ITEM 10
STATE DIVISION OF WATER AND LAND DEVELOPMENT, APPLICATION FOR A WELL CONSTRUCTION PERMIT, KAWAIHAPAI EXPLORATORY WELL (WELL NO. 3309-01), MOKULEIA, OAHU

Mr. Sakoda added the following to Condition 2:
"A pump test will be conducted in accordance with the protocol established by the Commission."

Unanimously approved as amended (Cox/Nakata).

AGENDA 2
ITEM 1
CONTINUANCE OF DESIGNATION PROCESS, PROPOSED PUNALUU AHUPUAA SURFACE WATER MANAGEMENT AREA

Mr. Ing was excused from voting on the agenda item.

The following supported the continuance of the designation process:
1) Mr. Bo-Kjaer Olsen, International Aqua Farms
2) Ms. Toni Bissen, NHAC
3) Mr. David Miconzyk, Punaluu Community Association

Unanimously approved (Fujimura/Nakata).

ITEM 2
KUNIA RESIDENTIAL PARTNERS APPLICATION FOR STREAM CHANNEL ALTERATION PERMIT, WAKELE STREAM, WAIPAHU, OAHU

Mr. Higa corrected the construction time in paragraph 3 in the Description from "three weeks" to "three months".

Unanimously approved as corrected (Fujimura/Nakata).

ITEM 3
DIVISION OF WATER & LAND DEVELOPMENT, DEPARTMENT OF LAND AND NATURAL RESOURCES, STREAM CHANNEL ALTERATION PERMIT, INSTALLATION OF A WATER LEVEL SENSOR SYSTEM AT WAIMEA RIVER, WAIMEA, KAUAI

Unanimously approved (Fujimura/Cox).

ITEM 4
CITY & COUNTY OF HONOLULU DEPARTMENT OF WASTEWATER MANAGEMENT, APPLICATION FOR A WATER USE PERMIT, KAILUA WWTP-PC DEWATERING PIT (WELL NO. 2545-01), WAIMANALO GROUND WATER MANAGEMENT AREA, OAHU

Unanimously approved (Cox/Nakata).

ITEM 5
GARY E. WILSON, APPLICATION FOR A WATER USE PERMIT, WILSON WELL (WELL NO. 3902-01), KAWAILOA GROUND WATER MANAGEMENT AREA, OAHU

Mr. Benjamin Hopkins faxed testimony for himself and Messrs. Bill Howes, Robert Leinau, and Larry McElheny, other adjoining property owners urging
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

City & County of Honolulu
Dept. of Wastewater Management
Application for a Water Use Permit
Kailua WWTP-PC Dewatering Pit (Well No. 2545-01)
Waimanalo Ground Water Management Area, Oahu

Applicant: Landowner:
City & County
Dept. of Wastewater Management
Same
650 South King Street
Honolulu, HI 96813

Background

The applicant submitted a completed water use permit application to the Commission on November 30, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

This existing caprock source was constructed in 1988 and used as a dewatering sump during construction of new primary clarifiers for the Kailua Wastewater Treatment Plant. The construction is now complete, and the pit has been retained for future industrial use of the brackish water at the plant site. The applicant proposes to pump the water at an average rate of 25,000 gallons per day into an existing abandoned tank from where it will be rerouted to various use locations as needed. Proposed industrial uses include plant washdown, fire protection, cooling, testing and exercising pumping equipment, and protection and maintenance of unused open tanks and sludge lines.

Although existing permits for the Waimanalo Aquifer System total 14.719 mgd, 14.112 mgd is for salt-water wells. Salt-water withdrawals do not reduce the stored recharge in the aquifer. Based on reported monthly water use, the 12-month moving average withdrawal from the system is 0.635 mgd. This is slightly less than the estimate provided in the Oahu Water Management Plan, which reported an existing use of 0.9 mgd as of 1990. Because of the potential for interactions between ground and surface waters, this estimate of 1990 water use has also been suggested as the "developable yield" of the aquifer. The sustainable yield of the system was previously estimated to be 8 mgd. The only other pending permit application has been filed by the Board of Water Supply for municipal use of 0.9 mgd from the Waimanalo Tunnel sources.

There are no other wells in the vicinity of the subject source that may be affected by the proposed water use. Although the well is located near wetlands and Nuupia Pond, the proposed rate of withdrawal should not result in any measurable impacts to these systems. No objections have been filed for this permit application.
RECOMMENDATION

Staff recommends:

That the Commission approve the issuance of an interim water use permit to the City & County Department of Wastewater Management for the reasonable and beneficial use of 25,000 gallons per day of brackish water from the Kailua WWTP-PC Dewatering Pit (Well No. 2545-01) for industrial use at the plant site, subject to the standard water use permit conditions listed in Attachment B and the following special condition:

1. The applicant must submit an application for a pump installation permit, which shall be administratively approved by the Chairperson prior to installing a pump in the well.

2. Well elevation components must be surveyed by a licensed surveyor and this information must be submitted to the Commission prior to issuance of a permanent water use permit for this source.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

**AQUIFER:**
- **Waimanalo System, North Sector, Oahu**
- **Sustainable Yield:** 8 mgd
- **Existing Water Use Permits:** 0.607 mgd*
- **Available Allocation:** 7.393 mgd
- **Total of other pending allocations:** 0.900 mgd

* Does not include salt-water sources.

**WELL:**
- **Kailua WWTP-PC Dewatering Pit (Well No. 2545-01)**
- **Kailua Wastewater Treatment Plant, TMK:4-4-11:81**
- **Year Drilled:** 1988
- **Casing Diameter:** NA in.
- **Elevations (msl = 0 ft.)**
  - **Water Level:** 0.5 ft.
  - **Ground:** 12 ft.
  - **Bottom of Solid Casing:** NA ft.
  - **Bottom of Perforated:** -16 ft.
  - **Bottom of Open Hole:** NA ft.
- **Total Depth:** 30 ft.
- **Grouted Annulus Depth:** NA ft.
- **Pump Capacity:** NA gpm

Use Information

- **Quantity Requested:** 25,000 gallons per day.
- **Proposed Type of Water Use:** Industrial
- **Place of Water Use:** Kailua Wastewater Treatment Plant, Oahu, TMK: 4-4-11:81

- **Reported Water Usage:** NA gpd
- **Nearby Similar Water Usage:** NA gpd

ATTACHMENT A
Chairperson and Members
Commission on Water Resource Management

March 16, 1994

Waimanalo Aquifer System
Current 12-Month Moving Average Withdrawal:

0.635* mgd
(8% of SY)

* Does not include withdrawals by salt-water wells.

Nearby Surrounding Wells and Other Registered Ground Water Use

There are these no other wells within a mile of the well (see Exhibit 1). Information from the registration program indicates there are possibly twenty-six (26) existing wells in the Waimanalo Aquifer System. Several of these wells have been initially field checked but many of the declarants have not been completely field verified. Several are not in use or are rights claims. The 1992 Draft of the Oahu Water Management Plan estimated that the existing withdrawals from the Waimanalo Aquifer System is 0.9 mgd as of 1990.

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on January 21, 1994 and January 28, 1994 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 February 11, 1994.

Objections

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 February 11, 1994. No objections were filed with the Commission.

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 proposed use site was investigated on March 11, 1994. The investigation(s) verified the applicant’s request for a 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 and 174C-101(a), HRS.

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

5. The ground water use approved must not interfere with interim or permanent instream flow standards or policies as determined by the Commission. 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 March 16, 1994 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

ATTACHMENT B
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.

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 does not presently exist, 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 yearly 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 Waimanalo
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 comply with all applicable laws, rules, ordinances, and other
agencies’ permits and conditions pertaining to water use or the water resource.

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 Waimanalo Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, pursuant to 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.

19. The water use permit shall be subject to the Commission’s establishment of instream
standards and policies to Stream Protection and Management (SPAM), as well as
legislative mandates to protect stream resources.

ATTACHMENT B
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
HONOLULU, HAWAII 96809

FIELD MEMORANDUM

FILE REF.: None
DATE: March 11, 1994
PRESENT: Rodgers Naipo, Maint. Supr, Dept of Waste Water Mgmt., C & C of Honolulu
Susan Swanson, DLNR, CWRM
LOCATION: TMK: 4-4-11:81 95 Kaneohe Bay Dr., Kailua, Oahu
NOTE: This well was constructed as a dewatering pit for use during construction of the Kailua Waste Water Treatment Plant.

FIELD NOTES:
I met Rodgers Naipo at the Administration Building, at the Kailua Waste Water Treatment Plant, Phase I & II construction site.

We walked to the dug well. Evidently originally a pit was dug to -16'. A approx. 16.5' long, 36' diameter perforated pipe was installed in the bottom of the pit. Then a 13' long 42' ductile iron pipe casing was installed on the top of the perforated pipe. (Total depth of well is approx. 29'.) The pit area around the dug well was filled in with a porous material (crushed gravel) and "selected backfill". The perforated pipe collects water which was designed to be removed (by pump) to "dewater" the adjoining construction excavations. There are a number of dewatering wells on the site. They have finished the construction of building near this well, so it is no longer used for dewatering. Ordinarily there are abandonment procedures for backfilling dewatering wells; however, the Dept. of Wastewater Management decided to request use of the water that had been previously thrown away to a settling pond. At this point, the well become under the Commission on Water Use Management's jurisdiction.

Mr. Naipo showed me the pumps in the basement of a building adjacent to the well that are currently lubricated with potable water. Evidently there are ceramic seals inside the pump that prevent leakage of sewage from the pump. Improperly maintained seals become a job safety hazard. Mr. Naipo stated that toxic hydrogen sulfide gas in the basement work area can be the result of seal leakage.

I observed a concrete cover next to the well with a 4" diameter hole in the center. The exterior diameter was approx. 50" with a 48" interior diameter ductile iron casing. The depth to water level was 12'6". Above the water level, the 48" casing reduced to a smaller diameter, probably 36". The smaller casing was perforated CMP, which is similar to perforated cesspool lining. The City & County Department of Wastewater Management had been using this well for dewatering during the construction of nearby buildings, calling the well the "Primary Clarifier Dewatering Well.

Dated September 14, 1993, there is a memo to Rodgers Naipo from Charles Oakley of ES-2/Parsons Hawaii. This memo described a pump test conducted using a 700 gpm pump. Samples were taken, describing the samples as "clear". The memo describes "field testing with a Total Dissolved Solids meter. The memo states that the samples ranged from 16.02 grams/liter to 17.56 grams/liter. Usually, clear water is described in milligrams per liter. The memo does not give any chloride test results, although it concludes that the water is "brackish."
PART I: USE OF WATER

GWMZ Applicant: C & C of Honolulu, Dept. of Wastewater Management

Amount of Water Requested per day in GWMZ permit application: 25,000 gallons.

