use: 25,000,000 gallons  Typical times of usage: Air Conditioning and Ponds

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Additional Information</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Number of service connections:</td>
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<tr>
<td></td>
<td>Acres Irrigated:</td>
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<td>Crop(s):  □ Sugar  □ Pineapple  □ Other (specify):</td>
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<tr>
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<td>Non-Crop:  □ Landscape  □ Golf Course  □ Other (specify):</td>
</tr>
<tr>
<td></td>
<td>Method:  □ Drip  □ Furrow  □ Sprinkler  □ Cooling  □ Manufacturing  □ Mill  □ Other (specify):</td>
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<tr>
<td></td>
<td>Specify (livestock, aquaculture, etc.):</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

STATE WELL NO.: W6A4-045
WELL NAME OR DESIGNATION: KAHALA HILTON WEL # 1
ISLAND: OAHU

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

A. WELL OPERATOR
Firm name: KAHALA HILTON
Contact person: ANDREAN DE KREEK
Address: 1561 KAHALA AVE., # 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: 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 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): Elev., O.S. 0 ft. ft.
Description: 

Depth to water (below reference point): 102 ft.
Maximum recorded chloride: SALT WATER ppm
Minimum recorded chloride: ppm
Maximum chloride in 1987: ppm

E. INSTALLED PUMP DATA
Pump type: 
Power: Diesel, ___ HP Gas, ___ HP 
Electric, ___ HP 
Centrifugal 
Other (specify): 

Pump capacity: ___ gallons per minute
Pump installation contractor: LAYNE INTERNATIONAL INC

... (continued over)

Date received: 9/20/99 Date accepted:
Field checked by: _______ Date: _______
Latitude: 21° 16' 904349 Hydrologic Unit: 114-410-DK5
Longitude: 157° 16' 31.2852 State Well No.: W6A4-045

References: Hawaii Revised Statutes, Chapter 174C.
Hawaii Administrative Rules, Chapters 13-157 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 MEASURED 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):

WATER USE, IN GALLONS x 1000

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

Minimum day's use: 2,880,000 gallons  Maximum day's use: 2,880,000 gallons

Typical times of usage:

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.): _________________________
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-buit" 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

<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  ☐ __________ 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
   ☐ Open
   ☐ Other (specify) _______ 

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

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: [Landowner of Well Site]  Date: December 17, 1980

Signature: [WATKIN CORPORATION]  Date: December 17, 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
Kalanikukou 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).
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. OULI-NANSAY WELL 2 (WELL NO. 6146-01), OULI, 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
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

Condition 11.

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER:
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:
Location: Kahala Hilton #1 Well (Well No. 1646-05)
Year Drilled: 1967
Casing Diameter: 16 in.

Elevations (msl = 0 ft.)
Water Level: 10 ft.
Ground: 0 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:
Location: Kahala Hilton #2 Well (Well No. 1646-06)
Year Drilled: 1981
Casing Diameter: 16 in.

Elevations (msl = 0 ft.)
Water Level: 10 ft.
Ground: 0 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.

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>Objection/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.
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.
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, 01, 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]

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.

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,

Ho'ali'k L. Drake, Chair
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>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 WPAs that went to Pub N.  

8/8 & 8/13 8/21/93

and

8/12 & 8/19 9/2/93

copies for files.

1646-05-06
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, 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

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 #: 10410-05 Name: WELL # 1
LAT 21 17.32 LONG 157 46.32 WELL

1. Where does the water come from / what kind of source is this? Types of sources include:
   1) Wells (drilled, dug, tunnel)
   2) 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) Irrigation (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 VOL 140, 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? No. Who are the other users? __________________________

VERIFIED BY: RICHARD JINNAI DATE: 6/23/93
FIELD INSPECTION INFORMATION CHECKLIST  
(Ver 4/3/91)

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 - 06  Name: WILLY # 2

L1 21 11 13.2  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) 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 VAULT 238/460 AMP 150/43 10" CFM OUTLET ARE**
   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? _______  If yes, is their use included in this user's declaration? _______ Who are the other users? Did they file? __________________________

DATE: 6/23/93
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: John Doe
Phone: 587-2345

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

Signed: John Doe
Date: 9/19/93
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.

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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
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: _________________________ 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

Signed: ______________________________________ Date: 8/26/93

DOFAW HAS NO COMMENTS OR OBJECTIONS TO THE PROPOSED REQUEST.
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: 8/23/93

COMMISSION ON WATER RESOURCE MANAGEMENT
RECEIVED
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: 587-6885

( ) We have no comments
( ) We have no objections
(V) 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
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: Gordon Akita Phone: 59227

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

Signed: MANABU TAGOMORI Date: 08 AUG 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  

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.

