CHECKLIST

Type of Permit:  __ Well Construction  √ Pump Installation  __ Water Use Required

Well Name  AuaLam, Maui, Inc.  No.  4859-01  Island  Maui
Applicant  AulaLam Develop. Co.  Landowner  Kdm Orch. / Bishop Estate
Consultant  JNWRE  TMK  7-2-03: 01

Appl Recd  7/24/95  +90 days
Mapped/#  8/22/95  Logcomp  8/20/95  Logbk  8/20/95
Acknowledgment  SEP - 5 1995  Ch 343 pau
Fee Depos  8/23/95  Tent CWRM Action

Copies Sent for Review  Sent  Comments Recd
DoH/ Drink Water  SEP - 5 1995
Wastewater  SEP - 5 1995
Hist. Preserv  SEP - 5 1995
Aquat Res  SEP - 5 1995
OHA  SEP - 5 1995
DHHL  SEP - 5 1995
Honolulu BWS  SEP - 5 1995
Maui DoW  SEP - 5 1995
Kauai DoW  SEP - 5 1995
Hawaii DoW  SEP - 5 1995
PW  SEP - 5 1995
SCLDF  SEP - 5 1995
Com-NHKAC  SEP - 5 1995

Bulletin  

to Agenda  

Submittal  

to Appl

CWRM  _Appr  Deny  

Permit/Notice to Appl  

CHECKLIST

☑ Well Construction Permit
_ Pump Installation Permit

☐ Water Use Permit Required Also

4859-01

Well Name & Number: Kaupulehu Resort Well
Island: Hawaii

Applicant: Kaupulehu Land Company
Landowner: KS/B.P. Bishop Estate
Consultant: Roscoe Moss Hawaii, Inc.

Date application received: 5/13/93
☑ Date acknowledged receipt/request more info: 6/13
☑ Date filing fee deposited: 

☑ Application sent to following:
- Dept. of Health
  - Safe Drinking Water Branch
  - Wastewater Branch
- Office of Hawaiian Affairs
- Dept. of Hawaiian Home Lands
- State Historic Preservation Div.
- Sierra Club Legal Defense Fund
- Honolulu Board of Water Supply
- Maui Dept. of Water Supply
- Kauai Dept. of Water Supply
- Hawaii Dept of Water Supply
- Hawaii Dept. of Public Works
- Kealakea No. 28 (Oahu)
- Additional List (Molokai)
- Eric Hirano/ Lyann Mizuno

Date sent
- Safe Drinking Water Branch: 6/14
- Wastewater Branch: 6/14
- Office of Hawaiian Affairs: 
- Dept. of Hawaiian Home Lands: 
- State Historic Preservation Div.: 6/13
- Sierra Club Legal Defense Fund: 
- Honolulu Board of Water Supply: 
- Maui Dept. of Water Supply: 
- Kauai Dept. of Water Supply: 
- Hawaii Dept of Water Supply: 
- Hawaii Dept. of Public Works: 
- Kealakea No. 28 (Oahu): 6/14
- Additional List (Molokai): 
- Eric Hirano/ Lyann Mizuno: 

Comments received

Date agenda due: 6/30/93
Date submittal due: 6/30/93
Date submittal sent to applicant: 6/30/93
Date application approved or disapproved: 7/14/93
Date applicant notified of decision: 

Remarks: ADD cond: 12 Golf Course Cond
APPLICATION FOR PERMIT

4-29-93

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 96801. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)

(a) WELL OWNER
Firm/Name: Kaupulehu Land Company
Contact Person: Kim Richards
Address: P. O. Box 1119
Kailua-Kona, Hawaii 96745

(b) LANDOWNER
Firm/Name: Kamehameha Schools/B. P.
Contact Person: Bishop Estate
Address: 507 South King Street
Honolulu, Hawaii 96813

(c) CONTRACTOR
Firm/Name: Roscoe Moss Hawaii, Inc.
Contact Person: Contractor's C-87 License No. C16437
Address: 91-259 01st Street
Ewa Beach, Hawaii 96707

2. WELL LOCATION/NAME: Kaupulehu Resort
Island: Hawaii
Address: No street address; just makai of Mamalohoa Highway
Tax Map Key: 7-2-03-6

(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
- Modify Existing Well
- Redrill
- Install New Pump
- Replace Pump
- Modify Pump
- Deepen
- * Abandon/Seal

(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.)

4. PROPOSED PUMP INFORMATION:

- Rated Pump Capacity: 200 gallons per minute
  - Pump Type: 
    - Deep Well Turbine
    - Submersible
    - Centrifugal
  - Motor:
    - Rotary
    - Reciprocating
    - Impulse
    - Electric, rated horsepower of 20

5. PROPOSED USE:
- Municipal (including hotels, stores, etc.)
- Domestic (individual, noncommercial water sys.)
- Irrigation (crop)
- Golf Course
- State Land Use District:
  - Urban
  - Agriculture
  - Rural
  - Conservation
- County Zoning (describe):

(If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day
(b) METHOD OF FLOW MEASUREMENT:
- Flow-meter
- Open-pipe
- Office Plate
- Weir

7. PENDING ACTIONS:
- CDA
- SMA
- EIS
- EA
- NONE
- Other (explain)

8. REMARKS, EXPLANATIONS:

Refer to Other Side

(Note: Signing below indicates that the applicant understands that, if the permit is granted by the Commission on Water Resource Management, the approved 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.)

Well Owner: Kim Richards
Signature: ____________________________
Date: April 29, 1993

Landowner: Kamehameha Schools/B. P.
Signature: ____________________________
Date: ____________________________

Contractor: Roscoe Moss Hawaii, Inc.
Signature: ____________________________
Date: ____________________________

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Date

Longitude: ____________________________
Latitude: ____________________________
Aquifer System Name: ____________________________
State Well No.: ____________________________
The well will be drilled and pump tested to determine the quality of water available within the Resort site. If the results are acceptable, up to three more wells would be drilled to develop an irrigation supply for the Resort’s golf course.

9. PROPOSED WELL SECTION

Elevation at top of casing 232 ft., masl.

Ground Elevation: 230 ft., masl

Cement Grout: 190 ft.

Rock Packing: None ft.

Solid Casing:
- Material: Steel
- Length: 225 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Hole Diameter: 18 in.

Total Depth: 255 ft.

Casing: [ ] Perforated  [ ] Screen
- Material: Steel
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: None ft.
- Diameter: -- in.

*Approximate elevation at time of filing application. Ground elevation above mean sea level (masl) 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.
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE

FROM: RYAN
DATE: 10/21/04
SUSPENSE DATE: __________

TO: ANAKALEA, P.
BAUER, G.
CHING, F.
DANBARA, S.
FUJII, N.
GOODING, K.
HARDY, R.
HIGA, D.
ICE, C.
IMATA, R.
IZI, Y.
KUNIMURA, I.

TO: MATHIAS, T.
NAKAMA, L.
NAKANO, D.
OHYE, M.
SAKODA, E.
STAHL, K.
SUBIA, S.
SWANSON, S.
UYENO, D.
YODA, K.
YOSHINAGA, M.

WELL NUMBER 4855-01
WELL NAME Hualalai Makai Irv.

☐ WELL CONSTRUCTION

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 PUMP TEST
10 WCR I FORM

TO BE SENT TO APPLICANT
FOR OFFICE USE ONLY

☐ PUMP INSTALLATION

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 WCR II FORM
10 WUR FORM

TO BE SENT TO APPLICANT
FOR OFFICE USE ONLY

we previously issued a permit for 240 gpm. This one is 250 gpm.
November 3, 2004

Mr. Jay Uyeda
Kaupulehu Makai Venture
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Mr. Uyeda:

Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.
Mr. Jay Uyeda  
Page 2  
November 3, 2004

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

[Signature]

Peter T. Young  
Chairperson

Enclosure

c: Tom Nance
PUMP INSTALLATION PERMIT
Hualalai Makai Irrigation Well, Well No. 4659-01

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management’s Administrative Rules, Section 13-168, entitled “Water Use, Wells, and Stream Diversion Works”, this document permits the pump installation for Hualalai Makai Irrigation Well (Well No. 4659-01) at Makai side of Queen Kaahumanu Hwy, Hawaii, TMK 7-2-10: 11, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 250 gpm rated capacity or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. 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 a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

W. Roy Teatary

Date of Approval: October 22, 2004
Expiration Date: October 22, 2006

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $3000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: ____________
Printed Name: ___________________________ Firm or Title: ___________________________

Installer’s Signature: ___________________________ C-57, C-57a, or A License #: ____________ Date: ____________
Printed Name: ___________________________ Firm or Title: ___________________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments
C: USGS
Department of Health's Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Tom Nance
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96802

September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Harold Yee, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit
application.

We would appreciate your comments on the captioned application for any conflicts or
inconsistencies with the programs, plans, and objectives specific to your department. Please
respond by returning this cover memo form by October 22, 2004. If we do not receive
comments or a request for additional review time by this date, we will assume that you have no
comments.

Please find the attached maps to locate the proposed well. If you have any questions about
this permit application, request additional information, or request additional review time, please
contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or less 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 26, Rules Relating to Potable Water Systems, §11-20-29

[] This well does not qualify as a source serving a public water system (serves less than 25 people or serves at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable supplies with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[] For the applicant's information, a source of potable wastewater contamination [ ] is not located near the proposed well site (Information attached).

[] An NPDES permit is required.

[] Other relevant DOH rules/regulations, information, or recommendations are attached.

[] No comments/objections.

Contact Person: William Wong
Phone: 886-4258
Signed: William Wong
Date: SEP 21, 2004
September 9, 2004

TO: Dede Mamiya, Administrator
Land Division

FROM: Yvonne Y. Izu, Deputy Director
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ____________

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments: Original source of private title is Land Commission Award 7715:10 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: ___________________________ Date: OCT - 1 2004
STATE MESSENGER DELIVERY

Date: 09-16-2004

To: Commission on Water Resource Management
    Department of Land & Natural Resources
    State of Hawaii

From: Department of Health, Wastewater Branch, Planning & Design Section

Attn: Ryan Jimaha

Subject: Well No. 4859-01 Hualalai Makai

Well No.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 821
HONOLULU, HAWAII 96809

September 9, 2004

TO:

Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawakami, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM:

Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT:

Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

Lyn: ss
Attachment(s)

RESPONSE:

[ ]

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and shall receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-206(b).

[ ]

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections), and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition, then Director of Health approval is required prior to implementation.

[ ]

If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ]

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ]

For the applicant's information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

[ ]

An NPDES permit is required.

[ ]

Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ]

No comments/objections

Contact Person: Alec Wong
Phone: 586-4309

Signed: Alexa Wong
Date: 9/14/04
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

September 9, 2004

TO: Honorable Chiyoume L. Fukino, M.D., Director
   Department of Health
   Attention: Harold Yee, Wastewater Branch
             William Wong, Safe Drinking Water Branch
             Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
             Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit
application.

We would appreciate your comments on the captioned application for any conflicts or
inconsistencies with the programs, plans, and objectives specific to your department. Please
respond by returning this cover memo form by October 22, 2004. If we do not receive
comments or a request for additional review time by this date, we will assume that you have no
comments.

Please find the attached maps to locate the proposed well. If you have any questions about
this permit application, request additional information, or request additional review time, please
contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people
   at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply

[1] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year
   or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical
   presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source
   increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[1] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and
   backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by
   clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention
   devices should be routinely inspected and tested.

[1] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[1] For the applicant's information, a source of possible wastewater contamination [illegible] is not located near the proposed source
   (information attached).

[1] An NPDES permit is required.

[1] Other relevant DOH rules/regulations, information, or recommendations are attached.

[1] No comments/objections. NO RECORDS

Contact Person: Lani Kajiwara
Phone: 587-2944
Signed: Christ Kajiwara
Date: 09-16-2004
The Department of Health, Clean Water Branch has the following comments:

1. **For Well-Drilling Activities**

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. **For Well Pump Testing**

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: RYAN                      DATE: 16-Aug-04                      SUSPENSE DATE: 23-Aug-04
TO:                             INIT. TO: INIT. FOR: PLEASE:
_____________________________________________________________________________________
BAUER, G.                      NAKAMA, L.                          1 Approval
CHING, F.                      NAKANO, D.                          1 Signature
FUJII, N.                      NISHIOKA, L.                         3 Information

1 HARDY, R. 3 OHYE, M.       2 SAKODA, E.                     Type Draft acknow letter
HIGA, D.                      SUBIA, S.                       Type Final w/elec.signat., label file folder
HIRANO, E.                    SWANSON, S.                  1 Copy
ICE, C.                       UYENO, D.                        File
IMATA, R.                     YODA, K.                         Xerox copies
IZU, Y.                       YOSHINAGA, M.

WELL NUMBER 4859-01            WELL NAME Hualalai Makai Irrigation
☐ WELL CONSTRUCTION            ☑ PUMP INSTALLATION            ☐ BOTH

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 CWRM MAP
3 APPL. FORM (5 COPIES)
☐ 4 USGS MAPS (5 COPIES)
☐ 5 TAX MAPS (5 COPIES)
6 PARCEL OWNER VERIF.
☐ 7 CONTRACTOR VERIF.
8 ALL INFO FILLED IN
9 BACKGROUND CHECK
☐ 10 $25 FEE DEPOSIT SLIP
11 DHP, SMA, EA check

FOLDER: ☐ MADE NEW FILE FOLDER, ATTACHED
☐ FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:

DATE ACTION

new TMK must have subdivided.

SMA? 9-8-04 Not needed; per T. Nance.
Mr. Jay Ueda  
Kaupulehu Makai Venture  
P.O. Box 1119  
Kailua-Kona, 96745  96745  

Dear Mr. Ueda:  

Pump Installation Permit Application for Well No. 4859-01  

We acknowledge receipt, on September 8, 2004, of your completed Pump Installation permit application and filing fee for the Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from this date.  

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.  

Sincerely,  

[Signature]

YVONNE Y. IZU  
Deputy Director  

LYN:ss  

c: Rick Robinson, Kamehameha Schools
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 521  
HONOLULU, HAWAII 96809  

September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director  
Department of Health  
Attention: Harold Yee, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss  
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [ ] is not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: ___________________________ Phone: ________________

Signed: ___________________________ Date: ________________
September 9, 2004

TO: Dede Mamiya, Administrator
    Land Division

FROM: Yvonne Y. Izu, Deputy Director
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:
[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.
[ ] A water lease/permit is not required of this applicant.
[ ] A water lease/permit has been obtained by the applicant through lease no. ____________________________.
[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.
[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.
[ ] No objections
[ ] Other comments:

Contact Person: ____________________________ Phone: ______________

Signed: ________________________________ Date: ______________
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 521
HONOLULU, HAWAII 96809

September 9, 2004

TO: 
Holly McEldowney, Acting Administrator
Historic Preservation

FROM: 
Yvonne Y. Izu, Deputy Director
Commission on Water Resource Management

SUBJECT: 
Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: __________________

Signed: ___________________________ Date: __________________
**PUBLIC RECORD DATA**

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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
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REMARKS:
LINE (1) Edward Paradis Well, tmk: 2-7-38:10
LINE (2) Moomuku - 1 Well, tmk: 2-1-005:026
LINE (3) Hualalai Makai Irrigation Well, tmk: 7-2-10:11
LINE (4) 
LINE (5) 
LINE (6) 
LINE (7) 
LINE (8) 
LINE (9) 
LINE (10)
Mr. Ernest Y.W. Lau
Deputy Director
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Lau:

Pump Installation Permit Application for
Hualalai Makai Irrigation Well (State No. 4859-01)
North Kona, Hawaii

On behalf of the Kaupulehu Makai Venture, I am pleased to provide this permit application and $25 filing fee for the pump installation permit application for Hualalai Makai Irrigation Well (State No. 4859-01) on TMK 7-2-10:11 in the Hualalai Resort. If you have any questions or require additional information, please feel free to call me or Jay Uyeda at 808-325-8191. Thank you for your consideration.

Sincerely,

[Signature]

Tom Nance

cc: Jay Uyeda

Attachments
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT
7-20-04
03-22
□ Well Construction and/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 521, Honolulu, Hawaii 96809. Application must be accompanied by 5 copies and a non-refundable filing fee of $25.00 payable to the State of Hawaii. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. For further information and updates to this application form, visit http://www.state.hi.us/dlnr/cwm.

APPLICANT INFORMATION: (Fill out all three, if applicable, and place a check next to the primary contact)

1. (a) □ WELL OWNER: Kaupulehu Makai Venture Contact Person: Jay Uyeda
   Mailing Address: P.O. Box 1119 Kailua-Kona, Hawaii 96745
   Phone: 808-325-8191
   Fax: 808-325-8195
   E-mail: 

(b) □ LAND OWNER: Kamehameha Schools
   Mailing Address: 567 South King Street - Suite 200 Honolulu, Hawaii 96813
   Contact Person: Rick Robinson
   Phone: 808-322-5300
   Fax: 
   E-mail: 

(c) □ CONTRACTOR: To be Competitively Bid
   Contact Person: 
   Phone: 
   Fax: 
   E-mail: 
   Lic #: (circle one: C-57, C-57a, or A)

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: Along Makai Side of Queen Kaahumanu Hwy
   Tax Map Key: 7-2-10-11
   Zone: Sec: Pat: Parcel
   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK: (check all that apply)
   □ Construct New Well
   □ Modify Existing Well
   □ Abandon/Seal
   *State Well No.: 4859-01 (if unknown, please call Commission at 587-0225)
   *Note: If new well is constructed, an application to install new pump will be required.

4. CONSTRUCTION:
   □ Drilled
   □ Dug
   □ Shaft
   □ Tunnel
   Is this well part of a battery of wells? □ Yes □ No (Please describe)

5. PROPOSED PUMPING RATE: 250 gallons per minute

6. PROPOSED USE: (check all that apply)
   □ Municipal (including hotels, stores, etc.)
   □ Industrial
   □ Domestic (individual, noncommercial water system)
   □ Yes □ No
   Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections?
   □ Drilled
   □ Abandoned
   □ Irrigation crop
   □ Other (explain): Construction Water
   No. of Acres: 

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 100,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      □ Flowmeter
      □ Open-pipe
      □ Weir
      □ Orifice
      □ Orifice (explain)

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: Not Required
   If required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OIEC at 586-4185
   Special Management Area Permit (SMAP) To determine if a SMAP is necessary, call DLNR Historic Preservation
   Archeological requirements:
   (if space is needed, please attach additional sheet)

9. ARCHEOLOGICAL REQUIREMENTS:
   To find out if an archeological work is required, call DLNR Historic Preservation
   Date: 7-30-04
   Signature: 

For official use only:
Latitude: 
Longitude: 
Aquifer System No. 
State Well No. 
WCPA/PA Form 7/17/03
TRANSMITTAL

To: State of Hawaii
   Department of Land and Natural Resources
   Attn: Michael D. Wilson, Chairperson
   COMMISSION ON WATER RESOURCE MANAGEMENT
   Post Office Box 621
   Honolulu, Hawaii 96809

Date: 11/07/95

Re: Hualalai Makai Irrigation Well No. 4859-01
    Hualalai Saltwater Wells Nos. 4959-01 to 04

We are Sending: Attached

Description:
   Executed Pump Installation Permit for Hualalai Makai Irrigation Well No. 4859-01
   Executed Well Construction/Pump Installation Permits for Hualalai Saltwater
   Wells Nos. 4959-01 to 04.