Water Use Decl. File Ref.: None, well was originally designed to remove water from the excavations for buildings under construction. That type of well is under another State agency's jurisdiction.

State Well #: 2545-01 Name: Wastewater Treatment Plant Well

1. Tax Map Key where the water is used: TMK: 4-4-11:81, however, no current use.
   Does the applicant own this land? Yes, the City & County of Honolulu owns the land.

2. What is the water used for? no current use - the applicant would like to replace the use of potable water for general washdown water and to lubricate ceramic seals inside the self-contained sewer pumps. This would reduce the amount of potable water the wastewater treatment plant is currently using.

3. Is the quantity of water use being measured? No, because the previous use as a "dewatering sump" (regulated by DOH), water use wasn't measured.

4. Does this person take from a multi-user pipe or ditch system? No.

PART II: WATER SOURCE

1. Where does the water come from/what kind of source is this? Dug well, the top 11.5' are lined with 48" diameter ductile iron pipe with smaller diameter perforated pipe. (See diagram.) The depth to water was 12.5'.

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? The applicant would like to obtain permission to use the well, so that they can apply for County funds to build a pump house and design the most appropriate pumping system.
   What is the capacity for taking (gpm)? no pump has been installed yet.
   How often is it taken (used)? no current use

3. Tax Map Key at the source: TMK: 4-4-11:81
   Determine applicant's relation to source.
   Does the applicant:
   1) Operate and maintain the source? Yes
   2) Own the land at the source? Yes
   3) Use the water from this source? Future use.
   4) Own the land where the water is being used? No current use.

4. Does any one else also use water from this source? NO

Verified By: Susan Swanson Date of Inspection: March 11, 1994
Honorable Keith Ahue, Chairperson
Board of Land and Natural Resources
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Water Use Permit Applications for Kailua Wastewater Treatment Plant Well No. 2545-01, and Makakilo Golf Course Well No. 2104-02

The comments of the Board of Water Supply (BWS) on the subject applications are attached.

We have reviewed the subject applications and have the following comments to offer:

- We have no objections to Kailua Wastewater Treatment Plant Well No. 2545-01.

- Section 24-1.15.(b)(3)(E) of the City's Development Plans Common Provisions states that non-potable water sources should be used for the irrigation of golf courses. The use of potable water from Well 2104-02 for the irrigation of Makakilo Golf Course and the possible degradation of this groundwater source cannot be endorsed by our department.

Should you have any questions, please call Eugene Takahashi of our staff at [redacted]

Sincerely,

ROBIN FOSTER
Chief Planning Officer

RF: lh

Attachment
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 January 19, 1994 Regarding Department of Wastewater Management Water Use Permit Application for Well No. 2545-01

Thank you for the opportunity to comment on this water use permit application. We have no objection to the use of caprock water from this location and return the cover memo form marked accordingly.

Very truly yours,

KAZU HAYASHIDA  
Manager and Chief Engineer

Attachment
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 Application
Waimanalo Ground Water Management Area, Oahu

Transmitted for your review and comment is a copy of a water use permit application for the Dept. of Wastewater Management for Well No. 2545-01. Public notice of this application will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at

Response: Contact person: Herbert H. Minakami Phone: [redacted]

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

Signed: [Signature]
Kazu Hayashida
Manager and Chief Engineer

Date: 01/29/94
February 7, 1994

TO: ROBIN FOSTER, CHIEF PLANNING OFFICER
    PLANNING DEPARTMENT

FROM: KAZU HAYASHIDA, MANAGER AND CHIEF ENGINEER
    BOARD OF WATER SUPPLY

SUBJECT: WATER COMMISSION'S LETTER TO MAYOR FASI DATED JANUARY 19, 1994 REGARDING DEPARTMENT OF WASTEWATER MANAGEMENT WATER USE PERMIT APPLICATION FOR WELL NO. 2545-01

Thank you for the opportunity to comment on this water use permit application. We have no objection to the use of caprock water from this location.
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 Application
   Waimanalo Ground Water Management Area, Oahu

Transmitted for your review and comment is a copy of a water use permit application for the Dept. of Wastewater Management for Well No. 2545-01. Public notice of this application will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at

Response: Contact person: Darrell Yagodich
Planning Office

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

Signed: [Signature]
Date: 2/8/94
APPLICATION FOR WATER USE PERMIT

PERMITTEE INFORMATION
1. (a) APPLICANT: City & County of Honolulu
   Firm/Name:   E. Ishida
   Contact Person:   E. Ishida
   Address:   650 WAIKIKI BEACH DRIVE
   Honolulu, HI 96815

2. WATER MANAGEMENT AREA: Waimea

3. (a) EXISTING WELL/DIVERSION NAME AND STATE NUMBER:

4. (b) PROPOSED (NEW) WELL/DIVERSION NAME: Kailua WTP - PC Dewatering Pit 274A-9

5. (c) LOCATION: Address: 75 Kaneohe Bay Drive

6. (d) TAx Map Key: 3-9-11-11

7. ATTACH A DEMISE map, scale 1:1000, and a property tax map showing source location referenced to established property boundaries.

SOURCE INFORMATION

USE INFORMATION
6. LOCATION OF PROPOSED WATER USE: (if possible, show on same map as source location. Otherwise, attach similar map)
   (a) Proposed use of water to:

   (b) Tax Map Key: 3-9-11-11

   (c) Address: 75 Kaneohe Bay Drive

7. QUANTITY OF WATER REQUESTED: 25,000 estimated gallons per day

8. QUALITY OF WATER REQUESTED: Urban

9. METHOD OF MEASUREMENT:
   (a) Flowmeter
   (b) Open-pipe
   (c) Weir
   (d) Flowmeter 

10. QUALITY OF WATER REQUESTED: Non-Potable

11. USE INFORMATION

12. PROPOSED USE:
   (a) Municipal (including hotels, stables, etc.)
   (b) Individual Domestic
   (c) Industrial See #16
   (d) Irrigation
   (e) Other (explain)

13. TOTAL NUMBER OF RESIDENCES TO BE SERVED:

14. TOTAL ACRES TO BE IRRIGATED AND TYPE OF CROP:

15. REMARKS, EXPLANATIONS:

TOTAL 0:04:41" 4 XEROX TELECOPIER 7020

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

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Sent to CKE Manning Office per request by Eugene Takahashi.
Table 1. Multiple TmKs to Use Requested Water

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Transmission Report

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*** Send ***

Xerox Telexcopier 7020
January 11, 1994

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

Attention: Ms. Lenora Nakama

Gentlemen:

Subject: Application for Water Use Permit at Kailua Wastewater Treatment Plant
Our Letter Dated November 22, 1993

We furnish you additional information as verbally requested on January 7, 1994.

The well permit requested is for retention of a construction dewatering pit as an industrial water source.

The City awarded a contract to PPC-Tokyu Joint Venture on December 31, 1987 for the construction of the Kailua Wastewater Treatment Plant Modifications, Phase 1. The project included the construction of new primary clarifiers which required excavation to a level approximately 10 feet below sea level. Placing the foundation cushion and clarifier tank floor required the dewatering of the excavated pit by the contractor. The dewatering was performed by placing pumps in the excavated area and protecting the pumps with a perforated metal pipe. The water removed from the pit was pumped into a large settling pond prior to its release into the plant drainage system. The construction is now complete. The dewatering sump is usually backfilled upon completion of construction but has been retained since there was a possibility for use of the brackish water for in-plant industrial use.

The alternative use of the brackish water would be to use treated effluent or valuable potable water.

Please call Mr. Hiromi Okuda at _______ if you require more information for the permit.

Very truly yours,

KENNETH M. RAPPOLT
Director

FRANK F. FASI
Mayor

KENNETH M. RAPPOLT
DIRECTOR
FELIX B. LIMTIACO
DEPUTY DIRECTOR
Transmitted for your review and comment is a copy of a water use permit application for the Dept. of Wastewater Management for Well No. 2545-01. Public notice of this application will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at [contact information redacted].

Attachments

Response: Contact person: [name redacted] Phone: [number redacted]

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

Signed: [signature redacted] Date: 01/20/94
Memorandum

To: Aquatic Resources
   Forestry and Wildlife/Natural Area Reserve System
   Historic Preservation
   Land Management
   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 Application
          Waimanalo Ground Water Management Area, Oahu

Transmitted for your review and comment is a copy of a water use permit application for the Dept. of Wastewater Management for Well No. 2545-01. Public notice of this application will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at [Contact Information]

Response:
- Contact person: __________________      Phone: __________

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

Signed: [Signature]       Date: 1/24/94
MEMORANDUM

TO: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Application
Waimanalo Ground Water Management Area, Oahu

Transmitted for your review and comment is a copy of a water use permit application for the Dept. of Wastewater Management for Well No. 2545-01. Public notice of this application will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at [Contact information redacted].

Response:

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

Signed: [Signature]
Date: 1/21/94
Mr. R. Ishida  
Dept. of Wastewater Management  
650 S. King Street  
Honolulu, HI 96813

Dear Mr. Ishida:

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

We acknowledge receipt, on November 30, 1993, of your completed water use permit application for the Kailua WWTP - PC Dewatering Pit (Well No. 2545-01). 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 will need to schedule a visit to verify your proposed water source and use sites.

Our files do not include any record of your well, and as such, we request that you submit additional well construction information (as-built section, well completion report, etc.). Also, should the Commission approve a water use permit for your well, a pump installation permit will also be required. We have enclosed this application form for your convenience.

If you have any questions, please contact Lenore Nakama at [redacted]

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

LN:ky  
Enclosure
Mr. R. Ishida  
Dept. of Wastewater Management  
650 S. King Street  
Honolulu, HI 96813

Dear Mr. Ishida:

Enclosed is a copy of the public notice for your water use permit application for Well No. 2545-01 which will be published in the Honolulu Star Bulletin issues of January 21, 1994 and January 28, 1994.

Please be aware that there may be objections to your application. 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 application 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 Lenore Nakama at [Redacted]  

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

LN:ky  
Encl.
PUBLIC NOTICE

Applications for Water Use Permit
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."