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.
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.
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."

Waihale Ditch (Well No. 2853-01)
Applicant: Waihale Irrigation Co., Ltd.
P.O. Box 0
Wahiawa, HI 96787
Date Completed Application Received: July 22, 1993
Aquifer: Koolau Paka System, Windward Sector, Oahu
Well Source: Waihale Ditch, Well No. 2853-01, at Waihale, Koolau Paka, 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., Wahiawa at various Tax Map Keys

Uwau Development Tunnel (Well No. 2953-01)
Applicant: Waihale Irrigation Co., Ltd.
P.O. Box 0
Wahiawa, HI 96787
Date Completed Application Received: July 22, 1993
Aquifer: Koolau Paka System, Windward Sector, Oahu
Well Source: Uwau Development Tunnel, Well No. 2953-01, at Uwau, Koolau Paka, 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., Wahiawa at various Tax Map Keys

Walkane Development Tunnel #2 (Well No. 2953-02)
Applicant: Waihale Irrigation Co., Ltd.
P.O. Box 0
Wahiawa, HI 96787
Date Completed Application Received: July 22, 1993
Aquifer: Koolau Paka System, Windward Sector, Oahu
Well Source: Walkane Development Tunnel #2, Well No. 2953-02, at Walkane,
Koolau Paka, 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., Wahiawa at various Tax Map Keys

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE)
WAS SENT

** COUNT **

# 5

*** SEND ***

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<th>REMOTE STATION I.D.</th>
<th>START TIME</th>
<th>DURATION</th>
<th>#PAGES</th>
<th>COMMENT</th>
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</thead>
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<td>7-27-93 3:14PM</td>
<td>2'59&quot;</td>
<td>5</td>
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</tr>
</tbody>
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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

(more)
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

### PUBLIC NOTICE

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

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

---

### Table:

<table>
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<td>Applications for Water Use Permits, Ground Water Management Area</td>
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</table>

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**VENDOR NUMBER**: 117494

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

---

**AUTHORIZED SIGNATURE**: A. FURUUCHI

---

**STATE OF HAWAII**

**DEPARTMENT OF LAND AND NATURAL RESOURCES**

---

**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.

---

**BILLING ADDRESS**

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

---

**DELIVERY ADDRESS**

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

---

**Hawaii Newspaper Agency**
Honolulu Star Bulletin
P.O. Box 3350
Honolulu, HI 96801

---

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.
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
FROM: [Redacted]


DATE: 4/29

FILE IN: [Redacted]

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 for MAP. 5/18 received copy of well regist/declaration & topo map. 5/14 received call for (4) make folder.

10UP application for 2 existing usage (8/4)

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
APPLICATION FOR WATER USE PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96801. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-586-0255.

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

   (b) LANDOWNER
   Firm/Name: Bishop Estate
   Contact Person: ALANA NAVAS
   Address: P.O. BOX 2417

2. WATER MANAGEMENT AREA: WAIKIKI
   ISLAND: Oahu

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Kahala Hilton Well #1 1646-05
   (well or stream diversion name/number)

   (b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION: Address: 5000 Kahala Avenue
   Tax Map Key: 16/46 3-5-24
   (Attach a USGS map, scale 1"x2000", and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one): \Box Stream \Box Basin \Box Dike-continued \Box Perched \Box Caprock

6. METHOD OF TAKING WATER (check one): \Box Artesian Flow \Box Well & Pump \Box Diverted Surface Flow \Box 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 3-5-24
   (b) Land Use District (check one): \Box Urban \Box Agriculture \Box Conservation \Box Rural
   (c) County Zoning (describe): Tax Map K8 Key: 16/46

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

9. METHOD OF MEASUREMENT: \Box Flowmeter \Box Open-pipe \Box weir \Box Orifice \Box Other (explain) pump curve

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

11. PROPOSED USE: \Box Municipal (including hotels, stores, etc.) \Box Domestic (individual, noncommercial, etc.) \Box Irrigation
    \Box Industrial \Box Military

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) \Box (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 (7): 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:

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 and subject to water permit rules, changes in sustainability years and instream flow standards, reserved uses as defined by the Commission, and Hawaiian home lands future uses. In addition, applicants understand that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

Applicant (print): Paul E. Cathcart, Manager
Signature: __________________________
Date: __________

Landowner (print): Kamalae Schools/Bishop Estate
Signature: __________________________
Date: __________

For Official Use Only:
Date Received: __________________________
Date Accepted: __________________________
Hydrologic Unit No.: __________________________
Diversion Works No.: __________________________
State Well No.: __________________________