These are Transmitted as Checked Below:

___ For Approval
___ For Your Use
___ As Requested
___ For Review & Comment
___ Approved as Submitted
___ Approved as Noted
___ Returned for Corrections
___ Other

Remarks:

Copy to: M. Swanson

Signed: John Mansour

P.O. Box 1119, Kailua-Kona, Hawaii 96745
(808) 325-0808  FAX (808) 325-1400
Courier: Four Seasons Site
Queen Kaahumanu Highway, North 87 Mile Marker
Kaupulehu-Kona, Hawaii 96740
PUMP INSTALLATION PERMIT

for
Hualalai Makai Irrigation Well
Well No. 4859-01

To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
PUMP INSTALLATION PERMIT
Well No. 4859-01

date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

Michael D. Wilson, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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: [Signature]
Printed Name: Michael T. Swanson
Firm or Title: V.P. Construction

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

Attach.
cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
Do we have the pump test results & production water use reports?

If not, request GWRM to have applicant submit.

Need elev. survey
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96809

PUMP INSTALLATION PERMIT
for
Hualalai Makai Irrigation Well
Well No. 4849-01

To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
date the permit expires. If the commencement or completion date is not met, the
Commission may revoke the permit after giving the permittee notice of the proposed
action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the
Commission at its October 18, 1995 meeting are incorporated into the permit by
reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping
test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate
mitigation measures to prevent construction materials from blowing, leaching, draining,
or entering the aquatic environment. Land clearing for construction should be followed
as soon as possible by replanting to prevent erosion.

[Signature]

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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

Attach.
cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 821
HONOLULU, HAWAII 96809

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for a Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)
Installation of a 240 gpm Pump
for golf course use,

TMK 7-2-3:6 Kaupulehu, North Kona, Hawaii

Applicant:

Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Landowner:

Same

Action Requested: Permission to install a 240 gpm pump in Hualalai Makai Irrigation Well, to be used for golf course irrigation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona, at Tax Map Key 7-2-3:6 (see Attachment A).

Well Description (see Attachment B):

- Ground elevation: 249 ft.
- Hole diameter: 18 in.
- Solid casing depth: 250 ft.
- Screen casing depth: 20 ft.
- Open hole: none
- Total depth: 270 ft.
- Anticipated pump size: 240 gpm

Agency Review: The application was circulated to the State DLNR's Divisions of Historic Preservation and Aquatic Resources, the Office of Hawaiian Affairs, the Departments of Hawaiian Home Lands and Health, Hawai'i County Department of Water Supply, and to the Sierra Club Legal Defense Fund.

Historic Preservation commented that Hualalai Development Company has yet to complete a preservation plan; they recommend deferral of approval until they are able to evaluate proposed wells in relation to historic sites. Aquatic Resources noted the project's proximity to coastal waters, suggesting that mitigation measures be taken to prevent drill
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 240 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

The applicant shall conduct a 48-hour step drawdown and a seven-day continuous pumping test, according to standard aquifer test procedures (Attachment D).

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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96809

STAFF SUBMITTAL
for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for Well Construction/Pump Installation Permits
Hualalai Saltwater Wells (Well Nos. 4959-01 to 04)
Construction of four 12-inch diameter, 100-foot deep Wells
and Installation of 850-gpm Pumps
for seawater pond circulation

       TMK 7-2-3:4 & 5 Kaupulehu, North Kona, Hawaii

Applicant:             Landowner:
Hualalai Development Company             Same
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Action Requested: Expedited permission to construct four 12-inch diameter, 100-foot deep wells, and installation of 850-gpm pumps in Hualalai Saltwater Wells 1-4, for seawater pond circulation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona at Tax Map Key 7-2-3:4 & 5 (see Attachment A).

Well Description: (see Attachment B)

- Ground elevation: 9 & 11 ft.
- Hole diameter: 16 in.
- Solid casing depth: 50 ft.
- Screen casing depth: 50 ft.
- Open hole: none
- Total depth: 100 ft.
- Anticipated pump size: 850 gpm

AGENDA 1
Item 8
Staff Submittal

October 18, 1995

1. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Respectfully submitted,

Edwin I. Suborga

For: RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
Ms. Kim Richards
Hualalai Development Co.
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Ms. Richards:

Well Construction Permit Applications
Hualalai Saltwater Wells (Well Nos. 4959-01 thru 03)
Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

We acknowledge receipt, on July 24, 1995, of your completed well construction
permit applications for Hualalai Resort Salt Water Wells 1, 2, and 3 (Well Nos. 4959-01
thru 03), and pump installation permit application for Hualalai Makai Irrigation Well (Well
No. 4859-01). You can expect your application to be processed within ninety (90) days
from the date of receipt.

We have been informed by your consultant, Mr. Tom Nance, that due to ongoing
construction at these well sites, you are requesting an expedited processing of the Saltwater
Well permits. As required by §13-168-12(c):

"The Commission may issue or cause to be issued a permit only if the proposed construction
complies with all applicable laws, rules, and standards. Before an application for a well
construction permit is approved by the department, the Commission shall cause such
application to be reviewed by the Department of Health [DOH] for compliance with their
rules and standards concerning, among other things, the appropriateness of the well location."

We are requesting DOH to respond by September 14, 1995, which is a shorter period
than is normally required. You may wish to call DOH, Mr. Tom Arizumi, at 586-4304, to help
expedite their review.

If you have any questions about your well construction permit applications, please
contact Mr. Charley Ice of the Commission staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Cc: Kamehameha Schools/Bishop Estate
Water Resources International, Inc.
Tom Nance, TNWRE
TO:  
Honorable Lawrence Miike, Director  
Department of Health  
Attention: Mr. Dennis Tulang, Wastewater Branch  
Mr. William Wong, Safe Drinking Water Branch  

Honorable Kali Watson, Chairman  
Hawaiian Homes Commission  

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

Mr. Milton Pavao, Manager  
Hawaii Department of Water Supply  

Ms. Donna Fay K. Kiyosaki, Manager and Chief Engineer  
County of Hawaii, Department of Public Works  

FROM:  
Michael D. Wilson, Chairperson  
Commission on Water Resources Management  

SUBJECT:  
Well Construction Permit Applications for  
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (Well No. 4859-01)  

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Cl: ss  
Attachment(s)  

Response:  

( ) We have no objections  
( ) Comments attached  

Contact Person: ____________________________ Phone: ________________  

Signed: ____________________________ Date: ________________
TO: Don Hibbard, Administrator  
Division of Historic Preservation

William Devick  
Division of Aquatic Resources

Marjorie Ziegler  
Sierra Club Legal Defense Fund

David Martin  
Native Hawaiian Advisory Council

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

SUBJECT: Well Construction Permit Applications for  
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Class  
Attachment(s)

Response:

( ) We have no objections  
( ) Comments attached

Contact Person: _______________________________ Phone: _______________________________

Signed: _______________________________ Date: _______________________________
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, HI 96745-1119
808-325-0808
808-325-1400 (fax)

*** Facsimile Transmission ***

To: Mr. Roy Hardy
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii

F. No: 808-587-0219

From: Jeff Mongan

Date: August 24, 1995

Re: Well Construction and Pump Installation Permit Application For
Irrigation and Saltwater Circulation Wells at Hualalai Resort

No. of Pages (incl. cover) 2

Message:

Dear Mr. Hardy:

Attached is the information you requested regarding the County zoning designations and
clarification of the T.M.K. parcel numbers for the above referenced applications.

Please call me if you have any further questions.

Sincerely,

Jeffrey J. Mongan

cc: Tom Nance
    Roger Harris
9. PROPOSED WELL SECTION
(See Attached Well Plan and Section)

Elevation at top of casing 12 ft., msl.

Cement Grout: 45 ft.

Rock Packing: 55 ft.

Ground Elevation: 11 ft., msl*

Solid Casing:
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.

Casing:
- Perforated
- Screen
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: None
- Diameter: None

*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.

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

APPLICATION FOR PERMIT

6-26-95

☐ Well Construction  ☐ Pump Installation

94-50

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 96806. 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 587-0223.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
(a) WELL OWNER
   Firm/Name: Hualalai Development Company
   Contact Person: Kim Richards
   Address: P.O. Box 1119
   Kailua-Kona, Hawaii 96745
   808-325-0808
(b) LANDOWNER: Kamehameha Schools/BP
   Firm/Name: Bishop Estate
   Contact Person: Ms. 523-6200
   Address: 587 South King Street, Suite 200
   Honolulu, Hawaii 96814

(c) CONTRACTOR
   Firm/Name: Water Resources Int'l, Inc.
   Address: 1100 Alakea Street, Suite 2900
   Honolulu, Hawaii 96813
   521-8422
   Contractor's C-77 License No. AC-5058

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address (Just makai of Queen Kahanamu Tax Map Key: 7-2-03-6
   (Attach a USGS map, scale 1" = 2000, and a property line map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: □ Drill New Well  □ After Location
   □ Modify Existing Well  □ Redrill  □ 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 list on the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 240 gallons per minute
   Pump Type: □ Deep Well Turbine  □ Rotary  □ Propeller  □ Impulse
   □ Submersible  □ Rotary-Displacement  □ Reciprocating  □ Electric, rated horsepower of 40 HP

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)
   □ Domestic (individual, noncommercial water system)
   □ Irrigation (prop)
   □ Golf Course
   □ State Land Use District: □ Urban  □ Agriculture  □ Rural  □ Conservation
   County Zoning (describe)
   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   □ Flow-meter  □ Open-pipe  □ Office Plate  □ Well

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

8. REMARKS, EXPLANATIONS:
   See Reverse Side

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Date

Well Owner: Hualalai Development Co.
Landowner: Kamehameha Schools/BP
Contractor: Bishop Estate

Signature: 7-21-95
Date: 7-21-95
Signature: 7-21-95
Signature: 7-21-95
HUALALAI DEVELOPMENT COMPANY
WELL CONSTRUCTION/PUMP INSTALLATION PERMIT APPLICATIONS
HUALALAI RESORT
24-Aug-95

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<th>TAX MAP KEY PARCEL NUMBER</th>
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<td>4959-01</td>
<td>V-2.25 (RESORT)</td>
<td>7-2-03: 4</td>
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<td>4959-02</td>
<td>V-2.25 (RESORT)</td>
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<tr>
<td>4959-03</td>
<td>V-2.25 (RESORT)</td>
<td>7-2-03: 5</td>
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8. **REMARKS, EXPLANATIONS:** Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. **PROPOSED WELL SECTION**

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

APPLICATION FOR PERMIT

APPLICATION FOR PERMIT 6-26-95

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: Hualalai Development Company
   Contact Person: Kim Richards
   Address: P.O. Box 1119
             Kailua-Kona, Hawaii 96745
   Phone: 808-325-0808
   (b) LANDOWNER: Kamehameha Schools/BP Bishop Estate
   Firm/Name: Kamehameha Schools/BP Bishop Estate
   Contact Person: Ph: 523-6200
   Address: 567 South King Street, Suite 200
             Honolulu, Hawaii 96813
   (c) CONTRACTOR
   Firm/Name: Water Resources Intl. Inc., 531-8422
   Contractor’s C-57 License No.: AC-5058
   Address: 1100 Alakea Street, Suite 2300
             Honolulu, Hawaii 96813

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address (Just makai of Queen Kaahumanu
   Highway)
   Tax Map Key: 7-2-03-6
   (Attach a USGS map, scale 1" = 2000', and a property line map showing well location referenced to established property boundaries)

3. (a) PROPOSED WORK: [ ] Drill New Well
       [ ] Alter Location
       [ ] Modify Existing Well
       [ ] Redrill
       * 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)

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 240 gallons per minute
   Pump Type:
   [ ] Deep Well Turbine
   [ ] Submersible
   [ ] Centrifugal
   [ ] Rotary
   [ ] Rotary-Displacement
   [ ] Rotary-Gear
   [ ] Propeller
   [ ] Reciprocating
   [ ] Impulse
   Motor:
   [ ] Diesel
   [ ] Gas
   [ ] Electric, rated horsepower of 40 HP

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
    (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:
   See Reverse Side

---

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 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 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 negate the pump capacity or future use of the permitted pump capacity.

Well Owner: Hualalai Development Co.  Landowner: Kamehameha Schools/BP Bishop Estate  Contractor:
Signature: ____________________________  Signature: ____________________________  Signature: ____________________________
Date: 7-21-95  Date: 7-21-95  Date: ____________________________

For Official Use Only:
Date Received: ____________________________
Date Accepted: ____________________________
Field Checked By: ____________________________
Date: ____________________________
Longitude: ____________________________  Latitude: ____________________________
Aquifer System Name: 50902  State Well No. ____________________________
6-18-95 9-40
8. REMARKS, EXPLANATIONS: Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. PROPOSED WELL SECTION

- Elevation at top of casing: 250.75 ft., msl
- Cement Grout: 220 ft.
- Rock Packing: None ft.
- Hole Diameter: 18 in.
- Total Depth: 270 ft.

- Ground Elevation: 248.95 ft., msl

- Solid Casing:
  - Material: Steel
  - Length: 250 ft.
  - Diameter: 10" ID
  - Wall thickness: 0.312 in.

- Casing:
  - □ Perforated
  - ■ Screen
  - Material: Steel
  - Length: 20 ft.
  - Diameter: 10" ID
  - Wall thickness: 0.312 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.
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MARKS:  
LINE (1) Hualalai Makai Irrigation Well  
LINE (2) Hualalai Resort - Saltwater Well No. 1  
LINE (3) Hualalai Resort - Saltwater Well No. 2  
LINE (4) Hualalai Resort - Saltwater Well No. 3
PAY

** Twenty-five and 00/100 **

DOLLARS $25.00

TO THE ORDER OF Department of Land and Natural Resources

Signature

---

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

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</table>
Mr. Mike Wilson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii  96809

Dear Mr. Wilson:

Well Construction and Pump Installation Permit Applications For Irrigation and Saltwater Circulation Wells at Hualalai Resort

Enclosed are a pump installation permit application for Well 4859-01 and three combined well construction and pump installation permit applications for saltwater circulation wells, all to be located within Hualalai (formerly Kaupulehu) Resort in North Kona, Hawaii. Well 4859-01 is an existing brackish well located just makai of Queen Kaahumanu Highway. It would be used to supplement the supply from the Resort’s two mauka irrigation wells (State Nos. 4757-01 and -02) to irrigate the Resort’s golf course and roadway landscaping.

The three saltwater circulation wells would be located in the lowlying, nearshore area of the Resort. These would be used to speed up the natural turnover rate in three brackish to saline, nearshore water features, thereby improving water clarity and limiting algae growth. Drawings of the proposed skimming-type well construction are enclosed with the applications.

If you have any questions of these applications, feel free to call Roger Harris at Hualalai Development Company (808-325-0808) or me.

Sincerely,

Tom Nance

Enclosures

cc:  Roger Harris - HDC
** Twenty-five and 00/100 **

** DOLLARS $25.00 **

TO

THE

ORDER

OF

Department of Land and Natural Resources

---

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

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<td>Job No. 94-50: Hualalai Makai Irrigation Well Filing Fee For Pump Installation Permit Application</td>
<td>$25.00</td>
</tr>
</tbody>
</table>
**WELL COMPLETION REPORT**

**INSTRUCTIONS:** Please print or type and submit completed report within 30 days of well completion to the Division of Water Resource Management, P.O. Box 979, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis, if available, should also be submitted. If necessary, phone 548-2540. Hydrology, Geology Section for assistance.

A. STATE WELL NO. 4859-01  
B. LOCATION KAUFULUHU FOUR SEASONS KONA  
C. WELL OWNER KAUFULUHU LANE CO  
D. DRILLING OR PUMP INSTALLATION CONTRACTOR ROSSCO MOSS HAWAII, INC.  
E. TYPE OF RIG ROTARY  
F. DATE OF WELL COMPLETION FEB 1994  
G. GROUND ELEVATION (ft) 249.5  
H. TOTAL DEPTH OF WELL BELOW GROUND 270  
I. HOLE SIZE: 18 inch dia. from 0 ft. to 270 ft. below ground  
J. CASING INSTALLED: 10 in. I.D. x .312 in. wall solid section to 250 ft. below ground  
K. ANNULUS: Grouted from 0 ft. to 220 ft. below ground  
L. PERMANENT PUMP INSTALLATION: Capacity 1000 gpm  
M. PROPOSED USE:  
N. INITIAL WATER LEVEL 247.9 ft. below ground.  
O. INITIAL CHLORIDE 5 ppm  
P. PUMPING TESTS: Reference point (R.P.) used: Which elevation is  
Q. DRILLER’S LOG:  

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<td>257 to 264</td>
<td>VERY SOFT</td>
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<td>310 to 410</td>
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**REMARKS:**

Submitted by (print) L. B. RUNNELL  
Title PRESIDENT  
Signature L. B. RUNNELL  
Date March 1, 1994  

FOR OFFICIAL USE  
Latitude 19° 48’ 59’’  
Longitude 155° 59’ 01’’  
Well No. 4859-01  

FOR DRILLER’S USE  
Job Name  
Job No.
**PUMPING TEST RECORD**

for

*Kaupulehu Land Co.*  
*Well* #1  
*(Name)*  
*(No.)*

*Project or Job No.* 31-93R 19 94

**Description of Well—**

1. Elevation: ground surface ? ft., top of casing ? ft.,  
   rotary table ? ft., referenced to *Ground benchmark.*
2. Total depth of well 270 ft.; or ? ft. elevation, msl
3. 10 in. solid casing to 250 ft. depth, perforated to 270 ft. depth  
   surface, top of casing, or ? ft. elevation msl  
   measured Air line method

**Description of Pump and Pump Setting—**

5. Turbine type pump with 10 stage bowl assembly
6. Gasoline diesel, electric, power with 65 horsepower
7. Shaft speed: 3000 rpm at 700 gpm flow
8. Depth of pump intake: 266.3 ft. below ground; or ? ft. elev. msl
9. Depth of air line bottom: 261 ft. below ground; or ? ft. elev. msl

**Test conducted by** Rodney Couch

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<th>Airline PSI (feet)</th>
<th>Drawdown (feet)</th>
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Sheet No. 1 of _____ Sheets
PUMPING TEST RECORD

for

Kaupulehu Land Co.  Well #1

(name)  (No.)