Makakilo Golf Course (Well No. 2104-02)
Applicant: John Moon
900 Fort St. Mall, Ste. 1300
Honolulu, HI 96813
Date Completed Application Received: January 7, 1994
Aquifer: Ewa-Kunia System, Pearl Harbor Sector, Oahu
Well Source: Makakilo Golf Course Well, Well No. 2104-02, at Honolulu, Ewa, Oahu, at Tax Map Key: 9-2-3:74
Quantity Requested: 700,000 gallons per day.
New Water Use: Irrigation of 150 acres of golf course turf
Place of Water Use: Makakilo Golf Course at Tax Map Key: 9-2-3:74

Kailua WWTP-PC Dewatering Pit (Well No. 2545-01)
Applicant: Dept. of Wastewater Management
650 S. King Street
Honolulu, HI 96813
Date Completed Application Received: November 30, 1993
Aquifer: Waimanalo System, Windward Sector, Oahu
Well Source: Kailua WWTP-PC Dewatering Pit, Well No. 2545-01, at 95 Kaneohe Bay Drive, Oahu at Tax Map Key: 4-4-11:81
Quantity Requested: 25,000 gallons per day.
New Water Use: Industrial
Place of Water Use: 95 Kaneohe Bay Drive at Tax Map Key: 4-4-11:81

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 (provide TMK information); (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. Written objections must be received by February 11, 1994. Objections must be sent 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: JAN 18 1994

JAN 19 1994

MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife/Natural Area Reserve System
    Historic Preservation
    Land Management
    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 Application
          Waimanalo Ground Water Management Area, Oahu

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We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at [phone number]

LN:ky
Attachments

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 Application
Waimanalo Ground Water Management Area, Oahu

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We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at

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 an Application for a Water Use Permit
Waimanalo Ground Water Management Area, Oahu

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit application for the Dept. of Wastewater Management for Well No. 2545-01, 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 a copy of the application for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.

Very truly yours,

KEITH W. AHUE

Enc.
MEMORANDUM

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

FROM: Rae M. Loui, Deputy Director

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We would appreciate your review of the attached application and please return this cover memo form by February 11, 1994.

If you have any questions regarding this application, please contact Lenore Nakama at LN:ky

Response:

Contact person: Steve Tagawa
Phone: 947-7755

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

Signed: Date: 1/21/94

The proposed development is not located within the conservation district.
November 22, 1993

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

Gentlemen:

Subject: Application for Water Use Permit at Kailua Wastewater Treatment Plant

We ask your approval of a permit to use ground water at the City's Kailua Wastewater Treatment Plant. We attach the following:

1. Application for Water Use Permit.
2. Tax Map 4-4-11 showing the plant site.
3. Portion of US GS map (Mokapu Quad) showing the well site.
4. Map of the Kailua WWTP showing the well site.
5. Cross section of the well.
6. Memo from Charles Oakley of ES-2/Parsons Hawaii to Rodgers Naipo of Kailua Wastewater Treatment Plant dated September 14, 1993 indicating the observed TDS of 16 to 17 G/L.

Please call Mr. Hiromi Okuda at [redacted] if additional information is required for this permit.

Very truly yours,

KENNETH M. RAPPOLT
Director

Attachments
MEMORANDUM

September 14, 1993

TO: Rogers Naipo, Kailua Wastewater Plant Maintenance Superintendent

FROM: Charles Oakley
ES-2/Parsons Hawaii

SUBJECT: Water Samples-well

Step two in determining if the on site well water is suitable for non-potable in plant use was conducted. The following information is offered:

A portable pump was set up with intake piping lowered 20 feet into the well casing. The pump discharged to a wash bay drain that returns to the plant headworks.

The approximate pumping rate is 700 gallons per minute.

Pumping began about 9:05 am.

The intake was lowered twice--after sample no. 1 and sample no. 4.

Visual observation of the well indicated the water was clear. This was confirmed by the clarity of the samples taken at the discharge. At the conclusion of pumping the water level returned to its original level in less than two minutes.

Field testing was done with a meter set at Total Dissolved Solids (TDS) grams per liter (G/L).

<table>
<thead>
<tr>
<th>Sample</th>
<th>Time</th>
<th>TDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>9:15</td>
<td>16.85</td>
</tr>
<tr>
<td>2.</td>
<td>9:25</td>
<td>17.56</td>
</tr>
<tr>
<td>3.</td>
<td>9:35</td>
<td>17.32</td>
</tr>
<tr>
<td>4.</td>
<td>9:50</td>
<td>16.70</td>
</tr>
<tr>
<td>5.</td>
<td>10:05</td>
<td>16.44</td>
</tr>
<tr>
<td>6.</td>
<td>10:20</td>
<td>16.02</td>
</tr>
</tbody>
</table>

Because these results were consistent with previous observations, field and laboratory analyses, no further sampling or analyses were performed.

Conclusions:

The water is brackish.

Suitability for in plant use is questionable.
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

PERMITTEE INFORMATION

1. (a) APPLICANT
   City & County of Honolulu
   Dept. of Wastewater Management
   Contact Person: R. Ishida
   Address: 630 South King Street
   Honolulu, Hawaii 96813

2. SOURCE INFORMATION
   SOURCE MANAGEMENT AREA: Waimanalo
   ISLAND: Oahu

3. (a) EXISTING WELL/DIVERSION NAME AND STATE NUMBER:

   (b) PROPOSED (NEW) WELL/DIVERSION NAME: Kailua WWTP - PC Dewatering Pit 2545-01

   (c) LOCATION: Address: 95 Kaneohe Bay Drive
       Tax Map Key: 4-4-11:81
       (Attach a USGS map, scale 1:"000", and a property tax map showing source location referenced to established property boundaries.)

4. SOURCE TYPE (check one):
   □ Stream
   □ Estuary
   □ Dike-confined
   □ Perched
   □ Capsrake

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

USE INFORMATION

6. LOCATION OF PROPOSED WATER USE: (if possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Proposed use of water is: □ Existing □ New □ Both existing & new uses
   (b) Tax Map Key: 4-4-11:81
   (c) Location of use is over multiple TMKs, please complete Table 1 on back of application
   (d) Address: 95 Kaneohe Bay Drive
   (e) Current Land Use District (check one): □ Urban □ Agriculture □ Conservation □ Rural
   (e) Current County Zoning Code:

7. QUANTITY OF WATER REQUESTED: 25,000 estimated gallons per day
   (Max rate 140,000 gpd)

8. METHOD OF MEASUREMENT:
   □ Flowmeter □ Open-pipe □ Weir □ Office □ Other (explain)

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

10. PROPOSED USE:
    □ Municipal (including hotels, stores, etc.)
    □ Individual Domestic
    □ Irrigation
    □ Industrial See #16
    □ Military
    □ Other (explain)

   For questions 12 & 13: If multiple TMKs are involved, please complete Table 1 on back of application.

11. TOTAL NUMBER OF RESIDENCES TO BE SERVED: Not Applicable

12. TOTAL ACRES TO BE IRRIGATED AND TYPE OF CROP:
    (acres) (crop)
    Not Applicable

13. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION:
    Intermittent during 24 hours
    (daytime hours of operation, ex. 7 a.m. to 2 p.m.)

14. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON WATER USE:
    (a) Impact on Sustainable Yield?
    (b) Instream Flow Standards affected?
    (c) Hawaiian Home Lands use affected?
    (d) Other existing legal uses affected?
    (e) Other (pending permits, EIS, etc.)?

15. REMARKS, EXPLANATIONS:
    See back side

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resources 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 future uses. In addition, applicant understands that, if permit approved, a water shortage plan must be submitted to the Commission upon request.

Applicant (print): Kenneth M. Rappolt, Director
Dept. of Wastewater Management

Signature: __________________________
Date: 1/24/93

Landowner (print): Kenneth M. Rappolt, Director
Dept. of Wastewater Management

Signature: __________________________
Date: 1/24/93

For Official Use Only:
Date Received: __________________
Date Accepted: __________________
Hydrologic Unit No.: _____________
Diversion Works No.: 1545-01
State Well No.: __________________
4/13/93 WUPA Form
Well was a construction dewatering pit previously used for dewatering the excavation during the construction of the primary clarifiers. The water will be used for plant washdown, fill unused open tanks to protect the concrete, testing and exercising pumping equipment, keeping unused sludge lines filled to prevent hardening of sludge in the pipeline, fire protection, cooling, etc.

The water will be pumped into existing abandoned tank to be rerouted to location where needed, when needed.

The water, was found to be very salty during the earlier dewatering operation and is not suitable for irrigation purposes.

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>TMK</th>
<th>CURRENT COUNTY ZONING CODE</th>
<th>NET ACRES</th>
<th>GPD/acre</th>
<th>TOTAL GPD</th>
<th>% OF TOTAL TO BE USED OVER NEXT 4 YEARS</th>
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</table>
Kailua Wastewater Treatment Plant dewatering pit, State Well # 2545-01. This well has been added to the State Well Registry.

Although there is a HON WASTEWATER File Ref., no Water Use Declaration was filed for this well since it was constructed for temporary construction purposes. A copy of this report will be included in the HON WASTEWATER file with the notation that there is a GWMZ permit application for Well 2545-01.

March 11, 1994

This well was constructed as a dewatering pit for use during construction of the Kailua Waste Water Treatment Plant and as such came under the State Department of Health's jurisdiction.

I met Rodgers Naipo at the Administration Building, at the Kailua Waste Water Treatment Plant, Phase I & II construction site. We walked to the dug well where I conducted a brief site inspection. (See attached sketch.) Removed for the inspection and placed to the side of the well, was a concrete well cover with a 4-6” diameter hole in the center. The top of the well casing is approximately + 13.5’ above mean sea level. Originally a pit was dug to -16’ below mean sea level. Then an approximate 16.5’ long, 36” diameter perforated pipe was installed in the bottom of the pit. Then a 13’ long, 42” ductile iron pipe casing was installed on the top of the perforated pipe. The top inside diameter of the casing was 48”. (Total depth of well is approx. 29’5”.) The pit area around the dug well was filled in with a porous material (crushed gravel) and "selected backfill".

The perforated pipe collects water which was designed to be removed (by pump) to "dewater" the adjoining construction excavations. There are a number of dewatering wells on the site. They have finished the construction of building near this well, so it is no longer used for dewatering. Mr. Naipo said that ordinarily they remove the pipe and backfill the hole after the well is no longer needed for dewatering; however, the Dept. of Wastewater Management would like to replace some of their use of potable water with water from this well. They are requesting use of the water that they previously were throwing away. Permission for permanent use of the well becomes a Water Commission matter.

At the top of the dug well, is a ductile iron well casing with an exterior diameter of 50” with a 48” interior diameter. The attached sketch lists a 42” ductile iron pipe but I measured the inside diameter at the top of the casing at 48”. Water was visible below; the depth to water level was 12’6” below the top of the casing. From the top of the well, the 48” diameter casing reduces to a smaller diameter, probably 36”. The smaller casing was perforated CMP, which is similar to perforated cesspool lining. The City & County Department of Wastewater Management had been using this well for dewatering during the construction of nearby buildings, calling the well the "Primary Clarifier Dewatering Well.