Notice Dated: __________________________
Mayor: __________________________
BWS: __________________________
Mail List: __________________________
Bulletin: __________________________
Public Hearing: __________________________
APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   KAHALA HILTON
   Contact Person: Robert Wagner/C.E.m.734-2211
   Address: 5000 Kahala Avenue
   Honolulu, Hawaii 96816

2. WATER MANAGEMENT AREA: ______ISLAND: Oahu

3. (b) PROPOSED (NEW) SOURCE NAME:

4. SOURCE LOCATION: Address: 5000 Kahala Avenue
   Tax Map Key: 1527E 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  □ Subterranean  □ 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: 1527E 2-5-23:39
   □ Land Use District (check one): Residential  □ Agriculture  □ Conservation  □ Rural  □ Industrial
   □ County Zoning (describe): Residential  □ Agriculture  □ Conservation  □ Rural  □ Industrial
   □ Perennial  □ Non-Perennial

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

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

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)  □ Non-Municipal

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

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
    (a) Impact on Sustainable yield (?): N/A
    (b) Permanant 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 water uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted and approved by the Commission before one.

Applicant (print): Kamehameha Schools/Bishop Estate
Signature: __________________________ Date: ________________
Landowner (print): Paul J. Smithart, Manager
Signature: __________________________ Date: ________________

For Official Use Only:
Date Received: ____________________ Hydrologic Unit No.: ____________________
Date Accepted: ____________________ Diversion Works No.: ____________________
Notice Date: ____________________ State Well No.: ____________________
Public: ____________________ Mayor: ____________________ BWS: ____________________
15. REMARKS, EXPLANATIONS (cont'd):
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KAHALA HILTON HOTEL

5000 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 375, Honolulu, Hawaii 96820. Phone 848-2048 or 848-7140 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.: KAHALA HILDON
ISLAND: OAHU

WELL NAME OR DESIGNATION: KAHALA HILDON WELL # 1.

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

A. WELL OPERATOR
Firm name: KAHALA HILDON
Contact person: ANDREI KEK
Address: 561 KUHONUHI, # 1651
Hon. HI.
Zip: 96816 Phone: 739-2211

B. OWNER OF WELL SITE
Firm name: KAHALA HILDON
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 Shats, submit construction drawings, plot plan, or sketch map.

Ground elevation (Mean sea level): 103 ft.
Reference point (used to measure depth to water): Elevation: 
Description: 

Depth to water (below reference point): 105 ft.
Maximum recorded chloride: EAS WATER ppm
Minimum recorded chloride: ppm
Maximum 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: 
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

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Minimum day's use: 28,000 gallons Maximum day's use: 28,000 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.): ___________________________
# 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 form for each well together with a single map or plot plan showing layout of wells.

## A. Well Operator

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tbody>
<tr>
<td>Firm name</td>
<td>KAHAKA K'ULON</td>
</tr>
<tr>
<td>Contact person</td>
<td>ANDREAS DE KREEK</td>
</tr>
<tr>
<td>Address</td>
<td>1561 KANAWA ST. #100</td>
</tr>
<tr>
<td>Zip</td>
<td>96816</td>
</tr>
<tr>
<td>Phone</td>
<td>734-2211</td>
</tr>
</tbody>
</table>

## B. Owner of Well Site

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

## C. Well Location

- Tax Map Key: 16/46 
- Town, Place, District: KAHAKA 
- 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): 10.00 ft. 
- Reference point (Used to measure depth to water): 
- Elevation: 10.00 ft. 
- Description: 
- Depth to water (below reference point): 8.00 ft. 
- Maximum recorded chloride: 26.3 ppm 
- Minimum recorded chloride: 7 ppm 
- Maximum chloride in 1987: 26.3 ppm 
- Year drilled or constructed: 1981 
- Casing diameter: 6 in. 
- Solid casing depth (below ground): 75 ft. 
- Perforated casing depth (below ground): 65 ft. 
- Total depth of well: 140 ft. 
- Power: Diesel, 15 HP 
- Pump type: Vertical shaft 
- Pump capacity: 9000 gallons per minute 
- Pump installation contractor: 

## E. Installed Pump Data

- Minimum recorded chloride in 1987: 7 ppm 

---

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

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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</table>

Minimum day's use: 2,880,000 gallons  Maximum day's use: 2,900,000 gallons

Typical times of usage:

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

- □ Municipal (including parks, hospitals, businesses)
- □ Domestic (systems serving 25 people or less)
- □ Irrigation
- □ Acres irrigated:
- □ Crop(s): Sugar, Pineapple
- □ Non-Crop: Landscape, Golf Course
- □ Method: Drip, Furrow, Sprinkler
- □ Industrial
- □ Cooling, Manufacturing, Mill
- □ Military
- □ Other (specify): □ Other (specify): \( \text{Specify (livestock, aquaculture, etc.):} \)