Kaupulehu  Island  Hawaii  Project or Job No.  31-93R 1994

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December 13 1993

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

Dear Commission,

Enclosed please find a copy of our signed well construction permit #4859-01. Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

[Signature]

John Mansour
Assistant Project Manager
WELL CONSTRUCTION PERMIT

for

Kaupulehu Resort Well
Well No. 4859-01
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
December 9, 1993

Mr. Keith Ahue
Chairperson
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
Honolulu, HI 96809

Dear Keith,

In accordance with our Well Construction Permit for Kaupulehu Resort, Well No. 4859-01, Kaupulehu, North Kona, Hawaii, we are notifying your department of our intent to begin construction within the next week.

Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager

cc:  M. Swanson
     R. Harris
     G. Fukumitsu

issued 1/26/93
MEMORANDUM

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

FROM: Don Hibbard, Administrator
   State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Kaupulehu Land Company
         (Well No. 4859-01)
         Kaupulehu, North Kona, Island of Hawai‘i
         TMK: 7-2-03; 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

In response to our Memorandum, dated August 30, 1993, to your office requesting additional locational
information for the subject well, Kaupulehu Land Company has submitted a map to our office showing the
location of the well with respect to significant historic sites identified in the property. The map clearly
indicates that the well location is well away from any of the significant historic sites. Hence, the subject
action will have "no effect" on historic sites.

fc: Roger Harris, Kaupulehu Land Company

KS:III
REF: WRM-KY

TO: Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745

The Commission on Water Resource Management (Commission), on July 28, 1993, approved a permit for the construction and testing of Kaupulehu Resort Well (Well No. 4859-01). We have recently received comments from the State Historic Preservation Division (SHPD) concerning your project. Enclosed are the comments from the SHPD. We would appreciate your contacting them to find out what steps are required to satisfy their concerns. Condition 6 of our permit states:

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

We appreciate your cooperation in this matter.

Very truly yours,

Keith W. Ahue

Enclosure

c: State Historic Preservation Division
MEMORANDUM

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

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Well No. 4859-01,
Kaupulehu Land Co.
Kaupulehu, North Kona, Island of Hawaii
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

Our Tax Map Key Map Volume does not show the subject parcel; however, the property is within a section (TMK: 7-2-03: 001) of Kaupulehu ahupua'a that underwent archaeological inventory survey in 1989 by the consulting archaeologist firm of Paul H. Rosendahl, Inc. Two trail sections, one oriented mauka-makai (site no. -10977) and the other paralleling the shoreline (site no. 10783), were identified during the survey in the vicinity of the proposed well site No. 4859-01. These two trail sections were recommended for preservation as part of the mitigation plan (Jensen and Rosendahl 1989: "Archaeological Mitigation Program, Kaupulehu Makai Project, Land of Kaupulehu, North Kona District, Island of Hawaii") to allow development of the parcel. This current undertaking should conform with those preservation commitments.

We cannot determine from the location map accompanying the application just where the well will be constructed with respect to the location of the two preserved trail sections. Hence, we recommend that no action be taken on the subject application until we can clearly establish the location of the preserved trails with respect to the well location, to ensure that the well construction will have "no adverse effect" on the preserved trails. This can be accomplished either of two ways. A field check could be undertaken by our staff archaeologist to ascertain the location of the well will not impact the trails in any way or a location map could be furnished our office by the applicant(s) clearly showing the locations of the well and the two trails to the degree
that it can be determined that the trails will not be impacted at all by the well construction. Our office is amenable to either option.

If the well project would impact either of the two trails then the well project would have to be relocated to conform with the prior mitigation commitments.

For further assistance, please contact Kanalei Shun at 587-0007.

KS:amk
WELL CONSTRUCTION PERMIT

for

Kaupulehu Resort Well
Well No. 4859-01
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   
   a. Well Completion Report.

   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
c. As-built sectional drawing of the well.

d. Plot plan and map showing the exact location of the well.

e. Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

____________________________________
KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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.

enclosure
c: USGS
   Department of Health
   Safe Drinking Water Branch
   Ground Water Protection Program
   Wastewater Branch
   State Historic Preservation Division
   Hawaii Department of Water Supply
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kaupulehu Land Company
Application for a Well Construction Permit
Kaupulehu Resort Well (Well No. 4859-01)
Kaupulehu, North Kona, Hawaii

Applicant: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

Landowner: Same

Action Requested: Permission to construct and test Kaupulehu Resort Well (Well No. 4859-01) for golf course irrigation use. The proposed amount of use is 175,000 gallons per day (0.175 mgd).

Well Location: The proposed well will be located at the Kaupulehu Resort, Hawaii (see attached map) at Tax Map Key: 7-2-03: 6.

Well Description:

Ground elevation: 230+ ft.
Casing diameter: 12 inches
Solid casing depth: 225 ft.
Screen casing depth: 255 ft.
Open hole: none
Total depth: 255 ft.
Grouted annulus: 0 to 190 ft.
Proposed pump capacity: 200 gpm

Agency Review: The application has been sent to the Hawaii County Departments of Water Supply and Public Works, the State Historic Preservation Division, the Office of Hawaiian Affairs, and to the State Departments of Health and Hawaiian Home Lands for review. There have been no objections to the project.

Analysis: The well is expected to develop brackish basal ground water. The well could possibly adversely affect Kona Villages Wells (Well Nos. 4858-01 to 03) located about 5,800 ft. southeast (upgradient). The applicant will be required to determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

Water Availability. The well will be located in the Hualalai Sector, Kiholo Aquifer System of Hawaii. Sustainable yields for the Kiholo System and the Hualalai Sector are estimated at 18 mgd and 56 mgd respectively. Existing use from the Hualalai Sector is about 10 mgd. Water needs from the Hualalai Sector are estimated to be 38 mgd by the year 2010. The well is not listed in the Hawaii Water Use and Development Plan.
Chairperson and Members  
Commission on Water Resource Management  

July 28, 1993

RECOMMENDATION:

That the Commission on Water Resource Management (Commission) approve the issuance of a well construction permit for Kaupulehu Resort Well subject to the following conditions:

1. The Commission shall be notified before work commences.

2. The permit shall be for construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

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4. The applicant shall determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

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   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

8. 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.

Respectfully submitted,

[Signature]

RAE M. LOUI  
Deputy Director

Attach.

APPROVED FOR SUBMITTAL:

[Signature]

KEITH W. AHUE

-2-
Chairperson and Members
Commission on Water Resource Management

July 28, 1993

ITEM 7  COUNTY OF MAUI, DEPARTMENT OF PARKS & RECREATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, LAHAINA CIVIC CENTER WELL (WELL NO. 5441-01), LAHAINA, MAUI

The date in condition no. 8 was corrected to July 28.

Unanimously approved with amendment of revised date. (Nakata/Cox)

ITEM 8  KAPALUA LAND COMPANY, APPLICATION FOR A PUMP INSTALLATION PERMIT, KAPALUA 2 (WELL NO. 5938-03), HONOKAHUA, MAUI

Mr. Cliff Jamille, applicant, had no objections to the conditions or recommendations.

Unanimously approved. (Cox/Nakata)

ITEM 9  LANAI COMPANY, INC., APPLICATION FOR A PUMP INSTALLATION PERMIT, LANAI WELL 12 (WELL NO. 4552-01), LANAI

Mr. Vince Bagoyo stated that corrections be made in the usage. In addition to dust control and golf course irrigation, the proposed usage will also be used for other landscaping irrigation.

Mr. Penn asked questions and made comments. See Commission file.

Mr. Cox recommended approval as amended to add landscape irrigation as a proposed usage.

Unanimously approved as amended. (Cox/Nakata)

ITEM 10  JON F. ANDERTON, APPLICATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, ALIOMANU-ANDERTON WELL (WELL NO. 0919-04), ALIOMANU, KAUAI

Unanimously approved. (Cox/Nakata)

ITEM 11  KAUPULEHU LAND COMPANY, APPLICATION FOR A WELL CONSTRUCTION PERMIT, KAUPULEHU RESORT WELL (WELL NO. 4859-01), KAUPULEHU, NORTH KONA, HAWAII

Mr. Tom Nance, consultant representing Kaupulehu Land Company, stated that this is purely an exploratory effort.

Mr. Penn presented testimony. See Commission file.

The applicant was requested to discuss the project and potential impacts with interested persons in the area.

Mr. Fujimura made a motion to amend recommendation 4 to include the determination of effects on ponds and dug wells.

Unanimously approved to accept recommendations as amended. (Fujimura/Cox)
The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii  96809

Dear Mr. Ahue:

Well and Pump Applications

Thank you for the opportunity to comment on the following applications:

**Maui:**
- Lahaina Civic Center  (5441-02)
- Kapalua #2  (5938-03)
- Wailea #6A  (4026-07)

**Kaua'i:**
- Aliomanu  (0919-04)

**Hawaii:**
- Hawi #2  (7349-01)
- Kaupulehu  (4859-01)

The Department of Hawaiian Home Lands has no objections to these projects.

We note the Anderton application (Aliomanu), with interest, as an opportunity to learn more about the groundwater resource of northeastern Kaua'i, between the Anahola and Moloaa tracts of Hawaiian home lands.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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<td>Kauai</td>
<td>Aliomanu-Anderton</td>
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<td>Well and Pump</td>
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<td>Hawi Wells 2A</td>
<td>F7349-01F</td>
<td>Pump Installation</td>
</tr>
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<td>Kaupulehu Resort</td>
<td>4859-01F</td>
<td>Well Construction</td>
</tr>
</tbody>
</table>

Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko  
Enc.
Response:

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

Contact Person: Ed Yoshida
Phone: 961-8327

Signed: Ed Yoshida
Date: 7/1/93
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii  96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

<table>
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<tr>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

J7:ko  
Enc.
Response:

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

Contact Person: ___________________________ Phone: ____________

Signed: _________________________________ Date: ____________
MEMORANDUM

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

   Mr. Clayton H.W. Hee, Chairman & Trustee At Large
   Office of Hawaiian Affairs

FROM: Keith W. Ahue, Chairperson

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s), pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Enc.

Response:

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

Contact Person: ___________________________ Phone: __________

Signed: ___________________________ Date: __________
Ms. Marjorie Ziegler  
Sierra Club Legal Defense Fund, Inc.  
212 Merchant Street, Room 202  
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director

JZ:ko  
Enc.
Response:

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

Contact Person: ____________________________ Phone: ____________

Signed: ____________________________ Date: ____________
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
Department of health  
Five Waterfront Plaza  
500 Ala Moana Blvd., Suite 250  
Honolulu, Hawaii 96813

Attn:  Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko  
Enc.
MEMORANDUM

TO:       Dr. Don Hibbard, Director
          Historic Preservation Division

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

SUBJECT:  Well Construction & Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 15 1993**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

JZ:ko
Enc.

Response:

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

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ______________
Mr. Kim Richards  
Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745  

Dear Mr. Richards:

We have received your application and filing fee for a permit to construct Kaupulehu Resort Well (Well No. 4859-01) in North Kona, Hawaii (TMK 7-2-03:6). We are reviewing the application for completeness.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko
May 12, 1993
93TN-087 (93-25)

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

Dear Ms. Loui:

Well Drilling Permit Application for
Kaupulehu Resort in North Kona, Hawaii

We are pleased to submit the enclosed well drilling permit and $25 filing fee on behalf of Kaupulehu Land Company (KALACO). The application is to construct and test a well within the Kaupulehu Resort property to determine if water of adequate quality for irrigation can be developed from the underlying brackish basal lens. If the results are acceptable, up to three more wells may be drilled to irrigate the Resort's golf course.

Please feel free to contact me or Jeff Mongan at KALACO (325-0808) if you have any questions. Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc: Jeff Mongan - KALACO

Enclosures
PAY ** TWENTY FIVE DOLLARS NO CENTS ** DOLLARS $25.00

TO THE ORDER OF

DEPARTMENT OF LAND AND NATURAL RESOURCES

TWNRE, INC.

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/12/93</td>
<td>TNWRE PROJECT: 93-2500.0 FILING FEE</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

KAUPULEHU Resort
WELL
APPLICATION FOR PERMIT

4-29-93

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: Kaupulehu Land Company
      Contact Person: Kim Richards
      Address: P.O. Box 1119
      Kailua-Kona, Hawaii 96745

   (b) LANDOWNER
      Firm/Name: Kamehameha Schools/B. P. Bishop Estate
      Contact Person: P.O. Box 523-5-2000
      Address: 567 South King Street
      Honolulu, Hawaii 96813

   (c) CONTRACTOR
      Firm/Name: Roscoe Moss Hawaii, Inc.
      Address: 91-259 Olai Street
      Ewa Beach, Hawaii 96707

2. WELL LOCATION/NAME: Kaupulehu Resort
   Address: No street address; just makai of Mamalahoa Highway
   Tax Map Key: 7-2-03-6
   Island: Hawaii
   (Attach a USA geodetic map, scale 1:2000, and a property tax map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
      - Drill New Well
      - Modify Existing Well
      - Install New Pump
      - Deepen
      - Abandon/Seal
      - After Location
      - Redrill
      - 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.)

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 200 gallons per minute

   Pump Type:
      - Deep Well Turbine
      - Submersible
      - Centrifugal
      - Rotary
      - Rotary-Displacement
      - Rotary-Gear
      - Impulse
      - Propeller
      - Reciprocating

   Motor:
      - Electric, rated horsepower of 20
      - Gas
      - Diesel
      - Other (explain)

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      - Flow-meter
      - Open-pipe
      - Orifice Plate
      - Weir

7. PENDING ACTIONS:
      - CDUA
      - SMA
      - EIS
      - EA
      - NONE
      - Other (explain)
      - Refer to Other Side

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 thirty (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 will not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: Kim Richards
Signature: ____________________________
Date: April 29, 1993

Landowner: Kamehameha Schools/B. P. Bishop Estate
Signature: ____________________________
Date: 5-7-93

Contractor: Roscoe Moss Hawaii, Inc.
Signature: ____________________________
Date: ____________________________
CHECKLIST

Type of Permit:  _ Well Construction  √ Pump Installation  _ Water Use Required

Well Name  Waiulaula Mauai 1st  No.  4851-01  Island  Hawaii
Applicant  Waiulaula DEVE. CO.  Landowner  KM OCEAN SHORES
Consultant  TNRW  TMK  7-2-03:60

Appl Recd   7/24/95  +90 days
Mapped/#  8/22/95  Logcomp  8/30/95  Logbk  8/30/95
Acknowlgmt  SEP - 5  1995  Ch 343 pau
Fee Depos  8/23/95  Tent CWRM Action

Copies Sent for Review  Sent  Comments Recd
DoH/ Drink Water  SEP - 5  1995  
Wastewater  SEP - 5  1995  
Hist. Preserv  SEP - 5  1995  
Aquat Res  SEP - 5  1995  
OHA  SEP - 5  1995  
DHHL  SEP - 5  1995  
Honolulu BWS  SEP - 5  1995  
Maui DoW  SEP - 5  1995  
Kauai DoW  SEP - 5  1995  
Hawaii DoW  SEP - 5  1995  
PW  SEP - 5  1995  
SCLDF  SEP - 5  1995  
Comm. NHAC  SEP - 5  1995  

Bulletin  
to Agenda  
Submittal  
to Appl  
CWRM  _Appr  _Deny  
Permit/Notice to Appl  


CHECKLIST

Well Construction Permit

__ Water Use Permit Required Also

Well Name & Number Kaupulehu Resort Well

Applicant Kaupulehu Land Company

Consultant Rascoe Mass Hawaii, Inc.

Island Hawaii

KS/BP, Bishop Estate

Date application received.............................. 5/13/93

✓ Date acknowledged receipt/request more info......... 6/13

✓ Date filing fee deposited....................................

✓ Application sent to following:
  Dept. of Health
    Safe Drinking Water Branch
    Wastewater Branch
  Office of Hawaiian Affairs
  Dept. of Hawaiian Home Lands
  State Historic Preservation Div.
  Sierra Club Legal Defense Fund
  Honolulu Board of Water Supply
  Maui Dept. of Water Supply
  Kauai Dept. of Water Supply
  Hawaii Dept. of Water Supply
  Hawaii Dept. of Public Works
  Keelaulea MB #28 (Oahu)
  Additional List (Molokai)
  Eric Hirano/ Lyann Mizuno

Date sent   Comments received
6/24

Date agenda due.............................. 6/30/93

Date submittal due.............................. 6/30/93

Date submittal sent to applicant............... 6/24

Date application __ approved OR __ disapproved.... 7/4/93

Date applicant notified of decision..............

Remarks: ADD cond: 12 Golf Course Cond
2. WELL LOCATION/NAME: Kaupulehu Resort
   Island: Hawaii
   Address: No street address; just makai of Mamalahoa Highway
   (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
   - Modify Existing Well
   - Install New Pump
   - Replace Pump
   - Deepen
   - * Abandon/Seal
   - * Alter Location
   - Redrill
   - 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

(Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   - Rated Pump Capacity: 200 gallons per minute
     - Motor:
     - Diesel
     - Gas
     - Electric, rated horsepower of 20

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Domestic (individual, noncommercial water sys.)
   - Irrigation (crop)
   - Golf Course
   - Other (explain)
   - State Land Use District: Urban, Agriculture, Rural
   - County Zoning (describe)
   - (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day
   (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:
   - Refer to Other Side

(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.

Well Owner: [Signature]
Date: April 29, 1993

Landowner: [Signature]
Date: 5-7-93

Contractor: [Signature]
Date: 5-7-93
Elevation at top of casing: 232 ft., msl.

Ground Elevation: 230 ft., msl*

Cement Grout: 190 ft.

Rock Packing: None ft.

Solid Casing:
- Material: Steel
- Length: 225 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Hole Diameter: 18 in.

Total Depth: 255 ft.