Mr. Naipo showed me the pumps in the basement of a building adjacent to the well that are currently lubricated with potable water. Evidently there are ceramic seals inside the pump that prevent leakage of sewage from the pump. Improperly maintained seals become a job safety hazard. Mr. Naipo stated that toxic hydrogen sulfide gas in the basement work area can be the result of seal leakage. In the GWMZ permit application file for well 2545-01, dated September 14, 1993, is a memo to Rodgers Naipo from Charles Oakley of ES-2/Parsons Hawaii. This memo described a pump test conducted using a 700 gpm pump. Samples were taken, using a Total Dissolved Solids meter and the samples were described as "clear". The memo states that the samples ranged from 16.02 grams/liter to 17.56 grams/liter (clear is usually described in milligrams per liter). The memo does not give any chloride test results, although it concludes that the water is "brackish".
GROUND WATER MANAGEMENT ZONE PERMIT APPLICATIONS
FIELD INSPECTION INFORMATION CHECKLIST

PART I: USE OF WATER

GWMZ Applicant: C & C of Honolulu, Dept. of Wastewater Management

Amount of Water Requested per day in GWMZ permit application: 25,000 gallons.

Water Use Decl. File Ref.: Although there is a NON WASTEWATER File Ref., no Water Use Declaration filed for this well, because it was originally designed to remove water from the excavations for buildings under construction. Dewatering wells are under another State agency's jurisdiction.

State Well # 2545-01 Name: Wastewater Treatment Plant Well

1. Tax Map Key where the water is used: TMK: 4-4-11:81, however, no current use. Does the applicant own this land? Yes, the City & County of Honolulu owns the land.

2. What is the water used for? no current use - the applicant would like to replace the use of potable water for general washdown water and to lubricate ceramic seals inside the self-contained sewer pumps. This would reduce the amount of potable water the wastewater treatment plant is currently using.

3. Is the quantity of water use being measured? No, because the previous use as a "dewatering sump" (regulated by DOH), water use wasn't measured.

4. Does this person take from a multi-user pipe or ditch system? No.

PART II: WATER SOURCE

1. Where does the water come from/what kind of source is this? Dug well, the top 13' is lined with 48" diameter ductile iron pipe with 16.5' of smaller diameter perforated pipe set inside one end of the larger diameter pipe. (See diagram.) The water level was visible in the smaller diameter pipe at a depth to water of 12.5' below the top of casing.

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs (See attachments). Latitude: 21-25-48 Longitude: 157-45-15

How is the water taken? The applicant would like to obtain permission to use the well, so that they can apply for County funds to build a pump house and design the most appropriate pumping system. What is the capacity for taking (gpm)? no pump present yet. How often is it taken (used)? no current use

3. Tax Map Key at the source: TMK: 4-4-11:81
Determine applicant's relation to source.

Does the applicant:
1) Operate and maintain the source? Yes
2) Own the land at the source? Yes
3) Use the water from this source? Future use.
4) Own the land where the water is being used? No current use.

4. Does any one else also use water from this source? NO

Verified By: Susan Swanson Date of Inspection: March 11, 1994
Site Inspection of Well 2545-01 for GWME Permit Application 3/11/93
HON WASTEWATER
(no Water Use Declaration filed for this well since it was constructed for temporary construction dewatering.)

Photo # 1 (top)
View of the entrance to the Kailua Wastewater Treatment Plant, 95 Kaneohe Bay Drive, Kaneohe

Photos # 2 & 3
Two views of the administration building and general location of the dug well.
Photos # 4, 5, & 6
Three views of the dug well, 2545-01. The cement well cover is in the foreground in the top photo. Depth to water shown in the bottom photo is 12'6". Although the diagram indicated that the diameter of the ductile iron pipe casing was 42", it was measured and found to be 48" at the top of the casing. The diameter is reduced above the water line to a 36" diameter perforated cmp pipe.
MEMORANDUM

TO:     Aquatic Resources
        Forestry and Wildlife/Natural Area Reserve System
        Historic Preservation
        Land Management
        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 Application
         Waimanalo Ground Water Management Area, Oahu

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If you have any questions regarding this application, please contact Lenore Nakama at

LN:ky
Attachments

Response: Contact person: ____________________ Phone: ____________________

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

Signed: ____________________ Date: 6/30/94
MEMORANDUM

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

FROM:  Rae M. Loui, Deputy Director

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If you have any questions regarding this application, please contact Lenore Nakama at

LN:ky
Attachments

Response:  Contact person: ___________________________ Phone: ___________________________
           (v) We have no comments
           ( ) We have no objections
           ( ) Comments attached
           ( ) Additional information requested
           ( ) Extended review period requested

Signed: ___________________________  Date: ___________________________
County Zoning Classification(s): R-10
Beneficial Use Explanation: Various uses at the Kailua WWTP

Background Information

Water Use Permit No. 337 was approved during the March 16th, 1994 Commission on Water Resource Management meeting. There are no water use or salinity records on file for State Well No. 2545-01. Standard conditions 1-11, 13-14, 16-17, & 20-23 and special conditions 50 & 63 are the governing conditions for this water use permit. A complete list of all standard and special conditions is given in the permit file.

Field Investigation Information

No field investigation was conducted for Water Use Permit No. 337. Brown and Caldwell attempted to contact the permittee on three different occasions via standard mail. Cover letters accompanied by survey forms were sent out on November 21st, 2007, February 20th, 2008, and July 15th, 2008. The first two letters were sent to the Department of Wastewater Management at 650 S. King Street, Honolulu, HI 96813. Since no response was received after the first two attempts, the Commission obtained up-to-date land owner addresses for the TMK parcel given in the permit database. The third letter was sent to the Department of Environmental Services at 1000 Uluohia Street, Suite 308, Kapolei, HI 96707. Since no response was received by the end of the field investigation phase of this project, Brown and Caldwell was not able to verify any of the information listed in this report. Reference the permit file for supporting documentation relevant to this contact process.

Summary of Findings for Water Use Permit No. 337

Although no field investigation was completed for this Water Use Permit, information pertinent to permit compliance was gathered during the research phase of this project.

The following are a list of standard condition(s) that the permittee is found to be in non-compliance with:

(10)  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 yearly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.

Since no monthly water use or salinity records are being submitted to the Commission, the permittee is found to be in violation of Standard Condition (10).
Recommendations

- Address the following discrepancies between the Commission’s electronic database and actual field investigation findings:
  - Permittee and landowner names and addresses
  - Change permittee contact to Eric Takamura
  - State land use and county zoning classifications
- Address violation of Standard Condition (10) regarding non-reporting of water use and salinity levels.
- Address issue of lack of response in regards to the Commission’s attempt to contact the permittee during this permit review process.
WATER USE PERMIT NO. 337

This report has been prepared in accordance with 13-171-22(b) of the Hawaii Revised Statutes requiring a 20-year review of issued water use permits to determine permit compliance. Following is a summary of permit information, site characteristics, methodology, findings, and recommendations for this State permit file.

**Permit Information**

<table>
<thead>
<tr>
<th>Water User:</th>
<th>Department of Environmental Services City &amp; County of Honolulu 1000 Uluohia St., Suite 308 Kapolei, HI 96707</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landowner of Source:</td>
<td>Department of Environmental Services City &amp; County of Honolulu 1000 Uluohia St., Suite 308 Kapolei, HI 96707</td>
</tr>
<tr>
<td>Permitted Withdrawal Rate:</td>
<td>0.025 mgd (Based upon a 12-month moving average)</td>
</tr>
<tr>
<td>Water Management Area:</td>
<td>Waimanalo</td>
</tr>
<tr>
<td>Island:</td>
<td>Oahu</td>
</tr>
<tr>
<td>Aquifer Sector/System:</td>
<td>Windward/Waimanalo</td>
</tr>
<tr>
<td>System Sustainable Yield:</td>
<td>8 mgd</td>
</tr>
<tr>
<td>Water Type:</td>
<td>Brackish</td>
</tr>
<tr>
<td>Original CWRM Date:</td>
<td>March 16th, 1994</td>
</tr>
<tr>
<td>Standard Conditions:</td>
<td>1-11, 13-14, 16-17, 20-23</td>
</tr>
<tr>
<td>Special Conditions:</td>
<td>50, 63</td>
</tr>
</tbody>
</table>

**Water Source**

| State Well Number(s): | 2545-01 |
| Well Name: | Kailua WWTP – PC Pit |
| Water Source TMK Number(s): | 1st Division, 4-4-011:081 |
| State Land Use Classification(s): | Urban |
| County Zoning Classification(s): | R-10 |
| Geographical Coordinates: | N/A |

**End Use**

| End Use TMK Number(s): | 1st Division, 4-4-011:081 |
| State Land Use Classification(s): | Urban |
Standard Conditions List

1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means "the use of water in such a quantity as is necessary for economic and efficient utilization, which is both reasonable and consistent with State and County land use plans and the public interest." (HRS § 174C-3)

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 HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   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 and HRS § 174C-101(a).

4. The ground-water use here must not interfere with surface or other ground-water rights or reservations.

5. The ground-water use here 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 authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its <Insert Date> meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

Variations of Standard Condition (8) are as follows:
   i. Modification of any permit condition shall be approved by the Commission. Modification of any permit condition without notification may result in the revocation of the water use permit.
9. This 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 the water sources (quantity or quality);
   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 Home Lands, 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. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a monthly basis (attached).

Variations of Standard Condition (10) are as follows:
   i. The applicant shall keep monthly pumpage estimates to be submitted annually to the Commission.
   ii. An approved flowmeter(s) need not be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).
   iii. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.
   iv. Approved flowmeters must be installed to measure monthly withdrawals and a monthly record of withdrawals must be kept and reported to the Commission on Water Resource Management on a monthly basis.
   v. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a quarterly/yearly basis (attached).
   vi. An approved flowmeter shall be installed to measure water withdrawals
   vii. An approved flowmeter(s) must be installed to measure withdrawals; and a record of the withdrawals must be kept and reported to the Department of
Land and Natural Resources, Division of Water and Land Development, P.O. Box 373, Honolulu, HI 96809, on a monthly basis.

viii. Although not stated as a condition of the permit §13-168-7 HAR requires you to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular monthly basis using the enclosed water use report form.

ix. An approved flowmeter shall be installed and the withdrawal from Well 1851-73 shall be recorded and reported to DLNR on a monthly basis by the owner and/or operator of the well.

x. The withdrawals from these wells shall be recorded and reported to the DLNR on a monthly basis by the BWS.

xi. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting water usage on a monthly basis.

xii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.

xiii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission along with water level and salinity measurements.

11. This permit shall be subject to the Commission’s periodic review of the <Aquifer> Aquifer System’s sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the <Aquifer> Aquifer System, or relevant modified aquifer(s), is reduced.

12. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer, which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

13. The uses(s) authorized by law and by this permit do not constitute ownership rights.

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

15. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservations, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter
into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period or forfeiture.

16. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by 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 <Aquifer>Ground-Water Management Area.

17. The water use permit shall be subject to the Commission’s establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

18. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

19. Special conditions in the attached cover transmittal letter or attached exhibits are incorporated herein by reference.

20. If the ground-water source does not presently exist, 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.

Variations of Standard Condition (20) are as follows:

  i. The permit may be revoked if work is not started within six months of the date of issuance or if work is suspended or abandoned for six months. The work proposed in the permit application shall be completed within two years from the date of permit issuance.