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
May 31, 1963

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 level has been run. Here it remains. This is not artesian water but rather very selenium 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]

May 31, 1963

The Kahala Hilton

12th Well

HD/rw

Hap, Hilton

Bd./health Test 5/21/63

MPN/10cc Negative

Dr. Phil Curr 24

Reser.: J. Joynt

(i.e. at amb.1)
Pump Test

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Rate (R.P.M.)</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' 4\frac{1}{2}&quot;</td>
<td>1\frac{1}{2}&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' 6\frac{1}{2}&quot;</td>
<td>3\frac{1}{2}&quot;</td>
<td>Temperature 73 degree</td>
</tr>
<tr>
<td>9:28</td>
<td>600</td>
<td>6' 6\frac{1}{2}&quot;</td>
<td>3\frac{1}{2}&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
Nat Whiton - Drilling Contractor & crew
Rough Sketch of Salt Water Well
Drilled at Kahala Hilton Hotel
by Nat Whitem
May - 1968

Temporary Cover

00 - ground surface
Approx. Bl. 4.0

- 12" casing

- cement

116 - end of casing

- open hole

136 - first water

150 - end of hole

Medium Rock

Hard Rock

Alternating Shale of Invariant

See Blowing No.
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 548-7543 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.: 16 46 - 056
WELL NAME OR DESIGNATION: KAHALOA
ISLAND: OAHU

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

A. WELL OPERATOR

Firm name: KAHALOA NUN
Contact person: ANDERSON DE KRAEK
Address: 1561 KANUOMA 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: 16/46 Town, Place, District: KAHALOA
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.
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: WATER RESOURCES
Casing diameter: _______ in.
Solid casing depth (below ground): _______ ft.
Perforated casing depth (below ground): _______ ft.
Total depth of well: _______ ft.
Minimum chloride in 1987: 50 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: ____________________

For Official Use Only:
Date received: 3/26/94 Date accepted: ____________________
Field checked by: ____________________ Date: ____________________
Latitude: 21° 16' 32" Hydrologic Unit:
Longitude: 157° 46' 32" State Well No.: 16 46 - 056
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 convey 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):

WATER USE, IN GALLONS x 1000

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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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<tr>
<td>Irrigation</td>
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<tr>
<td>Acres Irrigated:</td>
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<tr>
<td>Crop(s): Sugar</td>
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<tr>
<td>Pineapple</td>
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<tr>
<td>Other (specify):</td>
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<tr>
<td>Non-Crop: Landscape</td>
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<tr>
<td>Golf Course</td>
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<tr>
<td>Method: Drip</td>
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<tr>
<td>Furrow</td>
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<tr>
<td>Sprinkler</td>
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<tr>
<td>Industrial</td>
<td>Cooling</td>
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<tr>
<td>Manufacturing</td>
<td>Mill</td>
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<tr>
<td>Other (specify):</td>
<td>Agriculture</td>
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<tr>
<td>Specifying (livestock, aquaculture, etc.):</td>
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</tbody>
</table>

ANNUAL

Minimum day's use: 2,880,000 gallons Maximum day's use: 2,350,000 gallons
Typical times of usage: AIR CONDITIONING AND FLOOD

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

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 548-7543 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.: W6146-DAG
WELL NAME OR DESIGNATION: KAHALU TUSIP WELL #1.
ISLAND: OAHU

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

A. WELL OPERATOR

Firm name: KAHALU TUSIP
Contact person: ANDREJC DE KREEF
Address: 1661 KAHALU TUSIP #1691
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: 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 0 ft.
Description:

Depth to water (below reference point): 105 ft.
Maximum recorded chloride: 0 ppm
Minimum recorded chloride: 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:

LAIYNE INTERNATIONAL INC

For Official Use Only:

Date received: 3-10-86 Date accepted: __________
Field checked by: __________ Date: __________

Latitude: 21° 16' 31" Hydrologic Unit:
Longitude: 157° 16' 31" State Well No.: W6146-DAG

REFERENCES: Hawaii Revised Statutes, Chapter 174G.
Hawaii Administrative Rules, Chapters 13-157 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 MEASURED OVER AIR CONDITIONER Condenser.

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>
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</thead>
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<td>November</td>
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<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 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.): ______________________
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

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 ☐

REMARKS

________________________________________

COPY TO ____________________________

SIGNED ____________________________

If enclosures are not as noted, kindly notify us.
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES

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

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.

*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

For Official Use:
State Well No. __________
DLNR Permit No. __________
DLNR Application No. __________