Casing: □ Perforated   □ Screen
- Material: Steel
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: None 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.
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE**

**FROM:** RYAN  
**DATE:** 10/21/04  
**SUSPENSE DATE:**

<table>
<thead>
<tr>
<th>TO:</th>
<th>INIT:</th>
<th>TO:</th>
<th>INIT:</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<tbody>
<tr>
<td>ANAKALEA, P.</td>
<td></td>
<td>MATHIAS, T.</td>
<td>NAKAMA, L.</td>
<td>1 Approval</td>
<td>See Me</td>
</tr>
<tr>
<td>BAUER, G.</td>
<td></td>
<td>NAKANO, D.</td>
<td>OHYE, M.</td>
<td>1 Signature</td>
<td>1 Review &amp; Comment</td>
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<tr>
<td>CHING, F.</td>
<td></td>
<td>SAHOKA, E.</td>
<td>STAHIL, K.</td>
<td>3 Information</td>
<td>Take Action</td>
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<tr>
<td>DANBARA, S.</td>
<td></td>
<td>SUBIA, S.</td>
<td>SWANSON, S.</td>
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<td>FUJII, N.</td>
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<td>UYENO, D.</td>
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<td>2 Type Final</td>
<td>Type Draft</td>
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<td>IMATA, R.</td>
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<td>IZU, Y.</td>
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<td>KUNIMURA, I.</td>
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<td></td>
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<td></td>
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</table>

**WELL NUMBER:** 4053-01  
**WELL NAME:** Hvalalai Malcair Irr.

☐ WELL CONSTRUCTION

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 PUMP TEST
10 WCR I FORM

☐ PUMP INSTALLATION

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**
1 COVER LETTER
2 PERMIT (2x)
3 SDWB
4 WWB
5 CWB
6 HEER
7 LD
8 HP
9 WCR II FORM
10 WUR FORM

---

We previously issued a permit for 240 gpm. This one is 250 gpm.
Ref: 4859-01.pip

Mr. Jay Uyeda  
Kaupulehu Makai Venture  
P.O. Box 1119  
Kailua-Kona, HI 96745  

Dear Mr. Uyeda:

Pump Installation Permit  
Hualalai Makai Irrigation Well (Well No. 4859-01)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.
IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

W. Roy Handy

Peter T. Young
Chairperson

Enclosure

c: Tom Nance
PUMP INSTALLATION PERMIT
Hualai Makai Irrigation Well, Well No. 4859-01

Note: This permit shall be prominently displayed at the site until the work is completed.

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Hualai Makai Irrigation Well (Well No. 4859-01) at Makai side of Queen Kaahumanu Hwy, Hawaii, TMK 7-2-10: 11, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 250 gpm rated capacity or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. 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 a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

W. Roy Haney

Date of Approval: October 22, 2004
Expiration Date: October 22, 2006

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: ____________
Printed Name: ___________________________ Firm or Title: ___________________________

Installer's Signature: ___________________________ Date: ____________
C-57, C-57a, or A License #: ___________________________
Printed Name: ___________________________ Firm or Title: ___________________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments:
C: USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Tom Nance
September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kaweoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYNiss
Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 30 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[2] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[X] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[X] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[1] For the applicant's information, a source of possible wastewater contamination [ ] is not located near the proposed well site (information attached).

[1] An NPDES permit is required.

[1] Other relevant DCH rules/regulations, information, or recommendations are attached.

[1] No comments/objections.

Contact Person: Bill Wong
Phone: 586-4258

Signed: Bill Wong
Date: SEP 21 2004
September 9, 2004

TO: Dede Mamiya, Administrator  
Land Division

FROM: Yvonne Y. Izu, Deputy Director  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

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LYN:ss  
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

X[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through _________.

X[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

X[ ] Other comments: ____________________________________________________________________________________________________________________________________________

Contact Person: Gary Martin  
Phone: 587-0421

Signed: Gary Martin  
Date: OCT - 1 2004
STATE MESSENGER DELIVERY

Date: 09-16-2004

To: Commission on Water Resource Management
   Department of Land & Natural Resources
   State of Hawaii

From: Department of Health, Wastewater Branch, Planning & Design Section

Attn: Ryan Imata

Subject: Well No. 4859-01 Hualalai Makai

Well No. ____________________________

STATE MESSENGER DELIVERY
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
    Department of Health
    Attention: Harold Yee, Wastewater Branch
              William Wong, Safe Drinking Water Branch
              Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
              Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN’sss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant’s information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed wellsite (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

X No comments/objections

Contact Person: Lani Katimawa

Signed: 

Phone: 808-394-1234

Date: 09-16-2004
September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
    Department of Health
    Attention: Harold Yee, Wastewater Branch
               William Wong, Safe Drinking Water Branch
               Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
               Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
      Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
          Hualalai Makal Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0253.

LYN: ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawai‘i Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

[ ] An HPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: Alec Wong   Phone: 586-4309
Signed: Alec Wong   Date: 9/1/04

ID: DLNR CWRM PAGE:002 R=97%
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids, wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: RYAN  DATE: 16-Aug-04  SUSPENSE DATE: 23-Aug-04

TO: BAUER, G.  INIT: ___  TO: NAKAMA, L.  INIT: ___  FOR: Approval
CHING, F.  INIT: ___  NAKANO, D.  INIT: ___  Signature
FUJII, N.  INIT: ___  NISHIOKA, L.  INIT: ___  Information
1 HARDY, R.  INIT: ___  OHYE, M.  INIT: ___  1
HIGA, D.  INIT: ___  SAKODA, E.  INIT: ___  2
HIRANO, E.  INIT: ___  SUBIA, S.  INIT: ___  3
ICE, C.  INIT: ___  SWANSON, S.  INIT: ___  4
4 IMATA, R.  INIT: ___  UYENO, D.  INIT: ___  5
IZU, Y.  INIT: ___  YODA, K.  INIT: ___  6
KUNIMURA, I.  INIT: ___  YOSHINAGA, M.  INIT: ___  7

PLEASE:
1 See Me
1 Review & Comment
1 Take Action
2 Type Draft acknow letter
2 Type Final w/elec.signat., label file folder
4 File
4 Xerox ___ copies

WELL NUMBER 4859-01 WELL NAME Hualalai Makai Irrigation

☐ WELL CONSTRUCTION  ☒ PUMP INSTALLATION  ☐ BOTH

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 CWRM MAP
3 APPL. FORM (COPIES)
4 USGS MAPS (5 COPIES)
5 TAX MAPS (5 COPIES)
6 PARCEL OWNER VERIF.
7 CONTRACTOR VERIF.
8 ALL INFO FILLED IN
9 BACKGROUND CHECK
10 $25 FEE DEPOSIT SLIP
11 DHP, SMA, EA check

FOLDER:
☐ MADE NEW FILE FOLDER, ATTACHED
☒ FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:

DATE ACTION

new TMK must have subdivided.

September 9, 2004

Mr. Jay Ueda
Kaupulehu Makai Venture
P.O. Box 1119
Kailua-Kona, 96745  96745

Dear Mr. Ueda:

Pump Installation Permit Application for Well No. 4859-01

We acknowledge receipt, on September 8, 2004, of your completed Pump Installation permit application and filing fee for the Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from this date.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

YVONNE Y. IZU
Deputy Director

LYN:ss

c: Rick Robinson, Kaehoameha Schools
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 821
HONOLULU, HAWAII 96809

September 9, 2004

TO:       Honorable Chiyome L. Fukino, M.D., Director
           Department of Health
           Attention:  Harold Yee, Wastewater Branch
                       William Wong, Safe Drinking Water Branch
                       Dr. Keith Kawakata, Hazardous Evaluation and Emergency Response
                       Alec Wong, Clean Water Branch

FROM:        Peter T. Young, Chairperson
                   Commission on Water Resource Management

SUBJECT:   Pump Installation Permit Application
           Hualalai Makai Irrigation Well (Well No. 4859-01)

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We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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LYN:ss
Attachment(s)

RESPONSE:

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[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: ___________________________ Phone: _______________

Signed: ___________________________ Date: _______________


September 9, 2004

TO: Dede Mamiya, Administrator  
Land Division

FROM: Yvonne Y. Izu, Deputy Director  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Hualalai Makai Irrigation Well (Well No. 4859-01)

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LYN: ss  
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is **not** required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. ________________________

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ____________

Signed: ___________________________ Date: ____________
September 9, 2004

TO: Holly McEldowney, Acting Administrator
Historic Preservation

FROM: Yvonne Y. Izu, Deputy Director
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

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LYN:ss
Attachment(s)

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: __________

Signed: ___________________________ Date: __________
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
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**TOTAL** | $25.00

**REMARKS:**

LINE (1) Edward Paradis Well, tmk: 2-7-38:10
LINE (2) Moomuku - 1 Well, tmk: 2-1-005:026
LINE (3) Hualalai Makai Irrigation Well, tmk: 7-2-10:11
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
Mr. Ernest Y.W. Lau  
Deputy Director  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii 96809

Dear Mr. Lau:

Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (State No. 4859-01)  
North Kona, Hawaii

On behalf of the Kaupulehu Makai Venture, I am pleased to provide this permit application and $25 filing fee for the pump installation permit application for Hualalai Makai Irrigation Well (State No. 4859-01) on TMK 7-2-10:11 in the Hualalai Resort. If you have any questions or require additional information, please feel free to call me or Jay Uyeda at 808-325-8191. Thank you for your consideration.

Sincerely,

[Signature]

Tom Nance

cc: Jay Uyeda

Attachments
WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: Along Makai Side of Queen Kaahumanu Hwy
   Tax Map Key: 7 - 2 - 10 : 11

   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK: (check all that apply)
   - Construct New Well
   - Modify Existing Well*
   - Abandon/Seal*
   - Install New Pump*
   - Modify Pump*
   *State Well No.: 4859-01
   (if unknown, please call Commission at 587-0225)

4. CONSTRUCTION:
   - Drilled
   - Dug
   - Shaft
   - Tunnel
   Is this well part of a battery of wells? □ Yes □ No (Please describe)
   □ 250 gallons per minute

5. PROPOSED PUMPING RATE:

6. PROPOSED USE: (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - Domestic (individual, noncommercial water system)
   - Industrial
   - Irrigation (crop)
   - Military
   - Other (explain): Construction Water
   No. of Acres:

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   100,000 gallons per day

   (b) METHOD OF FLOW MEASUREMENT:
   □ Flowmeter □ Open-pipe □ Weir □ Orifice □ Other(explain)

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP): To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   □ Not Required
   If required, date approved
   Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OEQC at 586-4185
   □ Not Required
   If required, date published in OEQC bulletin
   Special Management Area Permit (SMAP): To determine if an SMAP is necessary: on Oahu, call 527-5374; on Hawaii, call 961-8288; for Maui county, call 270-7235; on Kauai, call 241-6677.
   □ Not Required
   If required, date approved

9. ARCHEOLOGICAL REQUIREMENTS:
   To find out if an archeological work is required: on Oahu, call Elaine Jouardane at 692-8027; on Hawaii, call MaryAnne Maigret at 327-3690, for Maui county, call Cathy Dagger at 692-8023; on Kauai, call Nancy McMahon at 742-7033.
   □ Not Required
   If required, please attach letter from DLNR Historic Preservation

10. REMARKS, EXPLANATIONS:
    The pump would be installed to provide brackish water for dust control and other construction requirements.

NOTE: Signing below indicates the signatories understand and swear that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval 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; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $1000/day.

Well Owner: Kaupulehu Makai Venture
Signature: 20-04
Date

Landowner: Kamehameha Schools
Signature: 7-30-04
Date

Contractor
Signature
Date

For official use only
Latitude
Longitude
Aquifer System No.
State Well No.

WCPFA Form 7/17/03
TRANSMITTAL

To: State of Hawaii
Department of Land and Natural Resources
Attn: Michael D. Wilson, Chairperson
COMMISSION ON WATER RESOURCE MANAGEMENT
Post Office Box 621
Honolulu, Hawaii 96809

Date: 11/07/95

Re: Hualalai Makai Irrigation Well No. 4859-01
Hualalai Saltwater Wells Nos. 4959-01 to 04

We are Sending: Attached

Description:
Executed Pump Installation Permit for Hualalai Makai Irrigation Well No. 4859-01
Executed Well Construction/Pump Installation Permits for Hualalai Saltwater
Wells Nos. 4959-01 to 04.

These are Transmitted as Checked Below:

___ For Approval ___ Approved as Submitted
___ For Your Use ___ Approved as Noted
x As Requested ___ Returned for Corrections
___ For Review & Comment ___ Other

Remarks:

Copy to: M. Swanson

Signed: John Mansour

P.O. BOX 1119, KAILUA-KONA, HAWAII 96745
(808) 325-0808  FAX (808) 325-1400
COURIER: FOUR SEASONS SITE
QUEEN KAHAUMANU HIGHWAY, NORTH 87 MILE MARKER
KAUPULEHU-KONA, HAWAII 96740
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96809

PUMP INSTALLATION PERMIT

for

Hualalai Makai Irrigation Well
Well No. 4859-01

To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3-6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
date the permit expires. If the commencement or completion date is not met, the
Commission may revoke the permit after giving the permittee notice of the proposed
action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the
Commission at its October 18, 1995 meeting are incorporated into the permit by
reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping
test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate
mitigation measures to prevent construction materials from blowing, leaching, draining,
or entering the aquatic environment. Land clearing for construction should be followed
as soon as possible by replanting to prevent erosion.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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: Nov 6, 1995
Printed Name: ___________________________
Firm or Title: V.P. Construction

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

Attach.
cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
Do we have the pump test results for water use reports?

If not, request pump test results & application submission.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96809

PUMP INSTALLATION PERMIT
for
Hualalai Makai Irrigation Well
Well No. 4849-01

To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3-6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the...
date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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

Attach.
cc: USGS
    Department of Health
    Safe Drinking Water Branch
    Ground Water Protection Program
    Wastewater Branch
    Hawaii Department of Water Supply
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 821
HONOLULU, HAWAII 96808

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for a Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)
Installation of a 240 gpm Pump
for golf course use,
TMK 7-2-3:6 Kaupulehu, North Kona, Hawaii

Applicant:
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Landowner:
Same

Action Requested: Permission to install a 240 gpm pump in Hualalai Makai Irrigation Well, to be used for golf course irrigation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona, at Tax Map Key 7-2-3:6 (see Attachment A).

Well Description (see Attachment B):

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Ground elevation</td>
<td>249 ft.</td>
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<tr>
<td>Hole diameter</td>
<td>18 in.</td>
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<tr>
<td>Solid casing depth</td>
<td>250 ft.</td>
</tr>
<tr>
<td>Screen casing depth</td>
<td>20 ft</td>
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<tr>
<td>Open hole</td>
<td>none</td>
</tr>
<tr>
<td>Total depth</td>
<td>270 ft.</td>
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<tr>
<td>Anticipated pump size</td>
<td>240 gpm</td>
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</table>

Agency Review: The application was circulated to the State DLNR's Divisions of Historic Preservation and Aquatic Resources, the Office of Hawaiian Affairs, the Departments of Hawaiian Home Lands and Health, Hawaii County Department of Water Supply, and to the Sierra Club Legal Defense Fund.

Historic Preservation commented that Hualalai Development Company has yet to complete a preservation plan; they recommend deferral of approval until they are able to evaluate proposed wells in relation to historic sites. Aquatic Resources noted the project's proximity to coastal waters, suggesting that mitigation measures be taken to prevent drill...
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 240 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

   The applicant shall conduct a 48-hour step drawdown and a seven-day continuous pumping test, according to standard aquifer test procedures (Attachment D).

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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

   **Special Conditions**

1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Attachment C
STATE OF HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 821
HONOLULU, HAWAII 96809

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for Well Construction/Pump Installation Permits
Hualalai Saltwater Wells (Well Nos. 4959-01 to 04)
Construction of four 12-inch diameter, 100-foot deep Wells
and Installation of 850-gpm Pumps
for seawater pond circulation

TMK 7-2-3:4 & 5 Kaupulehu, North Kona, Hawaii

Applicant:  Landowner:

Hualalai Development Company  Same
P.O. Box 1119
Kailua-Kona, Hawaii  96745

Action Requested:  Expedited permission to construct four 12-inch diameter, 100-foot deep wells, and installation of 850-gpm pumps in Hualalai Saltwater Wells 1-4, for seawater pond circulation.

Well Location/Tax Map Key:  The well is located at Kaupulehu, North Kona at Tax Map Key 7-2-3:4 & 5 (see Attachment A).

Well Description:  (see Attachment B)

- Ground elevation:  9 & 11 ft.
- Hole diameter:  16 in
- Solid casing depth:  50 ft.
- Screen casing depth:  50 ft
- Open hole:  none
- Total depth:  100 ft.
- Anticipated pump size:  850 gpm

AGENDA 1
Item 8
1. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction shall be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Respectfully submitted,

Edwin J. Sabata
for: RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
Ms. Kim Richards
Hualalai Development Co.
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Ms. Richards:

Well Construction Permit Applications
Hualalai Saltwater Wells (Well Nos. 4959-01 thru 03)
Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

We acknowledge receipt, on July 24, 1995, of your completed well construction permit applications for Hualalai Resort Salt Water Wells 1, 2, and 3 (Well Nos. 4959-01 thru 03), and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from the date of receipt.

We have been informed by your consultant, Mr. Tom Nance, that due to ongoing construction at these well sites, you are requesting an expedited processing of the Saltwater Well permits. As required by §13-168-12(c):

"The Commission may issue or cause to be issued a permit only if the proposed construction complies with all applicable laws, rules, and standards. Before an application for a well construction permit is approved by the department, the Commission shall cause such application to be reviewed by the Department of Health [DOH] for compliance with their rules and standards concerning, among other things, the appropriateness of the well location."

We are requesting DOH to respond by September 14, 1995, which is a shorter period than is normally required. You may wish to call DOH, Mr. Tom Arizumi, at 586-4304, to help expedite their review.

If you have any questions about your well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

Cl: ss

c: Kamehameha Schools/Bishop Estate
Water Resources International, Inc.
Tom Nance, TNWRE
TO: Honorable Lawrence Miike, Director
    Department of Health
    Attention: Mr. Dennis Tulang, Wastewater Branch
              Mr. William Wong, Safe Drinking Water Branch

Honorable Kali Watson, Chairman
Hawaiian Homes Commission

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

Mr. Milton Pavao, Manager
Hawaii Department of Water Supply

Ms. Donna Fay K. Kiyosaki, Manager and Chief Engineer
County of Hawaii, Department of Public Works

FROM: [Signature] Michael D. Wilson, Chairperson
      Commission on Water Resource Management

SUBJECT: Well Construction Permit Applications for
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)
Pump Installation Permit Application for
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of well construction permit
applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump
installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or
inconsistencies with the programs, plans, and objectives specific to your division only. Please
respond by returning this cover memo form by September 14, 1995. We have been requested to
expedite this review.