21. This permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HRS § 174C-59 and the requirements of Chapter 174C, the Commission on Water Resource Management has the authority to allow the transfer of the permit and the use rights granted by this permit in a manner consistent with HRS § 174C-59. 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.

22. The water use permit granted shall be an interim water use permit, pursuant to HRS § 174C-50. The final determination of the water use quantity shall be made within five (5) years of the filing of the application to continue the existing use.

23. The water use permit shall be issued only after agricultural review.

24. That scheduled adjustments to Oahu Sugar Co. permitted use shall be initiated upon discontinuance of agricultural uses.
25. The issuance of this permit was approved by the Commission on Water Resource Management at its meeting on <Insert Date>.

26. The permit shall be subject to the review by the Attorney General.

27. The permit holder may be required to relinquish this permit at any time or specified time after issuance to the Board of Land and Natural Resources in accordance with Chapter 166 of Title 13.

28. The applicant shall obtain the necessary land acquisition documents from the Hawaii Housing Authority.
Special Conditions List

1. Should an alternate permanent source of water be found for this use, then the Commission reserves the right to revoke this permit, after a hearing.

2. In the event that the tax map key at the location of the water use is changed, the permittee shall notify the Commission in writing of the tax map key change within thirty (30) days after the permittee receives notice of the tax map key change.

3. The applicant shall contact the Environmental Management Division, State Department of Health, at [contact information] concerning “GUIDELINES APPLICABLE TO GOLF COURSES IN HAWAII” date <Insert Date & Version #>.

4. Standard Condition 10 is emphasized, to report consumption on a regular basis.

5. 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.

6. This interim water use permit shall cease to become interim and shall be subject to HRS § 174C-55 upon administrative review of the quantity within five (5) years, provided that all conditions of the use (including the review of the quantity which shall not be greater than the amount initially granted) remain the same. Enforcement of the allocation limit shall be stayed pending staff's review and issuance of a permanent water use permit.

7. As-built drawings of the well and pump, and a complete pumping test record shall be submitted within sixty (60) days.

8. In the event the pump tests show that aquifer boundary conditions do not support the requested withdrawals, the Commission reserves the right to amend this permit, after a hearing, to a level that is supported by the pump tests.

9. The existing use may be continued within the levels approved by the Commission, and the actual issuance of the permit document shall not be a reason to interrupt the approved level of use.

10. The filing of an application by Kukui, Inc. for a new or modified water use permit for the Kualapuu Aquifer in excess of 2.0 mgd (total system withdrawal) shall be just cause for re-consideration of this interim permit by the Commission.

11. Upon completion of a new transmission line for the transport of water use by Well #17, the permit shall be modified to reduce the allocation amount by the additional 79,220 gallons per day allocated for use of the Molokai Irrigation System.

12. Within six (6) months from the date of approval of a water use permit for the well, the applicant shall conduct a feasibility study and submit a report describing
alternative sources of nonpotable water for irrigation uses at the resort area. It is suggested that the developer consider use of dual lines in the subdivisions so that effluent may be used in the existing reuse system. Another consideration is the development of brackish water wells in the Kaluakoi Aquifer system for mixing with the effluent generated at the resort.

13. Within six (6) months from the date of approval of a water use permit for the well, the application shall evaluate the filter back discharges into Kakaako Gulch to determine if excessive preventable waste is occurring and identify possible measures to eliminate or reduce such waste. The evaluation shall be conducted in cooperation with the Commission staff and staff of the Department of Health’s Safe Drinking Water Branch, which regulates the drinking water system.

14. Within six (6) months from the date of approval of a water use permit for the well, the applicant shall 1) implement a leakage control and detection system and compete repairs to prevent such leakage and 2) implement use of xeriscaping and low-flow fixtures.

15. Action on the future use portion of the water use permit application for Well #17 (Well No. 0901-01) is deferred pending the establishment of existing uses in the aquifer. Kukui Inc.’s application for uses in excess of those uses existing on July 15, 1992 will be considered “new” uses and will be taken up by the Commission as soon as other existing use applications have been decided. In the interim,
   a. The Commission shall recognize that there is disagreement between the applicant’s staff calculations of reasonable-beneficial existing use
   b. The Applicant will have the burden of proof to show within six (6) months reasonable-beneficial existing use calculations that support the applicant’s request as opposed to staff’s calculations.
   c. The Commission’s enforcement of the approved existing use allocation will be suspended for six (6) months.

16. The permittee shall submit a notice of intent and written request to continue the use at least ninety (90) days prior to the expiration of the interim five-year permit.

17. The Commission shall delegate to Maui Department of Water Supply the authority to allocate the use of water for municipal purposes, as provided in §174C-48(b).

18. Maui Department of Water Supply shall be exempt from the requirements for permit modifications, as provided in §174C-57(c).

19. The permittee must meter water use and monitor chloride concentrations on a monthly basis and submit monthly reports of water use and chloride concentrations to the Commission.

20. Standard Condition 16 is waived for saltwater wells.

21. The permit will be revoked if (1) stream monitoring shows that pumping the well reduces stream flow, or (2) the electromagnetic resistivity survey indicates that the
well was drilled into a dike compartment, unless the applicant submits a petition for an amendment to the interim instream flow standard with the well completion report. However, no use of the water may be made without a Pump Installation Permit, which cannot be issued during consideration of the amendment of the interim instream flow standard.

22. The applicant shall present the results of the electromagnetic resistivity survey, pump tests, and stream monitoring to a community meeting as well as to the Commission.

23. A final determination of water use quantity shall be made within five (5) years of the filing date of the application (insert date) to continue existing use.

24. The applicant shall implement, by December 31, 1995, a biological and hydraulic monitoring program for a minimum 2-year period that: 1) documents the existing operating procedure, 2) seeks to identify the impacts of all operating alternatives on Waikolu Stream, and 3) seeks to identify the effectiveness of weir modifications (Dam No. 1). This program shall incorporate the three new wells, Wells #4-6 (Well Nos. 0855-06, -05, &-04, respectively), which may be pumped within the approved limits, for monitoring and testing purposes only. Further, semi-annual reports summarizing data and preliminary findings shall be submitted to the Commission. It is suggested that the Department of Agriculture work with the State Division of Aquatic Resources and other affected agencies to prepare the monitoring program in light of the difficult technical questions raised by this application. A particular concern is the coordination of this monitoring program with the ongoing National Park Service study by Anne Brasher. A draft of this plan shall be submitted to the Commission staff within ninety (90) days for technical review and comment. Results of the monitoring program shall be used to make recommendations to the Commission on any additional use of the wells, and shall be made readily available to all interested parties.

25. That the Commission approves the well construction permit for the Kamiloloa-Waiola Well (Well No. 0759-01), subject to the standard well construction conditions and the special conditions for the pumping well for the aquifer tests.

26. That the Commission authorizes the Chairperson to approve and issue a pump installation permit upon acceptance of adequate pump test result, subject to the standard pump installation conditions.

27. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

28. The applicant shall follow the agreed monitoring plan.

29. If pesticides used by the applicant are found in ground or surface water and can be traced to the applicant's use, the CWRM may revoke the permit immediately upon such finding.
30. Issuance of the interim permit shall be withheld until the reservation of water for DHHL is set by rule. Applicant may continue this existing use within the approved limits.

31. The applicant shall submit well modification and pump installation permit applications for administrative approval by chairperson prior to beginning any work required to complete well.

32. Should any stream flow impacts result from use, petition to amend interim instream flow standards shall be submitted.

33. Should any dewatering result from use, pumping shall cease immediately.

34. Shall submit accurate schematic diagram of distribution system for the battery of 5 wells.

35. Shall be subject to a 6-month independent audit & monitoring.

36. Final pump capacity shall be determined from pump test results & approved administratively by signature of chair.

37. The permittee shall seek and submit to the Commission within ninety (90) days written confirmation from the Department of Land Utilization of the non-conforming use.

38. Pumping shall cease immediately if the chloride reports show that the brackish water developed in the well exceeds 1,000 mg/l of chloride, unless a variance from the chloride limit has been granted. The authority to approve future variance requests is delegated to the chairperson.

39. The duration of the interim permit shall be:
   a. To July 1, 2006, or
   b. Until treated wastewater is available and acceptable for use, or
   c. Until such time that a significant change in permitted, actual, or projected uses or water supply occurs.

40. Action on any interim permit may be initiated by the Commission or any permittee upon letter request or pursuant to §174C-57 Haw. Rev. Stat. (Modification of permit terms).

41. This permit is approved under the assumption that wastewater will become available for reuse as an alternative supply source.

42. Require adherence to the chloride sampling protocol and the submittal of weekly chloride data. The authority to approve variances from the weekly reporting requirement is delegated to the Chairperson.

43. Require adherence to the Conservation Conditions.
44. In the event a water shortage is declared by the Commission, permittees in the <Insert Aquifer System> shall comply with the <Insert Aquifer System> water shortage plan adopted by the Commission.

45. The permittee shall contact the Department of Health, Clean Water Branch and obtain the necessary discharge permit(s).

46. Permit shall be interim and replaces existing WUP for 2051-07 & 11.

47. Applicant shall submit an acceptable archaeological inventory survey report to DHP. If historic sites affected, a plan to mitigate these affects must be accepted by DHP and completed by applicant.

48. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

49. (The permittee) may report monthly pumpage on yearly basis.

50. Prior to issuance of any permits, must submit filing fee for after-the-fact pump installation permit.

51. The term of this permit shall be twenty years from the date of issuance of the permit with a five-year Board review to determine compliance with the provisions of the permit.

52. The amount of water to be withdrawn under this permit shall be 0.19 mgd, averaged annually, for irrigation use. This permitted use of 0.19 mgd when added to a preserved use of 0.27 mgd amounts to a total of 0.46 mgd, averaged annually, which may be withdrawn from well 1646-01.

53. The use authorized by the permit must not interfered substantially and materially with existing individual household uses and existing uses.

54. The use of this well shall be subject to the shortage and emergency powers of the Board of Land and Natural Resources (BLNR).

55. This permit may be suspended or revoked, in accordance with Chapter 166.

56. The permit holder may be required to relinquish this permit to BLNR, in accordance with Chapter 166.

57. The withdrawal from Well 1646-10 shall be recorded and reported to DLNR on a monthly basis by the permittee.

58. In the event that emergency water use occurs, the permittee shall notify the Commission in writing within one (1) day of pumping, to in form the Commission as to the nature of the emergency and the expected duration of the emergency. A water...
use report shall also be filed pursuant to Standard Condition 10 and Administrative Rule 13-168-7.

59. Note DOH's requirements related to non-potable water systems (attached to original permit).

60. Standard Condition 16 requiring the submittal of a water shortage plan is waived.

61. All non-potable spigots and piping shall be clearly labeled as "DO NOT DRINK, NON-POTABLE" to prevent direct human consumption.