If you have any questions about these well construction permit applications, please
contact Mr. Charley Iice of the Commission staff at 587-0251.

Cl: ss
Attachment(s)

Response:

( ) We have no objections
( ) Comments attached

Contact Person: _____________________________________________________________________
Phone: ___________________________________________________________________________

Signed: __________________________________________________________________________
Date: ____________________________________________________________________________
TO:            Don Hibbard, Administrator  
               Division of Historic Preservation

               William Devick  
               Division of Aquatic Resources

               Marjorie Ziegler  
               Sierra Club Legal Defense Fund

               David Martin  
               Native Hawaiian Advisory Council

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

SUBJECT:      Well Construction Permit Applications for  
               Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
               Pump Installation Permit Application for  
               Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.

If you have any questions about these well construction permit applications, please contact Mr. Charley Iice of the Commission staff at 587-0251.

Class
Attachment(s)

Response:

( ) We have no objections
( ) Comments attached

Contact Person: __________________________________ Phone: __________________

Signed: ___________________________________________ Date:______________
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, HI 96745-1119
808-325-0808
808-325-1400 (fax)

*** Facsimile Transmission ***

To:       Mr. Roy Hardy
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii

F. No:    808-587-0219

From:     Jeff Mongan

Date:     August 24, 1995

Re:       Well Construction and Pump Installation Permit Application For
Irrigation and Saltwater Circulation Wells at Hualalai Resort

No. of Pages (incl. cover)  2

Message:

Dear Mr. Hardy:

Attached is the information you requested regarding the County zoning designations and
clarification of the T.M.K. parcel numbers for the above referenced applications.

Please call me if you have any further questions.

Sincerely,

Jeffrey J. Mongan

cc:       Tom Nance
          Roger Harris
Rock Packing 55 ft.

Hole Diameter: 19 in.

Total Depth 100 ft.

Solid Casing:
Material: PVC (Sch. 40)
Length: 50 ft.
Diameter: 12 (nominal) in.
Wall thickness: 0.406 in.

Casing: [ ] Perforated [ ] Screen
Material: PVC (Sch. 40)
Length: 50 ft.
Diameter: 12 (nominal) in.
Wall thickness: 0.406 in.
Openings: 50 sq. in./L.F.

Open Hole:
Length: None.
Diameter: None.

*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.

Attachment B
APPLICATION FOR PERMIT

6-26-95

[Box checked: Pump Installation]

94-50

Instructions: Please print in ink of 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 587-0229.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
       Firm/Name: Hualalai Development Company
       Contact Person: Kim Richards
       Address: P. O. Box 1119
       Kailua-Kona, Hawaii 96745

   (b) LANDOWNER: Kamehameha Schools/BP Bishop Estate
       Firm/Name: Kamehameha Schools/BP Bishop Estate
       Contact Person: P.O. Box 523
       Address: South King Street, Suite 200
       Honolulu, Hawaii 96813

   (c) CONTRACTOR: Water Resources Intl., Inc.
       Firm/Name: Water Resources Intl., Inc.
       Contact Person: License No.
       Address: 1100 Alakea Street, Suite 2900
       Honolulu, Hawaii 96813

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address (Just makai of Queen Kaahumanu)
   Tax Map Key: 7-203; 6
   (Attach a USGS map, scale 1"=2000, and a property line map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: [ ] Drill New Well
       [ ] Modify Existing Well
       [ ] 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
       [ ] Percutaneous
       [ ] Is this well a part of a battery of wells? [ ] Yes [ ] No
       (Briefly describe and fill in diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 240 gallons per minute
   Pump Type: [ ] Deep Well Turbine
   [ ] Rotary
   [ ] Submersible
   [ ] Centrifugal
   [ ] Motor: [ ] Diesel
   [ ] Propeller
   [ ] Reciprocating
   [ ] Gas
   [ ] Impulse
   [ ] Electric, rated horsepower of 40 HP

5. PROPOSED USE: [ ] Municipal (including hotels, stores, etc.)
       [ ] Irrigation (prop)
       [ ] Golf Course
       [ ] State Land Use District: [ ] Urban [ ] Agriculture
       [ ] County Zoning (describe)
       [ ] Military
       [ ] Industrial
       [ ] Other (explanatory)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT: [ ] Flow-meter
       [ ] Open-pipe
       [ ] Orifice Plate
       [ ] Weir

7. PENDING ACTIONS: [ ] CDUA [ ] SMA [ ] EIS [ ] EA [ ] NONE

8. REMARKS, EXPLANATIONS:

   See Reverse Side

NOTE: Signing below indicates that the applicant understands that the proposed permit shall not constitute a determination of cumulative water rights and shall not constitute an acquiescence in plans, plans, or future use of the permitted pump capacity.

Well Owner: Hualalai Development Co.
Landowner: Kamehameha Schools/BP Bishop Estate
Contractor

Signature: Date: 7/21/95

Signature: Date: 7/21/95

(If more space is needed, continue below remarks, explanations.)

[Signature of Official Use Only:]

Date Accepted:

Field Checked By: Longi

Date:

AQUIFER SYSTEM NAME:

STATE WELL NO.
8. **REMARKS, EXPLANATIONS:** Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. **PROPOSED WELL SECTION**

- **Elevation at top of casing:** 250.75 ft, msl.
- **Ground Elevation:** 248.95 ft, msl*
- **Cement Grout:** 220 ft
- **Rock Packing:** None
- **Hole Diameter:** 18 in.
- **Total Depth:** 270 ft
- **Solid Casing:**
  - **Material:** Steel
  - **Length:** 250 ft
  - **Diameter:** 10 in.
  - **Wall thickness:** 0.312 in.
- **Casing:**
  - **Material:** Steel
  - **Length:** 20 ft
  - **Diameter:** 10 in.
  - **Wall thickness:** 0.312 in.
  - **Openings:** sq in./ft
- **Open Hole:**
  - **Length:** 0 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.
2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address (Just makai of Queen Kaahumanu Highway)
   (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 □ Modify Existing Well
   □ Install New Pump □ Replace Pump □ Redrill □ Deepen □ *Abandon/Seal
   □ 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.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 240 gallons per minute
   Pump Type: □ Deep Well Turbine □ Rotary
   □ Submersible □ Rotary-Displacement □ Reciprocating
   □ Centrifugal □ Rotary-Gear □ Impulse
   Motor: □ Diesel □ Gas
   □ Electric, rated horsepower of 40 HP

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (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:
   See Reverse Side

   (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 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.

Well Owner: Hualalai Development Co. Landowner: Kamehameha Schools/ BP Bishop Estate Contractor

Signature: [Signature] Signature: [Signature] Signature: [Signature]

Date: 7-21-95 Date: 7-21-95 Date: 7-21-95

For Official Use Only:
Date Received
Date Accepted
Field Checked By

Longitude
Latitude
Aquifer System Name: 60902 State Well No.
Elevation at top of casing: 250.75 ft., msl.

Ground Elevation: 248.95 ft., msl.

Cement Grout: 220 ft.

Rock Packing: None ft.

Hole Diameter: 18 in.

Solid Casing:
- Material: Steel
- Length: 250 ft.
- Diameter: 10" ID
- Wall thickness: 0.312 in.

Casing:
- Perforated
- Screen
- Material: Steel
- Length: 20 ft.
- Diameter: 10" ID
- Wall thickness: 0.312 in.
- Openings: ________ sq. in./L.F.

Open Hole:
- Length: 0 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.
<table>
<thead>
<tr>
<th>YR APP D</th>
<th>SRC/ OBJ</th>
<th>COST CTR</th>
<th>PROJECT</th>
<th>PH ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
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<td>1026</td>
<td>0752</td>
<td>--------</td>
<td>------</td>
<td>(1) $25.00</td>
<td>Tom Nance Water Resource Engineering</td>
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<td>0752</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>$100.00</td>
<td></td>
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</tbody>
</table>

**MARKS:**

LINE (1) Hualalai Makai Irrigation Well
LINE (2) Hualalai Resort - Saltwater Well No. 1
LINE (3) Hualalai Resort - Saltwater Well No. 2
LINE (4) Hualalai Resort - Saltwater Well No. 3
Pay $25.00 to the order of Department of Land and Natural Resources.

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-21-95</td>
<td>Job No. 94-50: Hualalai Makai Irrigation Well Filing Fee For Pump Installation Permit Application</td>
<td>$25.00</td>
</tr>
</tbody>
</table>
Mr. Mike Wilson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii 96809

July 21, 1995  
95TN-182  (95-10/94-50)

Dear Mr. Wilson:

Well Construction and Pump Installation Permit Applications For  
Irrigation and Saltwater Circulation Wells at Hualalai Resort

Enclosed are a pump installation permit application for Well 4859-01 and three combined well  
construction and pump installation permit applications for saltwater circulation wells, all to be located  
within Hualalai (formerly Kaupulehu) Resort in North Kona, Hawaii. Well 4859-01 is an existing  
brackish well located just makai of Queen Kaahumanu Highway. It would be used to supplement the  
supply from the Resort's two mauka irrigation wells (State Nos. 4757-01 and -02) to irrigate the  
Resort's golf course and roadway landscaping.

The three saltwater circulation wells would be located in the lowlying, nearshore area of the  
Resort. These would be used to speed up the natural turnover rate in three brackish to saline,  
nearshore water features, thereby improving water clarity and limiting algae growth. Drawings of the  
proposed skimming-type well construction are enclosed with the applications.

If you have any questions of these applications, feel free to call Roger Harris at Hualalai  
Development Company (808-325-0808) or me.

Sincerely,

[Signature]

Tom Nance

Enclosures

cc: Roger Harris - HDC
PAY

* * Twenty-five and 00/100 * *

DOLLARS $*25.00*

TO

THE

ORDER

OF

Department of Land and Natural Resources

July 21, 1995

DETACH AND RETAIN THIS STATEMENT

THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW:

IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

<table>
<thead>
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<th>DESCRIPTION</th>
<th>AMOUNT</th>
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</thead>
<tbody>
<tr>
<td>7-21-95</td>
<td>Job No. 94-50: Hualalai Makai Irrigation Well Filing Fee For Pump Installation Permit Application</td>
<td>$25.00</td>
</tr>
</tbody>
</table>
H. TOTAL DEPTH OF WELL BELOW GROUND 270

I. HOLE SIZE: 18 inch dia. from 0 ft. to 270 ft. below ground

J. CASING INSTALLED: 10 in. I.D. x .312 in. wall solid section to 250 ft. below ground

K. ANNULUS: Grouted from 0 ft. to 220 ft. below ground

L. PERMANENT PUMP INSTALLATION:
   Pump type, make, serial No.
   Motor type, H.P., voltage, r.p.m.
   Depth of pump intake setting ft. below which elevation is ft.
   Depth of bottom of airline ft. below which elevation is ft.

M. PROPOSED USE

N. INITIAL WATER LEVEL 247.9 ft. below ground. Date and time of measurement 1-29-94

O. INITIAL CHLORIDE ppm. Date and time of sampling

P. PUMPING TESTS: Reference point (R.P.) used: which elevation is ft.
   Date 1-29-94
   Start water level 247.9 ft. below R. P.
   End water level 247.9 ft. below R. P.
   Depth of well 270 ft. below R. P.

Q. DRILLER'S LOG:

<table>
<thead>
<tr>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level, ft.</th>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level, ft.</th>
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<td>207 to 225</td>
<td>10.0 to 20.0</td>
<td>VERY HARD</td>
<td>225 to 257</td>
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<tr>
<td>20.0 to 35.0</td>
<td>MED HARD</td>
<td>257 to 264</td>
<td>35.0 to 68.0</td>
<td>VERY SOFT</td>
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<td>68.0 to 200.0</td>
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<td>270 to 270</td>
<td>200.0 to 207</td>
<td>SOFT</td>
<td>207 to 270</td>
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</table>

REMARKS:

Submitted by (print) L. H. RUNNELLS

Signature

Job Name

Job No.

Title PRESIDENT

Date March 1694

FOR OFFICIAL USE

Latitude 19 48 59

Longitude 155 59 01

Well No. 4859-01
<table>
<thead>
<tr>
<th>Date &amp; Time</th>
<th>Sample No.</th>
<th>Pumping Rate (gpm)</th>
<th>Airline Drawdown (feet)</th>
<th>Chlorides Temp. (°F)</th>
<th>Cond. (mhos 25°C)</th>
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<td>5.65</td>
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</table>

Description of Pump and Pump Setting:
5. Type of pump with stage bowl assembly.

6. Horsepower of pump.

7. Shaft speed of pump.

8. Depth of pump intake below ground level.

9. Center of gage below ground level.

10. Test conducted by.
<table>
<thead>
<tr>
<th>Date &amp; Time</th>
<th>Sample No.</th>
<th>Pumping Rate (gpm)</th>
<th>Airline (PSI)</th>
<th>Drawdown (feet)</th>
<th>Chlorides (ppm)</th>
<th>Temp. (°F)</th>
<th>Cond. (mmhos 25°C)</th>
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<td>✔️</td>
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</table>
December 13 1993

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

Dear Commission,

Enclosed please find a copy of our signed well construction permit #4859-01. Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809
AUG 10 1993

WELL CONSTRUCTION PERMIT

for
Kaupulehu Resort Well
Well No. 4859-01
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
c. As-built sectional drawing of the well.

d. Plot plan and map showing the exact location of the well.

e. Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

____________________________________
KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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: [Signature] Date: 12-13-93

Printed Name: [Name]

Firm or Title: Kauai Land Company

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

c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
State Historic Preservation Division
Hawaii Department of Water Supply
December 9, 1993

Mr. Keith Ahue
Chairperson
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
Honolulu, HI 96809

Dear Keith,

In accordance with our Well Construction Permit for Kaupulehu Resort, Well No. 4859-01, Kaupulehu, North Kona, Hawaii, we are notifying your department of our intent to begin construction within the next week.

Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager

cc: M. Swanson
R. Harris
G. Fukumitsu

Issued 7/20/93
MEMORANDUM

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

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Kaupulehu Land Company
(Well No. 4859-01)
Kaupulehu, North Kona, Island of Hawai‘i
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

In response to our Memorandum, dated August 30, 1993, to your office requesting additional locational information for the subject well, Kaupulehu Land Company has submitted a map to our office showing the location of the well with respect to significant historic sites identified in the property. The map clearly indicates that the well location is well away from any of the significant historic sites. Hence, the subject action will have "no effect" on historic sites.

fc: Roger Harris, Kaupulehu Land Company

KS:III
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

SEP 16 1993

REF: WRM-KY

TO: Kaupulehu Land Company
    P.O. Box 1119
    Kailua-Kona, HI 96745

The Commission on Water Resource Management (Commission), on July 28, 1993, approved a permit for the construction and testing of Kaupulehu Resort Well (Well No. 4859-01). We have recently received comments from the State Historic Preservation Division (SHPD) concerning your project. Enclosed are the comments from the SHPD. We would appreciate your contacting them to find out what steps are required to satisfy their concerns. Condition 6 of our permit states:

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

We appreciate your cooperation in this matter.

Very truly yours,

KEITH W. AHUE

Enclosure

c: State Historic Preservation Division
MEMORANDUM

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

FROM: Don Hibbard, Administrator  
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Well No. 4859-01,  
Kaupulehu Land Co.  
Kaupulehu, North Kona, Island of Hawaii  
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

Our Tax Map Key Map Volume does not show the subject parcel; however, the property is within a section (TMK: 7-2-03: 001) of Kaupulehu ahupua'a that underwent archaeological inventory survey in 1989 by the consulting archaeologist firm of Paul H. Rosendahl, Inc. Two trail sections, one oriented mauka-makai (site no. -10977) and the other paralleling the shoreline (site no. 10783), were identified during the survey in the vicinity of the proposed well site No. 4859-01. These two trail sections were recommended for preservation as part of the mitigation plan (Jensen and Rosendahl 1989: "Archaeological Mitigation Program, Kaupulehu Makai Project, Land of Kaupulehu, North Kona District, Island of Hawaii") to allow development of the parcel. This current undertaking should conform with those preservation commitments.

We cannot determine from the location map accompanying the application just where the well will be constructed with respect to the location of the two preserved trail sections. Hence, we recommend that no action be taken on the subject application until we can clearly establish the location of the preserved trails with respect to the well location, to ensure that the well construction will have "no adverse effect" on the preserved trails. This can be accomplished either of two ways. A field check could be undertaken by our staff archaeologist to ascertain the location of the well will not impact the trails in any way or a location map could be furnished our office by the applicant(s) clearly showing the locations of the well and the two trails to the degree
that it can be determined that the trails will not be impacted at all by the well construction. Our office is amenable to either option.

If the well project would impact either of the two trails then the well project would have to be relocated to conform with the prior mitigation commitments.

For further assistance, please contact Kanalei Shun at 587-0007.

KS:amk
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 621  
HONOLULU, HAWAII 96800  
AUG 10 1993

WELL CONSTRUCTION PERMIT

for

Kaupulehu Resort Well  
Well No. 4859-01  
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
c. As-built sectional drawing of the well.

d. Plot plan and map showing the exact location of the well.

e. Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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.

enclosure
c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
State Historic Preservation Division
Hawaii Department of Water Supply
Gentlemen:

Kaupulehu Land Company
Application for a Well Construction Permit
Kaupulehu Resort Well (Well No. 4859-01)
Kaupulehu, North Kona, Hawaii

Applicant: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

Landowner: Same

Action Requested: Permission to construct and test Kaupulehu Resort Well (Well No. 4859-01) for golf course irrigation use. The proposed amount of use is 175,000 gallons per day (0.175 mgd).

Well Location: The proposed well will be located at the Kaupulehu Resort, Hawaii (see attached map) at Tax Map Key: 7-2-03: 6.

Well Description:

- Ground elevation: 230± ft.
- Casing diameter: 12 inches
- Solid casing depth: 225 ft.
- Screen casing depth: 255 ft.
- Open hole: none
- Total depth: 255 ft.
- Grouted annulus: 0 to 190 ft.
- Proposed pump capacity: 200 gpm

Agency Review: The application has been sent to the Hawaii County Departments of Water Supply and Public Works, the State Historic Preservation Division, the Office of Hawaiian Affairs, and to the State Departments of Health and Hawaiian Home Lands for review. There have been no objections to the project.

Analysis: The well is expected to develop brackish basal ground water. The well could possibly adversely affect Kona Villages Wells (Well Nos. 4858-01 to 03) located about 5,800 ft. southeast (upgradient). The applicant will be required to determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

Water Availability. The well will be located in the Hualalai Sector, Kiholo Aquifer System of Hawaii. Sustainable yields for the Kiholo System and the Hualalai Sector are estimated at 18 mgd and 56 mgd respectively. Existing use from the Hualalai Sector is about 10 mgd. Water needs from the Hualalai Sector are estimated to be 38 mgd by the year 2010. The well is not listed in the Hawaii Water Use and Development Plan.
2. The permit shall be for construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct the well shall not constitute a determination of correlative water rights.

4. The applicant shall determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

8. 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.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE

-2-
ITEM 8  KAPALUA LAND COMPANY, APPLICATION FOR A PUMP INSTALLATION PERMIT, KAPALUA 2 (WELL NO. 5938-03), HONOKAHUA, MAUI

Mr. Cliff Jamille, applicant, had no objections to the conditions or recommendations.

Unanimously approved. (Cox/Nakata)

ITEM 9  LANAI COMPANY, INC., APPLICATION FOR A PUMP INSTALLATION PERMIT, LANAI WELL 12 (WELL NO. 4552-01), LANAI

Mr. Vince Bagoyo stated that corrections be made in the usage. In addition to dust control and golf course irrigation, the proposed usage will also be used for other landscaping irrigation.

Mr. Penn asked questions and made comments. See Commission file.

Mr. Cox recommended approval as amended to add landscape irrigation as a proposed usage.

Unanimously approved as amended. (Cox/Nakata)

ITEM 10  JON F. ANDERTON, APPLICATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, ALIOMANU-ANDERTON WELL (WELL NO. 0919-04), ALIOMANU, KAUAI

Unanimously approved. (Cox/Nakata)

ITEM 11  KAUPULEHU LAND COMPANY, APPLICATION FOR A WELL CONSTRUCTION PERMIT, KAUPULEHU RESORT WELL (WELL NO. 4859-01), KAUPULEHU, NORTH KONA, HAWAII

Mr. Tom Nance, consultant representing Kaupulehu Land Company, stated that this is purely an exploratory effort.

Mr. Penn presented testimony. See Commission file.

The applicant was requested to discuss the project and potential impacts with interested persons in the area.

Mr. Fujimura made a motion to amend recommendation 4 to include the determination of effects on ponds and dug wells.

Unanimously approved to accept recommendations as amended. (Fujimura/Cox)
The Honorable Keith W. Ahue, Chairperson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Ahue:  

Well and Pump Applications  

Thank you for the opportunity to comment on the following applications:  

**Maui:**  
Lahaina Civic Center (5441-02)  
Kapalua #2 (5938-03)  
Wailea #6A (4026-07)  

**Kaua'ī:**  
Aliomanu (0919-04)  

**Hawaii:**  
Hawi #2 (7349-01)  
Kaupulehu (4859-01)  

The Department of Hawaiian Home Lands has no objections to these projects.  

We note the Anderton application (Aliomanu), with interest, as an opportunity to learn more about the groundwater resource of northeastern Kaua'ī, between the Anahola and Moloaa tracts of Hawaiian home lands.  

Warmest aloha,  

[Signature]  
Hoaliku L. Drake, Chairman  
Hawaiian Homes Commission
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

<table>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-6225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko
Enc.
Response:

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

Contact Person:  Ed Yoshida  
Phone:  961-8327

Signed:  
Date:  7/1/93
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720  

Dear Ms. Kiyosaki:  

Well Construction and Pump Installation Permit Application  

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.  

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.  

Sincerely,  

[Signature]  
RAE M. LOUI  
Deputy Director  

JZ:ko  
Enc.
Response:

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

Contact Person: ___________________________ Phone: ________________

Signed: ________________________________ Date: ________________
MEMORANDUM

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

    Mr. Clayton H.W. Hee, Chairman & Trustee At Large
    Office of Hawaiian Affairs

FROM: Keith W. Ahue, Chairperson

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s), pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Enc.

Response:

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

Contact Person: ____________________________ Phone: ________

Signed: ____________________________ Date: ________
Ms. Marjorie Ziegler  
Sierra Club Legal Defense Fund, Inc.  
212 Merchant Street, Room 202  
Honolulu, Hawaii  96813  

Dear Ms. Ziegler:  

Well Construction and Pump Installation Permit Application  

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 16 1993**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko  
Enc.
Response:

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

Contact Person: ___________________________ Phone: ________

Signed: _________________________________ Date: _______
JUN 24 1993

Mr. Thomas Arizumi, Chief
Environmental Management Division
Department of Health
Five Waterfront Plaza
500 Ala Moana Blvd., Suite 250
Honolulu, Hawaii 96813

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

JZ:ko
Enc.
MEMORANDUM

TO:       Dr. Don Hibbard, Director
          Historic Preservation Division

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

SUBJECT:  Well Construction & Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 15 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

JZ:ko
Enc.

Response:

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

Contact Person: _______________________ Phone: _______________

Signed: _____________________________ Date: _____________
MR. Kim Richards  
Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745  

Dear Mr. Richards:

We have received your application and filing fee for a permit to construct Kaupulehu Resort Well (Well No. 4859-01) in North Kona, Hawaii (TMK 7-2-03:6). We are reviewing the application for completeness.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

JZ:ko
May 12, 1993
93TN-087 (93-25)

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

Dear Ms. Loui:

Well Drilling Permit Application for
Kaupulehu Resort in North Kona, Hawaii

We are pleased to submit the enclosed well drilling permit and $25 filing fee on behalf of Kaupulehu Land Company (KALACO). The application is to construct and test a well within the Kaupulehu Resort property to determine if water of adequate quality for irrigation can be developed from the underlying brackish basal lens. If the results are acceptable, up to three more wells may be drilled to irrigate the Resort's golf course.

Please feel free to contact me or Jeff Mongan at KALACO (325-0808) if you have any questions. Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc:  Jeff Mongan - KALACO

Enclosures
TWNRE, INC.
DBA TOM NANCE WATER RESOURCE ENGINEERING
680 ALA MOANA BLVD., STE. 406
HONOLULU, HI 96813

PAY *** TWENTY FIVE DOLLARS NO CENTS ***

TO THE ORDER OF
DEPARTMENT OF LAND AND NATURAL RESOURCES

MAY 12, 1993

TWNRE, INC.

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>5/12/93</td>
<td>TWNRE PROJECT: 93-2500.0 FILING FEE</td>
<td>$ 25.00</td>
</tr>
</tbody>
</table>
2. WELL LOCATION/NAME: Kaupulehu Resort  
Address: No street address; just makai of Mamalahoa Highway  
In Kaupulehu Resort  
Island: Hawaii  
Tax Map Key: 7-2-03-6  
(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  
- Modify Existing Well  
- * After Location  
- Redrill  
- * Abandon/Seal  
- Deepen  
- 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.)

4. PROPOSED PUMP INFORMATION:  
Rated Pump Capacity: 200 gallons per minute

Pump Type:  
- Deep Well Turbine  
- Submersible  
- Centrifugal  
- Rotary  
- Rotary-Displacement  
- Rotary-Gear  
- Propeller  
- Reciprocating  
- Impulse  
- Motor:  
- Diesel  
- Gas  
- Electric, rated horsepower of: 20

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day

(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:  
Refer to Other Side

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 complete 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.

Well Owner:  
Signature: Kim Richards  
Date: April 29, 1993

Landowner:  
Signature:  
Date:  
Contractor:  
Signature:  
Date: 5-7-93

For Official Use Only:
Date Received  
Date Accepted  
Field Checked By  
Date  
Longitude  
Latitude  
Aquifer System Name  
State Well No.  
6/24/92 WCP Fo
CHECKLIST

Type of Permit: __ Well Construction / Pump Installation / Water Use Required

<table>
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<tr>
<th>Well Name</th>
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<tr>
<td>Hualalai Makai Reef</td>
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CHECKLIST

- Well Construction Permit
- Water Use Permit Required Also
  
Well Name & Number: Kaupulehu Resort Well  
Applicant: Kaupulehu Land Company  
Landowner: KS/B.P. Bishop Estate  
Consultant: Roscoe Mass Hawaii, Inc.

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<tr>
<td>Office of Hawaiian Affairs Wastewater Branch</td>
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<td>Dept. of Hawaiian Home Lands</td>
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<td>State Historic Preservation Div.</td>
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<td>Honolulu Board of Water Supply</td>
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<td>Additional List (Molokai)</td>
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<td>Eric Hirano/ Lyann Mizuno</td>
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- Date agenda due: 6/30/93
- Date submittal due: 6/30/93
- Date submittal sent to applicant: 6/24
- Date application approved or disapproved: 7/14/93
- Date applicant notified of decision:

Remarks: **ADD COND: 12 Golf Course Cond**
State of Hawaii  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources  

APPLICATION FOR PERMIT  

<table>
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<tr>
<th>Field</th>
<th>APPLICANT: (may be a, b, or c, but all must be filled in)</th>
</tr>
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</table>
| (a) WELL OWNER | Kaupulehu Land Company  
Firm/Name:  
Contact Person:  
Address: P.O. Box 1119  
Kailua-Kona, Hawaii 96745 |
| (b) LANDOWNER | Kamehameha Schools/B. P. Bishop Estate  
Firm/Name:  
Contact Person:  
Address: 967 South King Street  
Honolulu, Hawaii 96813 |
| (c) CONTRACTOR | Roscoe Moss Hawaii, Inc.  
Firm/Name:  
Contact Person:  
Address: 91-259 Olai Street  
Ewa Beach, Hawaii 96707 |

1. WELL LOCATION/NAME: Kaupulehu Resort  
Island: Hawaii  
Address: No street address; just makai of Mamalahoa Highway  
Tax Map Key: 7-2-036  
[Attach a UGS map, scale 1:2,000, and a property tax map showing well location referenced to established property boundaries.]

2. PROPOSED WORK:  
- Drill New Well
- Install New Pump
- Drill New Well

3. WELL TYPE:  
- Drilled
- Drilled

4. PROPOSED PUMP INFORMATION:  
Rated Pump Capacity: 200 gallons per minute

5. PROPOSED USE:  
- Municipal (including hotels, stores, etc.)
- Golf Course

6. PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day

7. PENDING ACTIONS:  
- CDUA
- SMA
- NONE

8. REMARKS, EXPLANATIONS:  
Refer to Other Side

NOTE: Signing below indicates that the applicant understands that, if the permit request is granted by the Commission on Water Resources 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 a monthly well use report shall be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute the applicant's designation as an operator of an existing water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner: Kim Richards  
Landowner: Kamehameha Schools/B. P. Bishop Estate  
Contractor: Roscoe Moss Hawaii, Inc.

Signature:  
Date: April 29, 1993  
Date:  
Date:  

For Official Use Only:  
Date Received:  
Date Accepted:  
Field Checked By:  
Date:  
Longitude:  
Latitude:  
Aquifer System Name:  
State Well No.:  
6/24/92 WCR Form
9. PROPOSED WELL SECTION

Elevation at top of casing: 232 ft., msl.

Ground Elevation: 230 ft., msl*

Cement Grout: 190 ft.

Rock Packing: None

Hole Diameter: 18 in.

Total Depth: 255 ft.

Solid Casing:
- Material: Steel
- Length: 225 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Casing: Perforated Screen
- Material: Steel
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: None
- 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.
Please Review & Comment: We previously issued a permit for 240 gpm. This one is 250 gpm.
November 3, 2004

Ref: 4859-01.pip

Mr. Jay Uyeda  
Kaupulehu Makai Venture  
P.O. Box 1119  
Kailua-Kona, HI 96745

Dear Mr. Uyeda:

Pump Installation Permit  
Hualalai Makai Irrigation Well (Well No. 4859-01)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 11:

**Special Conditions**

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.
Mr. Jay Uyeda  
Page 2  
November 3, 2004

**IMPORTANT** - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

[Signature]

Peter T. Young  
Chairperson

Enclosure

c: Tom Nance
PUMP INSTALLATION PERMIT
Hualai Makai Irrigation Well, Well No. 4859-01

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the pump installation for Hualai Makai Irrigation Well (Well No. 4859-01) at Makai side of Queen Kaahumanu Hwy, Hawaii, TMK 7-2-10; 11, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 250 gpm rated capacity or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. 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 a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). If the HWCPIS are not followed and as a consequence a water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: October 22, 2004
Expiration Date: October 22, 2006

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5000 per day starting from the permit date of approval.

Permittee's Signature: ____________________________ Date: ____________

Printed Name: ____________________________ Firm or Title: ____________________________

Installer's Signature: ____________________________ C-57, C-57a, or A License #: ____________________________ Date: ____________

Printed Name: ____________________________ Firm or Title: ____________________________

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachments

USGS
Department of Health/Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Tom Nance
September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYNns
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or 10 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 11, Rules Relating to Potable Water Systems, §11-1C-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 10 service connections) and if the well water is used for drinking, the private owner is required to test for bacteriological and chemical presence prior to initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant’s information, a source of possible wastewater contamination [ ] is not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections.

Contact Person: Bill Wong
Phone: 586-4268
Signed: Bill Wong
Date: SEP 21 2004
September 9, 2004

TO: Dede Mamiya, Administrator
    Land Division

FROM: Yvonne Y. Izu, Deputy Director
       Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

X[ ] A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no.

X[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

X[ ] Other comments: Original source of private title is Land Commission Award 7715:10 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: OCT - 1 2004
STATE MESSENGER DELIVERY

Date: 09-16-2004

To: Commission on Water Resource Management
   Department of Land & Natural Resources
   State of Hawaii

From: Department of Health, Wastewater Branch, Planning & Design Section

Attn: Ryan Imada

Subject: Well No. 4859-01 Hualalai Makai

Well No. ________________________________

STATE MESSENGER DELIVERY
TO:  Honorable Chiyome L. Fukino, M.D., Director  
Department of Health  
Attention: Harold Yee, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawoka, Hazardous Evaluation and Emergency Response  
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Hualalai Makena Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 887-0255.

LYN:ss  
Attachment(s)

RESPONSE:  
[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant’s information, a source of possible wastewater contamination [ ] is [ ] located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: Alec Wong Phone: 808-4309

Signed: Alec Wong Date: 9/14/04
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-2.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before utilizing such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination is not located near the proposed site (information attached).

An NPDES permit is required.

Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections NO RECORDS

Contact Person: Lon Kimura
Phone: 0809-294
Signed: [Signature]
Date: 09-16-2004
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
**Commission on Water Resource Management**

**Route Slip for New Applications**

**From:** RYAN

**Date:** 16-Aug-04

**Suspense Date:** 23-Aug-04

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**WELL NUMBER** 4859-01  **WELL NAME** Hualalai Makai Irrigation

- [ ] WELL CONSTRUCTION
- [x] PUMP INSTALLATION
- [ ] BOTH

**Attachments for Application Processing** - Both applicant & staff generated

1. TRANS. LETTER
2. CWRM MAP
3. APPL. FORM (5 COPIES)
4. USGS MAPS (5 COPIES)
5. TAX MAPS (5 COPIES)
6. PARCEL OWNER VERIF.
7. CONTRACTOR VERIF.
8. ALL INFO FILLED IN
9. BACKGROUND CHECK
10. $25 FEE DEPOSIT SLIP
11. DHP, SMA, EA check

**Folder**

- [ ] MADE NEW FILE FOLDER, ATTACHED
- [x] FILE FOLDER ALREADY MADE, IN FILE CABINET

**Incomplete Action Dates**

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September 9, 2004

Mr. Jay Ueda  
Kaupulehu Makai Venture  
P.O. Box 1119  
Kailua-Kona, 96745  96745

Dear Mr. Ueda:

Pump Installation Permit Application for Well No. 4859-01

We acknowledge receipt, on September 8, 2004, of your completed Pump Installation permit application and filing fee for the Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from this date.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

YVONNE Y. IZU  
Deputy Director

LYN:ss

c: Rick Robinson, Kamehameha Schools
September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[ ] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: __________________________ Phone: ____________

Signed: __________________________ Date: ____________
September 9, 2004

TO: Dede Mamiya, Administrator
   Land Division

FROM: Yvonne Y. Izu, Deputy Director
       Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
          Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. **Please respond by returning this cover memo form by October 22, 2004.** If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

**LYN:ss**
Attachment(s)

**RESPONSE:**

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

[ ] A water lease/permit is **not** required of this applicant.

[ ] A water lease/permit has **been obtained** by the applicant through lease no. _______________.

[ ] This well project [ ] **requires** [ ] **does not require** a CDUP. If a CDUP is required it [ ] has [ ] **has not** been approved and [ ] is [ ] **is not** currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: _________________

Signed: ____________________________ Date: ________________
September 9, 2004

TO: Holly McEldowney, Acting Administrator
   Historic Preservation

FROM: Yvonne Y. Izu, Deputy Director
   Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ______________
**PUBLIC RECORD DATA**

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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
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REMARKS: LINE (1) Edward Paradis Well, tmk: 2-7-38:10
LINE (2) Moomuku - 1 Well, tmk: 2-1-005:026
LINE (3) Hualailai Makai Irrigation Well, tmk: 7-2-10:11
LINE (4)
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LINE (10)
Dear Mr. Lau:

Pump Installation Permit Application for
Hualalai Makai Irrigation Well (State No. 4859-01)
North Kona, Hawaii

On behalf of the Kaupulehu Makai Venture, I am pleased to provide this permit application and $25 filing fee for the pump installation permit application for Hualalai Makai Irrigation Well (State No. 4859-01) on TMK 7-2-10:11 in the Hualalai Resort. If you have any questions or require additional information, please feel free to call me or Jay Uyeda at 808-325-8191. Thank you for your consideration.