62. Standard Condition 10 is modified. Due to the inability to take water level measurements, the requirement to measure monthly water levels is waived. In addition, as long as the U.S. Geological Survey is collecting and analyzing the chloride content of the well water, the requirement for the permittee to measure and report chlorides is also waived.

63. Well elevation components must be surveyed by a licensed surveyor and this information must be submitted to commission prior to issuance of permanent permit.

64. The permittee shall obtain approvals from the Department of Health and the U.S. Environmental Protection Agency prior to use of the water.

65. This water use permit, WUP No. <Insert #>, shall supersede WUP No. <Insert #>.

66. WUP No. <Insert #> is revoked

67. Standard Condition 17 is waived.

68. Standard Condition 22 for interim water use permits shall not apply.

69. To supplement our records, we request that you provide a map of the Galbraith Est. lands west of Wahiawa (2100 ac) and the associated TMK's for use area.

70. Deferred action on portion requested for golf course irrigation pending further refinement of irrigation requirement and a feasibility study for utilization of surface water sources, including Wahiawa Reservoir.

71. Written justification be provided for any 'cushion' of 0.5 mgd.

72. The water use permit shall be an interim permit. The duration of the interim permit shall be until treated wastewater is available and acceptable for use. The permittee shall continue discussions with Honolulu Board of Water Supply regarding the use of reclaimed water.

73. The permittee is put on notice that this is a qualified approval in that this permit may be modified or revoked prior to the expiration of the interim permit if the
Commission decides that the use of additional basal ground water for dust control and landscape irrigation is not reasonable-beneficial use.

74. The permittee encouraged to use drought-tolerant landscaping to conserve water.

75. Should the applicant provide written evidence that the county DHCD approves a 201E exemption for the elderly affordable housing project then the applicant may modify a corresponding portion of their existing aquacultural use to be used by the exemption approved project within the Commission approved water use permit limits under recommendation 5.

76. The applicant shall obtain a water lease/permit from Land Division prior to actual use of the well water.

77. Require the permittee to sign a contract by May 14, 1998 with the City Department of Wastewater Management to buy and use 0.400 mgd of R-1 water for a corresponding reduction in allocation for Well Nos. 1900-02, 17 to 20, and 1901-03.

78. Standard Condition 9 is waived.

79. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

80. Standard Condition 10 is waived.

81. Applicant must seek a determination from BLNR and Land Mgt Div as to whether water license required. If required, license must be obtained prior to issuance of permit. If not, permit will be issued w/out further action.

82. Commission defers action on use in excess of 452,000 gpd pending additional info from BWS and further staff analysis.

83. The permit shall be subject to the Commission’s sustainable yield review by December 1990.

84. The Commission shall delegate to the Honolulu Board of Water Supply the authority to allocate the use of water for municipal purposes, in accordance with §174C-48(b) HRS.

85. Honolulu Board of Water Supply shall be exempt from the requirements of permit modifications as provided in §174C-57.

86. BWS must participate in discussions, to be coordinated by Commission Staff, regarding a monitoring program to address impacts to Kaneohe Bay water quality, prior to any action on applications for future municipal uses.

87. A pump installation permit application must be made and approved prior to the installation of a permanent pump.
88. The water withdrawn shall be 0.7 mgd for municipal use.

89. The installed pump capacity of the well shall not be more than 700 gpm or 1.01 mgd.

90. The term of permit shall automatically expire twelve months from the date of issuance.

91. The Honolulu Board of Water Supply may continue to submit monthly water data on their own form, provided that the data are submitted in a format that is acceptable to the Commission staff.

92. Standard Condition 7 shall not apply.

93. Standard Condition 22 shall not apply.

94. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

95. This permit shall be subject to conditions providing for stream restoration if the Commission determines that additional water should be returned to the streams.

96. HECO 1 mgd for industrial use

97. Campbell Estate 1 mgd for municipal use through BWS, by separate agreement with HECO

98. BWS 1 mgd for municipal use.

99. The permit shall be subject to the Commission’s sustainable yield review by <Insert Date>.

100. The applicant shall obtain the current version of the Department of Health’s Guidelines Applicable to Golf Courses in Hawaii. Where relevant and viable, items of the guidelines should be implemented and sustained appropriately. To obtain the current version, contact the Safe Drinking Water Branch, Environmental Management Division at [Contact Information] (Honolulu).

101. The future use portion of the application shall be deferred until existing uses in the Koolauloa area are established.

102. The water to be withdrawn under this permit shall be a total of 0.03 mgd (0.02 mgd preserved plus an additional 0.01 mgd permitted use), averaged annually, for domestic and irrigation use.

103. Existing well 1851-09 shall be properly sealed by a licensed drilling contractor. A well modification permit application, enclosed, shall be submitted to the Department for approval of the well sealing. A filing fee for sealing the well will not be required.
104. The permittee is required to test the source using a certified private laboratory and submit the test results to the Commission within three (3) months. The Commission will then forward the results to the Department of Health for their review. The Department of Health recommends that the well be routinely tested for microbiological and chemical parameters thereafter.

105. The permittee is required to submit a completed Registration of Well and Declaration of Water use by <Insert Date>.

106. The permittee shall contact the Department of Health for a written determination on the status of their water system and comply with any Department of Health requirements for monitoring and testing.

107. In the event that the original spring source decontaminates, the new well authorized will be shut down.

108. That within each aquifer the total permitted use shall not exceed the sustainable yield.

109. That any water available for allocation shall be for in-district use.

110. That scheduled reductions to Oahu Sugar Co. permitted use shall be initiated upon final termination of an Osco lease or sub-lease, whichever occurs later.

111. That permits for water use issued in accordance with the proposed schedule shall be interim permits subject to review and adjustment by 1995.

112. That the permit shall be an interim permit for a new use which is afforded to existing users as specified in §13-171-20.

113. That the original allocation of 0.200 mgd shall be taken to hearing for possible revocation at a later date to complete the transfer of the water use permit entirely to Well No. 3407-02. This revocation would reduce the current allocation afforded to the Kunihiro Well (Well No. 3406-06) to zero.

114. This allocation incorporates the unspecified domestic needs of the applicant and therefore necessitates a single meter be installed at the well.

115. Should any impacts to nearby wells or streams be established by the use of this well, the applicant shall address these issues to the satisfaction of the Commission.

116. If an economically feasible nonpotable source is identified, the applicant shall convert to the alternative nonpotable source.

117. The permit shall be subject to the Chairperson's approval of a water use plan recommending possible measures to prevent or minimize saltwater contamination and establish courses of action to follow should the aquifer become to saline to use.
118. Permittee shall provide the necessary end-use information on the 10th residence to allow regulation of the use under Chapter 174C.

119. Standard Conditions 10 & 18 shall not apply.

120. Standard Condition 10 is modified to exempt the permittee from the requirement to install a flowmeter. Salt water withdrawals may instead be estimated based on pumping capacity and run time.

121. The applicant shall review the existing year long period of pumpage and streamflow data and provide analysis on ground and surface water interaction. Deadline is January 25, 1994.

122. The water use permit for Well Nos. 2301-27 to -32 for 0.75 mgd (WUP No. 419) shall be revoked upon issuance of a pump installation permit for the well.

123. The permittee shall use mulching to decrease evaporative losses and manage irrigation scheduling to minimize water demand.

124. The permittee shall submit a detailed agricultural plan to support any future water use permit application for increased agricultural use at this parcel.

125. If not already obtained, the permittee shall seek and obtain any necessary permits from the Department of Health for the proposed discharge to Malaekahana Stream.

126. Standard Condition 10 is modified to waive the requirement for installing a water meter on Well Nos. 2358-21, 22, and 29. The permittee shall install a water meter on Well No. 2358-26 to measure total monthly flow through the discharge line. This quantity should then be assumed to be the rate of natural flow from the other three wells for monthly reporting purposes.

127. The permit shall be effective upon submittal of documentation by Navy that it has met the DOH requirements for a public system.

128. This WUP shall be subject to Army's application for a WUP to reduce the permitted use of the Army's Schofield Shaft (2901-02 to 04, 10) by 0.208 mgd to a new total of 5.648 mgd. The Army's application shall be submitted within 60 days after the approval of this WUP or this WUP shall be void. Approval of the modification request shall be obtained from the CWRM prior to use of Well No. 3100-02 and issuance of this WUP.

129. Navy shall submit an after-the-fact PIPA, and approval of the permit shall be obtained prior to use of the well.

130. The well shall not be used for drinking water purposes unless it is properly tested and treated.
131. This permit is approved subject to reclaimed water becoming a practical alternative and provided that the Department of Health approves the reuse application.

132. Should any opae ula be recovered in the well water, the permittee shall notify the Division of Aquatic Resources and provide specimens to the Division of Aquatic Resources for analysis.

133. If a single meter at the well is used, the Commission shall allow an additional 1,000 gallons per day to the water use permit amount for the domestic needs of two residences, although a permit for individual domestic consumption is not required. Otherwise, the applicant must provide a meter to separately measure the irrigation consumption.

134. This permit is approved under the requirement that conversion to either: 1) treated wastewater becoming available for reuse as an alternative supply source, provided that Department of Health concerns over the use of treated effluent over the potable water aquifer have been addressed; and/or 2) other nonpotable source becoming available will occur in a timely manner.

135. These permits shall be subject to a review of actual use within four years for possible modification of the permitted amount.

136. The permit shall be reviewed in two (2) years for possible additional revocation due to nonuse.

137. The allocation is based on the projects listed in Exhibit 5 (of Item 10 of the May 20, 1998 Staff Submittal), except for the Queen's Beach GC (TMK 139-11-2,3), Lot 9 (TMK 139-17-51), and Varsity Place (TMK 128-24-35).

138. Kamehameha Schools Bishop Estate/Honolulu Board of Water Supply shall transfer the water use permit within ninety (90) days of the effective date of the transfer of the pump station to the Honolulu Board of Water Supply, pursuant to §174C-59 Hawaii Revised Statutes.

139. The permittee shall ensure that the water is recycled by either directing it into the Waiahole Ditch for use by downstream farmers (subject to the approval of the Agribusiness Development Corporation's Board) or into Waikele Farm's existing irrigation system.

140. The permittee shall file a completed application to modify WUP No. 758 to reduce the allocation by 0.100 mgd within 60 days. If a completed water use permit modification application is not received within 60 days from this submittal's date, then the subject water use permit application (WUPA No. 767) shall be deemed denied without prejudice without the need for another hearing.

141. The water withdrawn shall be for municipal use. No improvements to the existing sources are required as the existing source capacities are greater than the increase.
142. Water license must be determined through LM.