Sincerely,

Tom Nance

cc: Jay Uyeda

Attachments
APPLICATION FOR PERMIT

APPLICANT on Water Resource Management, Commission may not accept incomplete applications. For assistance, call the Regulation Branch at

WELL & PUMP INFORMATION:

1. WELL OWNER: Kaupulehu Makai Venture
   Mailing Address: P.O. Box 1119
   Kailua-Kona, Hawaii 96745
   Phone: 808-325-8191
   Fax: 808-325-8195
   Contact Person: Jay Uyeda
   E-mail: 

   (b) LAND OWNER: Kamemahema Schools
   Mailing Address: 567 South King Street - Suite 200
   Honolulu, Hawaii 96813
   Phone: 808-322-5300
   Fax: 
   E-mail: 
   Contact Person: Rick Robinson

2. WELL NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address Along Makai Side of Queen Kaahumanu
   Tax Map Key: 4859-01
   Zone: 7
   Sec: 2
   Past: 10
   Parcel: 11

   (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   (b) a property tax map, showing well location referenced to established property boundaries

   Attach:

   3. PROPOSED WORK:
      (check all that apply)
      - Construct New Well
      - Install New Pump*
      - Modify Existing Well
      - Modify Pump*
      - Abandon/Seal*
      - State Well No.: 4859-01
      - (if unknown, please call Commission at 587-0225)

   4. CONSTRUCTION:
      - Drilled
      - Dug
      - Shaft
      - Tunnel

   Is this well part of a battery of wells? □ Yes □ No (Please describe)

   5. PROPOSED PUMPING RATE:
      - 250 gallons per minute

   6. PROPOSED USE:
      (check all that apply)
      - Municipal (including hotels, stores, etc.)
      - Industrial
      - Domestic (individual, noncommercial water system)
      - Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections? □ Yes □ No
      - Irrigation (crop)
      - No of Acres:
      - Military
      - Other (explain): Construction Water

   7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
      - 100,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
      - Flowmeter
      - Open-pipe
      - Weir
      - Orifice

   OTHER IMPORTANT INFORMATION:

   8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
      Conservation District Use Permit (CDUP): To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
      Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OEQC at 586-4185
      Special Management Area Permit (SMAP): To determine if a SMAP is necessary, call OEQC at 586-4185
      Archeological Requirements: To find out if an archeological work is required, call DLNR Historic Preservation

   REMARKS, EXPLANATIONS:
   The pump would be installed to provide brackish water for dust control and other construction requirements.

   For official use only:
   Aquifer System No.
   State Well No.
   Latitude
   Longitude
TRANSMITTAL

To: State of Hawaii
   Department of Land and Natural Resources
   Attn: Michael D. Wilson, Chairperson

COMMISSION ON WATER RESOURCE MANAGEMENT
   Post Office Box 621
   Honolulu, Hawaii 96809

Re: Hualalai Makai Irrigation Well No. 4859-01
   Hualalai Saltwater Wells Nos. 4959-01 to 04

We are Sending: Attached

Description:
   Executed Pump Installation Permit for Hualalai Makai Irrigation Well No. 4859-01
   Executed Well Construction/Pump Installation Permits for Hualalai Saltwater Wells Nos. 4959-01 to 04.

These are Transmitted as Checked Below:

   _ For Approval       _ Approved as Submitted
   _ For Your Use       _ Approved as Noted
   _ As Requested      _ Returned for Corrections
   _ For Review & Comment _ Other

Remarks:

Copy to: M. Swanson

Signed: John Mansour

P.O. BOX 1119, KAILUA-KONA, HAWAII 96745
(808) 325-0808  FAX (808) 325-1400
COURIER: FOUR SEASONS SITE
QUEEN KAAHUMANU HIGHWAY, NORTH 87 MILE MARKER
KAUPULEHU-KONA, HAWAII 96740
PUMP INSTALLATION PERMIT
for
Hualalai Makai Irrigation Well
Well No. 4859-01

To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
PUMP INSTALLATION PERMIT
Well No. 4859-01

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issue: 10/30/95
Date of Approval: October 18, 1995

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: Nov. 6, 1995
Printed Name: Michael T. Swanson
Firm or Title: V.P. Construction

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

Attach. cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
Do we have the pump test results & production water use reports?

If not, request GORM to have applicant submit.

Mark Allen: Sunday
To: Hualalai Development Company  
P.O. Box 1119  
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

**STANDARD PUMP INSTALLATION PERMIT CONDITIONS**

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

**Special Conditions**

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

---

**Signature:**

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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

---

Attach. cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for a Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)
Installation of a 240 gpm Pump
for golf course use.

TMK 7-2-3:6 Kaupulehu, North Kona, Hawaii

Applicant: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Landowner: Same

Action Requested: Permission to install a 240 gpm pump in Hualalai Makai Irrigation Well, to be used for golf course irrigation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona, at Tax Map Key 7-2-3:6 (see Attachment A).

Well Description (see Attachment B):

Ground elevation: 249 ft.
Hole diameter: 18 in.
Solid casing depth: 250 ft.
Screen casing depth: 20 ft
Open hole: none
Total depth: 270 ft.
Anticipated pump size: 240 gpm

Agency Review: The application was circulated to the State DLNR's Divisions of Historic Preservation and Aquatic Resources, the Office of Hawaiian Affairs, the Departments of Hawaiian Home Lands and Health, Hawai'i County Department of Water Supply, and to the Sierra Club Legal Defense Fund.

Historic Preservation commented that Hualalai Development Company has yet to complete a preservation plan; they recommend deferral of approval until they are able to evaluate proposed wells in relation to historic sites. Aquatic Resources noted the project's proximity to coastal waters, suggesting that mitigation measures be taken to prevent drill...
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 240 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

   The applicant shall conduct a 48-hour step drawdown and a seven-day continuous pumping test, according to standard aquifer test procedures (Attachment D).

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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 521
HONOLULU, HAWAII 96809

STAFF SUBMITTAL
for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for Well Construction/Pump Installation Permits
Hualalai Saltwater Wells (Well Nos. 4959-01 to 04)
Construction of four 12-inch diameter, 100-foot deep Wells
and Installation of 850-gpm Pumps
for seawater pond circulation
TMK 7-2-3:4 & 5 Kaupulehu, North Kona, Hawaii

Applicant: Hualalai Development Company
Landowner: Same

P.O. Box 1119
Kailua-Kona, Hawaii 96745

Action Requested: Expedited permission to construct four 12-inch diameter, 100-foot deep wells, and installation of 850-gpm pumps in Hualalai Saltwater Wells 1-4, for seawater pond circulation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona at Tax Map Key 7-2-3:4 & 5 (see Attachment A).

Well Description: (see Attachment B)

Ground elevation: 9 & 11 ft.
Hole diameter: 16 in
Solid casing depth: 50 ft.
Screen casing depth: 50 ft
Open hole: none
Total depth: 100 ft.
Anticipated pump size: 850 gpm
1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Respectfully submitted,

Edwin T. Salceda
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
Ms. Kim Richards
Hualalai Development Co.
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Ms. Richards:

Well Construction Permit Applications
Hualalai Saltwater Wells (Well Nos. 4959-01 thru 03)
Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

We acknowledge receipt, on July 24, 1995, of your completed well construction permit applications for Hualalai Resort Salt Water Wells 1, 2, and 3 (Well Nos. 4959-01 thru 03), and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from the date of receipt.

We have been informed by your consultant, Mr. Tom Nance, that due to ongoing construction at these well sites, you are requesting an expedited processing of the Saltwater Well permits. As required by §13-168-12(c):

"The Commission may issue or cause to be issued a permit only if the proposed construction complies with all applicable laws, rules, and standards. Before an application for a well construction permit is approved by the department, the Commission shall cause such application to be reviewed by the Department of Health [DOH] for compliance with their rules and standards concerning, among other things, the appropriateness of the well location."

We are requesting DOH to respond by September 14, 1995, which is a shorter period than is normally required. You may wish to call DOH, Mr. Tom Arizumi, at 586-4304, to help expedite their review.

If you have any questions about your well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Sincerely,

RAE M. LOUI
Deputy Director

cc:
Kamehameha Schools/Bishop Estate
Water Resources International, Inc.
Tom Nance, TNWRE
TO: Honorable Lawrence Miike, Director  
Department of Health  
Attention: Mr. Dennis Tulang, Wastewater Branch  
Mr. William Wong, Safe Drinking Water Branch  

Honorable Kali Watson, Chairman  
Hawaiian Homes Commission  

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

Mr. Milton Pavao, Manager  
Hawaii Department of Water Supply  

Ms. Donna Fay K. Kiyosaki, Manager and Chief Engineer  
County of Hawaii, Department of Public Works  

FROM: Michael D. Wilson, Chairperson  
Commission on Water Resources Management  

SUBJECT: Well Construction Permit Applications for  
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (Well No. 4859-01)  

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).  

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.  

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.  

Response:  

( ) We have no objections  
( ) Comments attached  

Contact Person:_________________________ Phone:_________________________  

Signed:_________________________ Date:_________________________
TO: Don Hibbard, Administrator  
Division of Historic Preservation  

William Devick  
Division of Aquatic Resources  

Marjorie Ziegler  
Sierra Club Legal Defense Fund  

David Martin  
Native Hawaiian Advisory Council  

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

SUBJECT: Well Construction Permit Applications for  
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (Well No. 4859-01)  

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).  

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.  

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.  

Class Attachment(s)  

Response:  
( ) We have no objections  
( ) Comments attached  

Contact Person: ___________________________ Phone: ___________________________  

Signed: ___________________________ Date: ___________________________
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, HI 96745-1119
808-325-0808
808-325-1400 (fax)

*** Facsimile Transmission ***

To: Mr. Roy Hardy
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii

F. No: 808-587-0219
From: Jeff Mongan
Date: August 24, 1995
Re: Well Construction and Pump Installation Permit Application For
Irrigation and Saltwater Circulation Wells at Hualalai Resort

No. of Pages (incl. cover) 2

Message:

Dear Mr. Hardy:

Attached is the information you requested regarding the County zoning designations and clarification of the T.M.K. parcel numbers for the above referenced applications.

Please call me if you have any further questions.

Sincerely,

Jeffrey J. Mongan

cc: Tom Nance
Roger Harris
9. PROPOSED WELL SECTION
(See Attached Well Plan and Section)

- Elevation at top of casing: 12 ft., msl.
- Ground Elevation: 11 ft., msl.
- Cement Grout: 45 ft.
- Rock Packing: 55 ft.
- Hole Diameter: 19 in.
- Total Depth: 100 ft.

**Solid Casing:**
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.

**Casing:**
- Perforated: Yes
- Screen: Yes
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.
- Openings: 60 sq. in./L.F.

**Open Hole:**
- Length: None
- Diameter: None

*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.

Attachment B
APPLICATION FOR PERMIT

6-26-95

☐ Well Construction  ☐ Pump Installation

94-50

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: Hualalai Development Company
   Contact Person: Kim Richards
   Address: P.O. Box 1119
   Kailua-Kona, Hawaii 96745
   Tax Map Key: 7-2-03:6

   (b) LANDOWNER: Kamehameha Schools/BP
   Firm/Name: Bishop Estate
   Contact Person:
   Address: 567 South King Street, Suite 200
   Honolulu, Hawaii 96814

   (c) CONTRACTOR
   Firm/Name: Water Resources Int'l, Inc.
   Contact Person: Contractor's C-57 License No.
   Address: 1100 Alakea Street, Suite 2900
   Honolulu, Hawaii 96813

2. WELL LOCATION/NAME: No. 1-(4859-01)
   Address: No Street Address (Just makai of Queen Kaahumanu
   Island Hawaii
   HIGHWAY
   (Attach a USGS map, scale 1"=2000, and a property line map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK:
   - Drill New Well
   - Modify Existing Well
   - Redrill
   - Deepen
   - 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.)

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity:
   240 gallons per minute
   - Pump Type:
     - Deep Well Turbine
     - Submersible
     - Centrifugal
   - Motor:
     - Diesel
     - Gas
     - Electric, rated horsepower of 40 HP

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)
   □ Military
   □ Irrigation (prop)
   Golf Course
   □ Other (explain)
   State Land Use District:
   □ Urban
   □ Agriculture
   □ Rural
   □ Conservation
   County Zoning (describe)
   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
     - Flow-meter
     - Open-pipe
     - Office Plate
     - Well

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

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

NOTE: Signing below indicates that the applicant understands that, if the permit 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.

Well Owner: Hualalai Development Co.
Landowner: Kamehameha Schools/BP Bishop Estate
Contractor ____________________________

Signature: ____________________________
Date: 7-21-95

For Official Use Only:
Date Received ____________________________
Date Accepted ____________________________
Field Checked By ____________________________
Date ____________________________
Longitude ____________________________
Latitude ____________________________
AQUIFER SYSTEM NAME ____________________________
STATE WELL NO. ____________________________

____________________________
6-26-95
HUALALAI DEVELOPMENT COMPANY
WELL CONSTRUCTION/PUMP INSTALLATION PERMIT APPLICATIONS
HUALALAI RESORT
24-Aug-95

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8. REMARKS, EXPLANATIONS: Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. PROPOSED WELL SECTION

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*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.
APPLICATION FOR PERMIT

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: Hualalai Development Company
      Contact Person: Kim Richards
      Address: P.O. Box 119
      Kailua-Kona, Hawaii 96745
   (b) LANDOWNER: Kamehameha Schools/BP Bishop Estate
      Firm/Name: BP Bishop Estate
      Contact Person: Ph: 523-6200
      Address: 567 South King Street, Suite 200
      Honolulu, Hawaii 96813
   (c) CONTRACTOR
      Firm/Name: Water Resources Int'l, Inc.
      Contact Person: Ph: 531-8422
      Address: 1100 Alakea Street, Suite 2900
      Honolulu, Hawaii 96813

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address
   (Just makai of Queen Kaahumanu Highway)
   (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 □ Redirig
       □ 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.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 240 gallons per minute
   Pump Type:
   □ Deep Well Turbine □ Rotary □ Propeller □ Motor:
   □ Submersible □ Rotary-Displacement □ Reciprocating □ Diesel
   □ Centrifugal □ Rotary-Gear □ Electric, rated horsepower of 40 HP
   □ Impulse

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT: □ Flowmeter □ Open-pipe □ Orifice Plate □ Weir

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

8. REMARKS, EXPLANATIONS: See Reverse Side

(If more space is needed, continue on back)

STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

APPLICATION FOR PERMIT

☐ Well Construction or ☐ Pump Installation

Instructions: Please print in ink or type and send complete application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225.

1. APPLICANT: (may be a, b, or c, but all must be filled in)
   (a) WELL OWNER
      Firm/Name: Hualalai Development Company
      Contact Person: Kim Richards
      Address: P.O. Box 119
      Kailua-Kona, Hawaii 96745
   (b) LANDOWNER: Kamehameha Schools/BP Bishop Estate
      Firm/Name: BP Bishop Estate
      Contact Person: Ph: 523-6200
      Address: 567 South King Street, Suite 200
      Honolulu, Hawaii 96813
   (c) CONTRACTOR
      Firm/Name: Water Resources Int'l, Inc.
      Contact Person: Ph: 531-8422
      Address: 1100 Alakea Street, Suite 2900
      Honolulu, Hawaii 96813

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address
   (Just makai of Queen Kaahumanu Highway)
   (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 □ Redirig
       □ 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.)

4. PROPOSED PUMP INFORMATION: Rated Pump Capacity: 240 gallons per minute
   Pump Type:
   □ Deep Well Turbine □ Rotary □ Propeller □ Motor:
   □ Submersible □ Rotary-Displacement □ Reciprocating □ Diesel
   □ Centrifugal □ Rotary-Gear □ Electric, rated horsepower of 40 HP
   □ Impulse

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT: □ Flowmeter □ Open-pipe □ Orifice Plate □ Weir

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

8. REMARKS, EXPLANATIONS: See Reverse Side

(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 approved 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 constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Well Owner
Firm/Name: Hualalai Development Co.
Signature: Kim Richards
Date: 7-21-95

Landowner
Firm/Name: BP Bishop Estate
Signature: Ph: 523-6200
Date: 7-21-95

Contractor
Firm/Name: Water Resources Int'l, Inc.
Signature: Ph: 531-8422
Date: 7-21-95

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Date
Longitude
Latitude
Aquifer System Name
State Well No.

6/24/95
8. REMARKS, EXPLANATIONS: Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. PROPOSED WELL SECTION

- Elevation at top of casing: 250.75 ft., mal.
- Cement Grout: 220 ft.
- Rock Packing: None
- Hole Diameter: 18 in.
- Total Depth: 270 ft.
- Ground Elevation: 248.95 ft., mal.
- Solid Casing: Steel
  - Material: Steel
  - Length: 250 ft.
  - Diameter: 10" ID
  - Wall thickness: 0.312 in.
- Casing: □ Perforated □ Screen
  - Material: Steel
  - Length: 20 ft.
  - Diameter: 10" ID
  - Wall thickness: 0.312 in.
  - Openings: □ sq. in./L.F.
- Open Hole: Length: 0 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.
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**TOTAL $100.00**

**MARKS:**
- **LINE (1)** Hualalai Makai Irrigation Well
- **LINE (2)** Hualalai Resort - Saltwater Well No. 1
- **LINE (3)** Hualalai Resort - Saltwater Well No. 2
- **LINE (4)** Hualalai Resort - Saltwater Well No. 3
PAY  ** Twenty-five and 00/100 **  DOLLARS $ *25.00*

TO THE ORDER OF  Department of Land and Natural Resources

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<td>$25.00</td>
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</tbody>
</table>
Mr. Mike Wilson
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Wilson:

Well Construction and Pump Installation Permit Applications For
Irrigation and Saltwater Circulation Wells at Hualalai Resort

Enclosed are a pump installation permit application for Well 4859-01 and three combined well construction and pump installation permit applications for saltwater circulation wells, all to be located within Hualalai (formerly Kaupulehu) Resort in North Kona, Hawaii. Well 4859-01 is an existing brackish well located just makai of Queen Kaahumanu Highway. It would be used to supplement the supply from the Resort's two mauka irrigation wells (State Nos. 4757-01 and -02) to irrigate the Resort's golf course and roadway landscaping.

The three saltwater circulation wells would be located in the lowlying, nearshore area of the Resort. These would be used to speed up the natural turnover rate in three brackish to saline, nearshore water features, thereby improving water clarity and limiting algae growth. Drawings of the proposed skimming-type well construction are enclosed with the applications.

If you have any questions of these applications, feel free to call Roger Harris at Hualalai Development Company (808-325-0808) or me.