143. Proposed other uses will be considered at a later date.
November 21st, 2007

R. Ishida
Department of Wastewater Management
650 S. King St.
Honolulu, HI 96813

Subject: WUP 337

Water Use Permit Review

In accordance with 13-171-22(b) of the Hawaii Revised Statutes, the Commission on Water Resource Management is required to conduct a 20 year permit review of issued permits to determine permit compliance. As a permit holder, we are contacting you to conduct a review of your water use permit.

As part of the permit review, we must perform field investigations for verification purposes. We have contracted with Brown and Caldwell to conduct such field investigations. Please fill out the enclosed survey form, indicating the best date and time within the time period given, and a representative from Brown and Caldwell will contact you to make further field visit arrangements.

We thank you for your cooperation in promoting beneficial and reasonable use of our ground water while protecting our limited natural supply.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

RI:ss
February 20th, 2008

Water Use Permit Holder
Department of Wastewater Management
650 S. King St.
Honolulu, HI 96813

Subject: WUP 337

Second Notice of Water Use Permit Review

In accordance with §174C-56 of the Hawaii Revised Statutes and 13-171-22(b), Hawaii Administrative Rules, the Commission on Water Resource Management is required to conduct a 20-year permit review of issued permits to determine permit compliance and prepare a formal report to legislature for public review. As a water use permit holder, we are notifying you of this statutory requirement and are asking for your help in the review of your water use permit.

As part of the permit review, we must perform field investigations for verification purposes. We have contracted with Brown and Caldwell to conduct such field investigations. Please fill out the enclosed survey form, indicating the best date and time within the time period given, and return the form via mail to Brown and Caldwell. A representative from Brown and Caldwell will then contact you to make further field visit arrangements.

Please note that this is the second notice that we are sending to attempt to make contact with you. If we cannot conduct a field investigation to verify your water use, we may commence proceedings to revoke your permit. Once your permit is revoked, you will no longer be able to use ground water from your well. Upon revocation, any water use without a valid permit will be subject to fines of up to $5,000 per day. As such, it is in your best interest to return the form to Brown and Caldwell as soon as possible.

We thank you for your cooperation in promoting beneficial and reasonable use of our ground water while protecting our limited natural supply.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
Mr. Eric Takamura
Department of Environmental Services
City and County of Honolulu
1000 Uluohia Street, Suite 308
Kapolei, HI 96707

Dear Mr. Takamura:

3rd Notice of Water Use Permit Permit Review

In accordance with §174C-56 of the Hawaii Revised Statutes and 13-171-22(b), Hawaii Administrative Rules, the Commission on Water Resource Management is required to conduct a 20-year permit review of issued water use permits to determine permit compliance and prepare a formal report to the 2009 legislature for public review. We are notifying you of this statutory requirement as you are a water use permit holder and are asking for your help in the review of your water use permit. For your reference, your Water Use Permit number is Water Use Permit No. 337 (Well No. 2545-01). This notice is our third attempt at contacting you for this statutory review, which must be completed soon to be ready for the beginning of the 2009 legislative session.

As part of the permit review, we must perform field investigations for verification purposes. We have contracted with Brown and Caldwell to conduct such field investigations. Please fill out the enclosed survey form, indicating the best date and time your field investigation can be conducted, and return the form via mail to Brown and Caldwell no later than July 18th, 2008. A representative from Brown and Caldwell will then contact you to make field visit arrangements.

If we cannot conduct a field investigation to verify your water use, we may commence proceedings to revoke your permit. Once your permit is revoked, you will no longer be able to use ground water from your well without applying for and obtaining a new water use permit. Upon revocation, any water use without a valid permit will be subject to fines of up to $5,000 per day. As such, it is in your best interest to return the form to Brown and Caldwell as soon as possible.

We thank you for your cooperation in promoting reasonable and beneficial use and protection of our public trust ground water resources.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
March 16, 1994

Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

City & County of Honolulu
Dept. of Wastewater Management
Application for a Water Use Permit
Kailua WWTP-PC Dewatering Pit (Well No. 2545-01)
Waimanalo Ground Water Management Area, Oahu

 Applicant: Landowner:
City & County Same
Dept. of Wastewater Management
650 South King Street
Honolulu, HI 96813

Background

The applicant submitted a completed water use permit application to the Commission on November 30, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

This existing caprock source was constructed in 1988 and used as a dewatering sump during construction of new primary clarifiers for the Kailua Wastewater Treatment Plant. The construction is now complete, and the pit has been retained for future industrial use of the brackish water at the plant site. The applicant proposes to pump the water at an average rate of 25,000 gallons per day into an existing abandoned tank from where it will be rerouted to various use locations as needed. Proposed industrial uses include plant washdown, fire protection, cooling, testing and exercising pumping equipment, and protection and maintenance of unused open tanks and sludge lines.

Although existing permits for the Waimanalo Aquifer System total 14.719 mgd, 14.112 mgd is for salt-water wells. Salt-water withdrawals do not reduce the stored recharge in the aquifer. Based on reported monthly water use, the 12-month moving average withdrawal from the system is 0.635 mgd. This is slightly less than the estimate provided in the Oahu Water Management Plan, which reported an existing use of 0.9 mgd as of 1990. Because of the potential for interactions between ground and surface waters, this estimate of 1990 water use has also been suggested as the "developable yield" of the aquifer. The sustainable yield of the system was previously estimated to be 8 mgd. The only other pending permit application has been filed by the Board of Water Supply for municipal use of 0.9 mgd from the Waimanalo Tunnel sources.

There are no other wells in the vicinity of the subject source that may be affected by the proposed water use. Although the well is located near wetlands and Nuupia Pond, the proposed rate of withdrawal should not result in any measurable impacts to these systems. No objections have been filed for this permit application.
Chairperson and Members
Commission on Water Resource Management

March 16, 1994

RECOMMENDATION

Staff recommends:

That the Commission approve the issuance of an interim water use permit to the City & County Department of Wastewater Management for the reasonable and beneficial use of 25,000 gallons per day of brackish water from the Kailua WWTP-PC Dewatering Pit (Well No. 2545-01) for industrial use at the plant site, subject to the standard water use permit conditions listed in Attachment B and the following special condition:

1. The applicant must submit an application for a pump installation permit, which shall be administratively approved by the Chairperson prior to installing a pump in the well.

2. Well elevation components must be surveyed by a licensed surveyor and this information must be submitted to the Commission prior to issuance of a permanent water use permit for this source.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER:
Sustainable Yield: 8 mgd
Existing Water Use Permits: 0.607 mgd*
Available Allocation: 7.393 mgd
Total of other pending allocations: 0.900 mgd

* Does not include salt-water sources.

WELL:
Location: Kailua WWTP-PC Dewatering Pit (Well No. 2545-01)
Year Drilled: 1988
Casing Diameter: NA in.
Elevations (msl = 0 ft.)
Water Level:
Ground: 0.5 ft.
Bottom of Solid Casing: 12 ft.
Bottom of Perforated: NA ft.
Bottom of Open Hole: NA ft.
Total Depth: 30 ft.
Grouted Annulus Depth: NA ft.
Pump Capacity: NA gpm

Use Information

Quantity Requested: 25,000 gallons per day.
Proposed Type of Water Use: Industrial
Place of Water Use: Kailua Wastewater Treatment Plant, Oahu, TMK: 4-4-11:81
Reported Water Usage: NA gpd
Nearby Similar Water Usage: NA gpd

ATTACHMENT A
Chairperson and Members
Commission on Water Resource Management
March 16, 1994

Waimanalo Aquifer System
Current 12-Month Moving Average Withdrawal: 0.635* mgd
(8% of SY)

* Does not include withdrawals by salt-water wells.

Nearby Surrounding Wells and Other Registered Ground Water Use

There are three no other wells within a mile of the well (see Exhibit 1). Information from the registration program indicates there are possibly twenty-six (26) existing wells in the Waimanalo Aquifer System. Several of these wells have been initially field checked but many of the declarants have not been completely field verified. Several are not in use or are rights claims. The 1992 Draft of the Oahu Water Management Plan estimated that the existing withdrawals from the Waimanalo Aquifer System is 0.9 mgd as of 1990.

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on January 21, 1994 and January 28, 1994 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 February 11, 1994.

Objections

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 February 11, 1994. No objections were filed with the Commission.

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 proposed use site was investigated on March 11, 1994. The investigation(s) verified the applicant's request for a water use permit.
STANDARD WATER USE PERMIT CONDITIONS

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

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

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and 174C-101(a), HRS.

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

5. The ground water use approved must not interfere with interim or permanent instream flow standards or policies as determined by the Commission. 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 March 16, 1994 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

ATTACHMENT B
Chairperson and Members
Commission on Water Resource Management
March 16, 1994

Carry out such other necessary and proper exercise of the State’s and the Commissions’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 does not presently exist, 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 yearly 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 Waimanalo 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 comply with all applicable laws, rules, ordinances, and other agencies’ permits and conditions pertaining to water use or the water resource.

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 Waimanalo Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, pursuant to 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.

19. The water use permit shall be subject to the Commission’s establishment of instream standards and policies to Stream Protection and Management (SPAM), as well as legislative mandates to protect stream resources.
EXHIBIT 1
December 15, 1995

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

Attention: Mr. Charlie Ice

Gentlemen:

Subject: Pump Installation Permit for Kailua WWTP
PC Dewatering Pit Well (Well No. 2545-01), Waimanalo, Oahu

Please cancel the subject permit. Due to limited funds and the higher priority of other projects, the construction of this project has been postponed indefinitely. If we decide to pursue this project again in the future, we will reapply for another permit at that time.

Thank you for your permit extensions and time granted to allow us to complete the design. If you have any questions, please call Mr. Stan Kon at [redacted]

Very truly yours,

FELIX B. LIMTIACO
Director

cc: T&D
Mr. Felix Limtiaco, Director
Department of Wastewater Management
City and County of Honolulu
650 South Beretania Street
Honolulu, HI 96813

Dear Mr. Limtiaco:

Request to Cancel Permit
Construction of Kailua WWTP PC
Dewatering Pit Well (Well No. 2545-01)

Thank you for your letter of December 15, 1995, requesting cancellation of the captioned Well Construction Permit. We understand that limited funds and other priorities have postponed this project indefinitely.

It is unnecessary to take this matter to the Commission, as the permit will expire this June 8, 1996. This should not prejudice a new application, if you decide to pursue the project in the future.

We appreciate being informed of this situation in a timely way.

Sincerely,

RAE M. LOUI
Deputy Director

CI:ss
October 16, 1995

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

Attention: Mr. Charlie Ice

Gentlemen:

Subject: Request for Extensions of Construction Start and Completion Dates for Kailua WWTP PC Dewatering Pit Well (Well No. 2545-01)

We request six month time extensions for the starting of construction to April 8, 1996 and the completion of construction to September 16, 1996 for the subject well.

Additional time was required to complete review and we could not advertise and award the project in time to start and complete the construction before the permit expiration date of March 16, 1995.

We will notify you, in writing, before any work covered by the permit begins.

If you have any questions, please call Mr. Stanley Kon at [name redacted]

Very truly yours,

Cheryl K. Okuma-Sepe
Deputy Director

FELIX B. LIMTIACO
Director

cc: T&D
Mr. Felix Limtiaco  
Department of Wastewater Management  
City and County of Honolulu  
650 South Beretania Street  
Honolulu, HI 96813  

Dear Mr. Limtiaco:  

Request for Extension of Start of Construction Date for Kailua WWTP PC Dewatering Pit Well (Well No. 2545-01) 

We acknowledge receipt of your letter requesting an extension of the start of construction date. By this letter we are extending your start date four months to October 8, 1995. Please note that the wells should be completed by March 16, 1996, two years from the date the permit was approved. 

Please notify the Commission on Water Resource Management, in writing, before any work covered by the permit begins, or if work cannot begin by October 8, 1995. 

Sincerely, 

RAE M. LOUI 
Deputy Director 

CI: ss
April 24, 1995

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

Attention: Ms. Lenore Nakama

Gentlemen:

Subject: Request for Extension of Start of Construction Date  
for Kailua WWTP PC Dewatering Pit Well (Well No. 2545-01)

We request an additional four months extension to October 8, 1995. We cannot complete the drawings in time to meet the initial extension date of June 8, 1995, due to scheduling difficulties by our drafting staff. Allowing for interruptions, time to review, advertise, and award, construction should start before October 1995, and be completed by January 1996.

We will notify you, in writing, before any work covered by the permit begins.

If you have any questions, please call Mr. Stanley Kon at _____

Very truly yours,

FELIX B. LIMTIACO  
Director

cc: Division of Treatment & Disposal
Mr. Kazu Hayashida  
Manager and Chief Engineer  
Board of Water Supply  
City and County of Honolulu  
830 South Beretania Street  
Honolulu, HI 96843  

Dear Mr. Hayashida:

Request for Extension of Start of  
Construction Date for Kailua WWTP PC  
Dewatering Pit Well (Well No. 2545-01)

We acknowledge receipt of your letter requesting an extension of the start of construction date. By this letter, we are extending your start date six months to June 8, 1995. Please note that the wells should be completed by March 16, 1996, two years from the date the permit was approved.

Please notify the Commission on Water Resource Management, in writing, before any work, covered by the permit, begins or if work cannot begin by June 8, 1995.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Cl:ss
We request an additional six (6) months to start work on this project. We have designed the pumping system and are currently developing the drawings and specifications and need the additional time to coordinate between departments, obtain building permits, advertise and award contract. We intend to contract this work rather than use City personnel as initially planned. We will inform you on who contractor is after award.

The pump should be installed by end of summer 95.

Please call Stan Kain at 527-3756 if you need more information.
TO: Dept. of Wastewater Management
City & County of Honolulu
650 South King Street
Honolulu, HI 96813

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a 200 gallons per minute pump in Kailua WWTP PC Dewatering Pit Well (Well No. 2545-01), is approved subject to the following conditions:

1. The Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, before any work covered by this permit commences.

2. The permit shall be for installation of a 200 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

3. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to pump water from the well shall not constitute a determination of correlative water rights. The permittee is notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

4. The applicant shall comply with all applicable laws, rules, and ordinances.

5. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a monthly basis and reported to the Commission.
6. This permit may be revoked if work is not started within six (6) months of the date of issuance or if work is suspended or abandoned for six months. The work proposed in the permit application shall be completed within two years from the date of permit approval.

7. An as-built sectional drawing of the pump installation shall be submitted to the Commission within thirty (30) days after completion of work.

8. The permit application and staff submittal approved by the Commission at its meeting on March 16, 1994 shall be incorporated herein by reference.

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

Applicant's Signature: ___________________________ Date: ____________

Printed Name: __________________________________________

Firm or Title: __________________________________________

Please sign and return one copy of this permit to the Commission and retain a copy for your record.

cc: USGS
   Department of Health
   Safe Drinking Water Branch
   Ground Water Protection Program
   Wastewater Branch
   Honolulu Board of Water Supply
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809  
Attention: Ms. Lenore Nakama  

Gentlemen:  

Subject: Application for Water Use Permit at  
Kailua Wastewater Treatment Plant  
PC Dewatering Pit (Well No. 2545-01)  
Waimanalo Ground Water Management Area, Oahu  

We submit an application for a permit to install a pump at the subject well as requested by your letter of January 19, 1994.  

We also attach a sketch of the well which we submitted to you previously for your use as required. Please note that the well was a previous construction dewatering pit and is now being considered as an industrial water source.  

We intend to install the pump and piping using qualified City staff on a time available basis when the permit to install the pump is received.  

Your favorable consideration would be appreciated. Please call Mr. Hiromi Okuda at [Redacted] if you require more information.  

Very truly yours,  

KENNETH M. RAPPOLT  
Director  

Attachments  

cc: T&D Division  
(N. Ching)  
(R. Naipo)
APPLICATION FOR PERMIT

☐ Well Construction or ☐ Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, 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 the Regulation Branch at 587-0225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Dept. of Wastewater Management
      City & County of Honolulu
      Firm/Name ______________________________________
      Contact Person: R. Ishida Ph. _______________________
      Address: 650 South King Street
      Honolulu, Hawaii 96813
      _________________________________
   (b) LANDOWNER
      Dept. of Wastewater Management
      City & County of Honolulu
      Firm/Name ______________________________________
      Contact Person: R. Ishida Ph. _______________________
      Address: 650 South King Street
      Honolulu, Hawaii 96813
      _________________________________
   (c) CONTRACTOR
      Dept. of Wastewater Management
      City & County of Honolulu
      Firm/Name ______________________________________
      Contact Person: R. Ishida Ph. _______________________
      Address: 650 South King Street
      _________________________________

2. WELL LOCATION/NAME: Kailua WWTP - PC Dewatering Pit
   Address 95 Kaneohe Bay Drive
   Island Oahu
   Tax Map Key 4-4-11-81
   _________________________________
   (Attach a USGS map, scale 1"=2000', and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: ☐ Drill New Well ☐ * Alter Location
      ☐ Modify Existing Well ☐ Replac Pump ☐ Deepen ☐ * Abandon/Seal
      ☐ Install New Pump ☐ Replace Pump ☐ Modify Pump  * Be sure to complete and submit well abandonment report upon completion of work.
   (b) WELL TYPE: ☐ Dug ☐ Bored ☐ Driven ☐ Drilled ☐ Radial
      Is this well a part of a battery of wells? ☐ Yes ☐ No
      (Briefly describe and fill in the diagram on the back of this form.)
      See attached sketch

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 200 gallons per minute
   Pump Type: ☐ Deep Well Turbine ☐ Rotary ☐ Centrifugal
   ☐ Submersible ☐ Propeller ☐ Reciprocating
   ☐ Rotary-Displacement ☐ Impulse
   Motor: ☐ Diesel ☐ Gas ☐ Electric, rated horsepower of Approx. 10
   _________________________________

5. PROPOSED USE:
   ☐ Municipal (including hotels, stores, etc.) ☐ Military ☐ Industrial
   ☐ Domestic (individual, noncommercial water sys.) ☐ Other (explain) ☐ Rural ☐ Conservation
   ☐ Irrigation (rop) ☐ Other (explain)  (State Land Use District: ☐ Urban ☐ Agriculture
   County Zoning (describe) ☐ Conserve)
   (If more space is needed, continue below remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 25,000 gallons per day (140,000 max)
   (b) METHOD OF FLOW MEASUREMENT: ☐ Flow-meter ☐ Open-pipe ☐ Orifice Plate ☐ Weir

7. PENDING ACTIONS: ☐ CDUA ☐ SMA ☐ EIS ☐ EA ☐ NONE ☐ Other(explain)

8. REMARKS, EXPLANATIONS:
   _________________________________
   _________________________________
   _________________________________
   (If more space is needed, continue on back)

NOTE: Signing below indicates that the applicant understands that, if the permit requested is granted by the Commission on Water Resource Management, the proposed work is to be completed within two (2) years of the approval date. In addition, the contractor shall submit to the Commission a well completion report, well abandonment report, or both, within 30 days after the completion date of the permitted work. The applicant also understands that monthly water use data shall be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

For Official Use Only:
Date Received ____________________________
Date Accepted ____________________________
Field Checked By S. SWANSON
Date 3-11-94

KENNETH M. RAPPOLT, Director
Director, Dept. of Wastewater Management

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Director, Dept. of Wastewater Management
9. PROPOSED WELL SECTION

Elevation at top of casing

Ground Elevation: __________ ft., mas

Cement Grout: __________ ft.

Rock Packing: __________ ft.

Solid Casing:
- Material
- Length ft.
- Diameter in.
- Wall thickness in.

Hole Diameter: __________ in.

Total Depth: __________ ft.

Casing: [ ] Perforated [ ] Screen
- Material
- Length ft.
- Diameter in.
- Wall thickness in.
- Openings sq. in./L.F.

Open Hole:
- Length ft.
- Diameter in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (mas) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
Mr. Hiromi Okuda
Department of Wastewater Management
City and County of Honolulu
650 South Beretania Street
Honolulu, HI 96813

Dear Mr. Okuda:

Request for Extension of Start of Construction Date for Kailua WWTP PC Dewatering Pit Well (Well No. 2545-01)

We acknowledge receipt of your letter requesting an extension of the start of construction date. By this letter, we are extending your start date six months to June 8, 1995. Please note that the wells should be completed by March 16, 1996, two years from the date the permit was approved.

Please notify the Commission on Water Resource Management, in writing, before any work covered by the permit begins, or if work cannot begin by June 8, 1995.

Sincerely,

 Rae M. Loui
Deputy Director

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 25,000 gallons per day (140,000 max)
(b) METHOD OF FLOW MEASUREMENT: ■ Flow-meter □ Open-pipe □ Orifice Plate □ Weir

7. PENDING ACTIONS: □ CDUA □ SMA □ EIS □ EA □ NONE □ Other(explain)

8. REMARKS, EXPLANATIONS:

(If more space is needed, continue on back)
9. PROPOSED WELL SECTION

Elevation at top of casing ______ ft., msl.

Ground Elevation: ______ ft., msl

Cement Grout: ______ ft.

Rock Packing: ______ ft.

Solid Casing:
Material
Length ______ ft.
Diameter ______ in.
Wall thickness ______ in.

Hole Diameter: ______ in.

Total Depth ______ ft.

Casing: □ Perforated □ Screen
Material
Length ______ ft.
Diameter ______ in.
Wall thickness ______ in.
Openings ______ sq. in./L.F.

Open Hole:
Length ______ ft.
Diameter ______ in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (msl) by a surveyor licensed by the State must be submitted at start of construction. Final elevations of well components shall be submitted in the well completion/well abandonment reports.
KAILUA WWTP  2545-01

Primary Clarifier Dewatering Well

11/10/93