Sincerely,

Tom Nance

Enclosures

cc: Roger Harris - HDC
** Twenty-five and 00/100 **
DOLLARS $25.00*

TO THE ORDER OF
Department of Land and Natural Resources

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-21-95</td>
<td>Job No. 94-50: Hualalai Makai Irrigation Well Filing Fee For Pump Installation Permi</td>
<td>$25.00</td>
</tr>
</tbody>
</table>
A. STATE WELL NO. 4859-01
B. LOCATION KAUPULEHU FOUR SEASONS KONA
C. WELL OWNER KAUPULEHU LAND CO
D. DRILLING OR PUMP INSTALLATION CONTRACTOR ROSCOE MOSS HAWAII, INC.
E. TYPE OF RIG ROTARY
F. DATE OF WELL COMPLETION FEB 1994
G. GROUND ELEVATION (msl) 249.5 ft.
H. TOTAL DEPTH OF WELL BELOW GROUND 270 ft.
I. HOLE SIZE: 18 inch dia. from 0 ft. to 270 ft. below ground
J. CASING INSTALLED:
10 in. I.D. x .312 in. wall solid section to 250 ft. below ground
10 in. I.D. x .312 in. wall perforated section to 270 ft. below ground
K. ANNULUS: Grouted from 0 ft. to 220 ft. below ground
L. PERMANENT PUMP INSTALLATION:
Pump type, make, serial No. Capacity
Motor type, H.P., voltage, r.p.m. Depth of pump intake setting ft. below
Depth of bottom of airliner ft. below
which elevation is ft.
M. PROPOSED USE
N. INITIAL WATER LEVEL 247.3 ft. below ground
O. INITIAL CHLORIDE
P. PUMPING TESTS: Reference point (R.P.) used:
Q. DRILLER'S LOG:
R. REMARKS:

FOR DRILLER'S USE
Job Name
Job No.

FOR OFFICIAL USE
Lat 19 48 59
Long 155 59 01
Well No. 4859-01
**PUMPING TEST RECORD**

for

**Kapulehu Land Co.**

Well **#1**

(Kaupulehu Island Hawaii Project or Job No. 31-93K 19 94)

**Description of Well**—

1. Elevation: ground surface **?** ft., top of casing **?** ft., rotary table **?** ft., referenced to ground benchmark.
2. Total depth of well **770** ft.; or **?** ft. elevation, msl
3. 10 in. solid casing to **250** ft. depth, perforated to **270** ft. depth
4. Static water level on **7/29/74**; **247.9** ft. below ground surface, top of casing; or **?** ft. elevation msl measured **Airline** method

**Description of Pump and Pump Setting**—

5. **Turbine** type pump with **10** stage bowl assembly
6. Gasoline diesel, electric, power with **65** horsepower
7. Shaft speed: **3000** rpm at **200** gpm flow
8. Depth of pump intake: **66.3** ft. below MOPD; or **?** ft. elev. msl
9. Depth of airline bottom: **61** ft. below MOPD; or **?** ft. elev. msl
10. Center of gage: **?** ft. elev., msl. Flow measured with **?** method

**Date & Time** | **Sample No.** | **Pumping rate (gpm)** | **Airline FSI (feet)** | **Drawdown (feet)** | **Chlorides (ppm)** | **Temp. (°F)** | **Cond. (mmhos 25°C)**
--- | --- | --- | --- | --- | --- | --- | ---
1/29 | A | 0 | 5.65 | | | |
6:00 | A | 200 | 5.65 | 68.5 | 68.1 |
7:00 | A | 200 | 5.65 | | | |
8:00 | A | 200 | 5.65 | | | |
9:00 | A | 200 | 5.65 | | | |
10:00 | A | 200 | 5.65 | | 700 |
11:00 | A | 200 | 5.60 | | | |
12:00 | A | 200 | 5.55 | | | |
1:00 | P | 200 | 5.55 | | | |
2:00 | P | 200 | 5.50 | | | |
3:00 | P | 200 | 5.50 | | | |
4:00 | P | 200 | 5.50 | | | |
5:00 | P | 200 | 5.50 | | | |
6:00 | P | 200 | 5.55 | | | |
7:00 | P | 200 | 5.60 | | | |
8:00 | P | 200 | 5.65 | | | |
9:00 | P | 200 | 5.65 | | | |
10:00 | P | 200 | 5.65 | | | |
11:00 | P | 200 | 5.65 | | | |
12:00 | P | 200 | 5.65 | | | |
1:00 | A | 200 | 5.60 | | | |

Sheet No. 1 of ____ Sheets
# PUMPING TEST RECORD

**Kaupulehu Land Co.**

*Well #1*

*(name)*

*(No.)*

**Kaupulehu Island**

**Hawaii**

Project or Job No.

31-93R 1994

<table>
<thead>
<tr>
<th>Date &amp; Time</th>
<th>Sample No.</th>
<th>Pumping Rate (gpm)</th>
<th>Airline PSI (feet)</th>
<th>Drawdown (feet)</th>
<th>Chlorides (ppm)</th>
<th>Temp. (°F)</th>
<th>Cond. (mmhos 25°C)</th>
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<tr>
<td>2:00</td>
<td></td>
<td>200</td>
<td>5.55</td>
<td></td>
<td>700</td>
<td>68.1</td>
<td></td>
</tr>
<tr>
<td>3:00</td>
<td></td>
<td>200</td>
<td>5.50</td>
<td></td>
<td></td>
<td></td>
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<td>4:00</td>
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<td>200</td>
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<tr>
<td>5:00</td>
<td></td>
<td>200</td>
<td>5.60</td>
<td></td>
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<tr>
<td>6:00</td>
<td></td>
<td>200</td>
<td>5.65</td>
<td></td>
<td></td>
<td></td>
<td>Shutdown</td>
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<tr>
<td>6:05</td>
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<td>0</td>
<td>5.65</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
December 13 1993

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

Dear Commission,

Enclosed please find a copy of our signed well construction permit #4859-01. Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager
TO: Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
December 9, 1993

Mr. Keith Ahue
Chairperson
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
Honolulu, HI 96809

Dear Keith,

In accordance with our Well Construction Permit for Kaupulehu Resort, Well No. 4859-01, Kaupulehu, North Kona, Hawaii, we are notifying your department of our intent to begin construction within the next week.

Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager

cc: M. Swanson
    R. Harris
    G. Fukumitsu

ตรา {/ issuing 7/28/93}
MEMORANDUM

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

FROM: Don Hibbard, Administrator
       State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Kaupulehu Land Company
         (Well No. 4859-01)  
         Kaupulehu, North Kona, Island of Hawai‘i
         TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

In response to our Memorandum, dated August 30, 1993, to your office requesting additional locational information for the subject well, Kaupulehu Land Company has submitted a map to our office showing the location of the well with respect to significant historic sites identified in the property. The map clearly indicates that the well location is well away from any of the significant historic sites. Hence, the subject action will have "no effect" on historic sites.

fc: Roger Harris, Kaupulehu Land Company

KS:III
TO: Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745

The Commission on Water Resource Management (Commission), on July 28, 1993, approved a permit for the construction and testing of Kaupulehu Resort Well (Well No. 4859-01). We have recently received comments from the State Historic Preservation Division (SHPD) concerning your project. Enclosed are the comments from the SHPD. We would appreciate your contacting them to find out what steps are required to satisfy their concerns. Condition 6 of our permit states:

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

We appreciate your cooperation in this matter.

Very truly yours,

Enclosure  
c: State Historic Preservation Division
MEMORANDUM

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

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Well No. 4859-01,
Kaupulehu Land Co.
Kaupulehu, North Kona, Island of Hawaii
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

Our Tax Map Key Map Volume does not show the subject parcel; however, the property is within a section (TMK: 7-2-03: 001) of Kaupulehu ahupua'a that underwent archaeological inventory survey in 1989 by the consulting archaeologist firm of Paul H. Rosendahl, Inc. Two trail sections, one oriented mauka-makai (site no. 10977) and the other paralleling the shoreline (site no. 10783), were identified during the survey in the vicinity of the proposed well site No. 4859-01. These two trail sections were recommended for preservation as part of the mitigation plan (Jensen and Rosendahl 1989: "Archaeological Mitigation Program, Kaupulehu Makai Project, Land of Kaupulehu, North Kona District, Island of Hawaii") to allow development of the parcel. This current undertaking should conform with those preservation commitments.

We cannot determine from the location map accompanying the application just where the well will be constructed with respect to the location of the two preserved trail sections. Hence, we recommend that no action be taken on the subject application until we can clearly establish the location of the preserved trails with respect to the well location, to ensure that the well construction will have "no adverse effect" on the preserved trails. This can be accomplished either of two ways. A field check could be undertaken by our staff archaeologist to ascertain the location of the well will not impact the trails in any way or a location map could be furnished our office by the applicant(s) clearly showing the locations of the well and the two trails to the degree
that it can be determined that the trails will not be impacted at all by the well construction. Our office is amenable to either option.

If the well project would impact either of the two trails then the well project would have to be relocated to conform with the prior mitigation commitments.

For further assistance, please contact Kanalei Shun at 587-0007.

KS: amk
WELL CONSTRUCTION PERMIT

for

Kaupulehu Resort Well
Well No. 4859-01
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
WELL CONSTRUCTION PERMIT
Well No. 4859-01

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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.

enclosure
c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
State Historic Preservation Division
Hawaii Department of Water Supply
Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kaupulehu Land Company
Application for a Well Construction Permit
Kaupulehu Resort Well (Well No. 4859-01)
Kaupulehu, North Kona, Hawaii

Applicant: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

Landowner: Same

Action Requested: Permission to construct and test Kaupulehu Resort Well (Well No. 4859-01) for golf course irrigation use. The proposed amount of use is 175,000 gallons per day (0.175 mgd).

Well Location: The proposed well will be located at the Kaupulehu Resort, Hawaii (see attached map) at Tax Map Key: 7-2-03: 6.

Well Description:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground elevation</td>
<td>230± ft.</td>
</tr>
<tr>
<td>Casing diameter</td>
<td>12 inches</td>
</tr>
<tr>
<td>Solid casing depth</td>
<td>225 ft.</td>
</tr>
<tr>
<td>Screen casing depth</td>
<td>255 ft.</td>
</tr>
<tr>
<td>Open hole</td>
<td>none</td>
</tr>
<tr>
<td>Total depth</td>
<td>255 ft.</td>
</tr>
<tr>
<td>Grouted annulus</td>
<td>0 to 190 ft.</td>
</tr>
<tr>
<td>Proposed pump capacity</td>
<td>200 gpm</td>
</tr>
</tbody>
</table>

Agency Review: The application has been sent to the Hawaii County Departments of Water Supply and Public Works, the State Historic Preservation Division, the Office of Hawaiian Affairs, and to the State Departments of Health and Hawaiian Home Lands for review. There have been no objections to the project.

Analysis: The well is expected to develop brackish basal ground water. The well could possibly adversely affect Kona Villages Wells (Well Nos. 4858-01 to 03) located about 5,800 ft. southeast (upgradient). The applicant will be required to determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

Water Availability. The well will be located in the Hualalai Sector, Kiholo Aquifer System of Hawaii. Sustainable yields for the Kiholo System and the Hualalai Sector are estimated at 18 mgd and 56 mgd respectively. Existing use from the Hualalai Sector is about 10 mgd. Water needs from the Hualalai Sector are estimated to be 38 mgd by the year 2010. The well is not listed in the Hawaii Water Use and Development Plan.
Chairperson and Members
Commission on Water Resource Management

RECOMMENDATION:

That the Commission on Water Resource Management (Commission) approve the issuance of a well construction permit for Kaupulehu Resort Well subject to the following conditions:

1. The Commission shall be notified before work commences.

2. The permit shall be for construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct the well shall not constitute a determination of correlative water rights.

4. The applicant shall determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

8. 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.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE
ITEM 7  COUNTY OF MAUI, DEPARTMENT OF PARKS & RECREATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, LAHAINA CIVIC CENTER WELL (WELL NO. 5441-01), LAHAINA, MAUI

The date in condition no. 8 was corrected to July 28.

Unanimously approved with amendment of revised date. (Nakata/Cox)

ITEM 8  KAPALUA LAND COMPANY, APPLICATION FOR A PUMP INSTALLATION PERMIT, KAPALUA 2 (WELL NO. 5938-03), HONOKAHAU, MAUI

Mr. Cliff Jamille, applicant, had no objections to the conditions or recommendations.

Unanimously approved. (Cox/Nakata)

ITEM 9  LANAI COMPANY, INC., APPLICATION FOR A PUMP INSTALLATION PERMIT, LANAI WELL 12 (WELL NO. 4552-01), LANAI

Mr. Vince Bagoyo stated that corrections be made in the usage. In addition to dust control and golf course irrigation, the proposed usage will also be used for other landscaping irrigation.

Mr. Penn asked questions and made comments. See Commission file.

Mr. Cox recommended approval as amended to add landscape irrigation as a proposed usage.

Unanimously approved as amended. (Cox/Nakata)

ITEM 10  JON F. ANDERTON, APPLICATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, ALIOMANU-ANDERTON WELL (WELL NO. 0919-04), ALIOMANU, KAUAI

Unanimously approved. (Cox/Nakata)

ITEM 11  KAUPULEHU LAND COMPANY, APPLICATION FOR A WELL CONSTRUCTION PERMIT, KAUPULEHU RESORT WELL (WELL NO. 4859-01), KAUPULEHU, NORTH KONA, HAWAII

Mr. Tom Nance, consultant representing Kaupulehu Land Company, stated that this is purely an exploratory effort.

Mr. Penn presented testimony. See Commission file.

The applicant was requested to discuss the project and potential impacts with interested persons in the area.

Mr. Fujimura made a motion to amend recommendation 4 to include the determination of effects on ponds and dug wells.

Unanimously approved to accept recommendations as amended. (Fujimura/Cox)
The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Well and Pump Applications

Thank you for the opportunity to comment on the following applications:

Maui:
Lahaina Civic Center (5441-02)
Kapalua #2 (5938-03)
Wailea #6A (4026-07)

Kaua'i:
Aliomanu (0919-04)

Hawaii:
Hawi #2 (7349-01)
Hāna #1 (7349-01)

The Department of Hawaiian Home Lands has no objections to these projects.

We note the Anderton application (Aliomanu), with interest, as an opportunity to learn more about the groundwater resource of northeastern Kaua'i, between the Anahola and Moloaa tracts of Hawaiian home lands.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
Ms. Donna Fay K. Kiyosaki
Chief Engineer
Department of Public Works
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by Jul 15 1993.

<table>
<thead>
<tr>
<th>Island</th>
<th>Well Name</th>
<th>Well No.</th>
<th>Application Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maui</td>
<td>Lahaina Civic Center</td>
<td>5441-02</td>
<td>Well Construction</td>
</tr>
<tr>
<td>Maui</td>
<td>Kapalua Well 2</td>
<td>5938-03</td>
<td>Pump Installation</td>
</tr>
<tr>
<td>Maui</td>
<td>Wailea Well 6A</td>
<td>4026-07</td>
<td>Well and Pump</td>
</tr>
<tr>
<td>Kauai</td>
<td>Aliomanu-Anderton</td>
<td>0919-04</td>
<td>Well and Pump</td>
</tr>
<tr>
<td>Hawaii</td>
<td>&quot;Hawaiian Well 2&quot;</td>
<td>7349-01</td>
<td>Pump Installation</td>
</tr>
<tr>
<td>Hawaii</td>
<td>&quot;Kaupulehu Resort&quot;</td>
<td>4859-01</td>
<td>Well Construction</td>
</tr>
</tbody>
</table>

Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

JZ:ko
Enc.
Response:

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

Contact Person: Ed Yoshida  Phone: 961-8327
Signed: Ed Yoshida  Date: 7/1/93
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Ms. Kiyosaki:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by

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<td>Aliomanu-Anderton</td>
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<td>Hawi Well 2</td>
<td>7349-01</td>
<td>Pump Installation</td>
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<td>Kaupulehu Resort</td>
<td>4859-01</td>
<td>Well Construction</td>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

JZ:ko  
Enc.
Response:

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

Contact Person: ___________________________ Phone: ________________

Signed: ___________________________ Date: ________________
MEMORANDUM

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

   Mr. Clayton H.W. Hee, Chairman & Trustee At Large
   Office of Hawaiian Affairs

FROM: Keith W. Ahue, Chairperson

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s), pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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<td>4859-01</td>
<td>Well Construction</td>
</tr>
</tbody>
</table>

Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Enc.

Response:

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

Contact Person: ____________________________ Phone: ____________

Signed: ____________________________ Date: ____________
Ms. Marjorie Ziegler
Sierra Club Legal Defense Fund, Inc.
212 Merchant Street, Room 202
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUN 16 1993.

<table>
<thead>
<tr>
<th>Island</th>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

JZ:ko
Enc.
Response:

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

Contact Person: ____________________________ Phone: ____________

Signed: ____________________________ Date: ____________
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
Department of health  
Five Waterfront Plaza  
500 Ala Moana Blvd., Suite 250  
Honolulu, Hawaii 96813  

Attn: Mr. William Wong  

Dear Mr. Arizumi:  

Well Construction and Pump Installation Permit Application  

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUN 16 1993.  

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director
MEMORANDUM

TO: Dr. Don Hibbard, Director
    Historic Preservation Division

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

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 15 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

JZ:ko
Enc.

Response:

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

Contact Person: ___________________________ Phone: ___________________________
Signed: ___________________________ Date: ___________________________
Mr. Kim Richards  
Kaupulehu Land Company  
P.O. Box 1119  
Kailua-Kona, HI 96745

Dear Mr. Richards:

We have received your application and filing fee for a permit to construct Kaupulehu Resort Well (Well No. 4859-01) in North Kona, Hawaii (TMK 7-2-03:6). We are reviewing the application for completeness.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director

JZ:ko
Ms. Rae Loui
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Loui:

Well Drilling Permit Application for
Kaupulehu Resort in North Kona, Hawaii

We are pleased to submit the enclosed well drilling permit and $25 filing fee on behalf of Kaupulehu Land Company (KALACO). The application is to construct and test a well within the Kaupulehu Resort property to determine if water of adequate quality for irrigation can be developed from the underlying brackish basal lens. If the results are acceptable, up to three more wells may be drilled to irrigate the Resort's golf course.

Please feel free to contact me or Jeff Mongan at KALACO (325-0808) if you have any questions. Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc: Jeff Mongan - KALACO
Enclosures
**PAY**  ***TWENTY FIVE DOLLARS NO CENTS***  DOLLARS $25.00

TO THE ORDER OF DEPARTMENT OF LAND AND NATURAL RESOURCES

---

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY, NO RECEIPT DESIRED.

<table>
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<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
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<td>5/12/93</td>
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4859-01

KAUPOLEHU RESORT
WELL.
APPLICATION FOR PERMIT

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

APPLICANT: (may be a, b, or c, but all must be filled in)
(a) WELL OWNER
Firm/Name: Kaupulehu Land Company
Contact Person: Kim Richards
Address: P. O. Box 1119, Kailua-Kona, Hawaii 96745
(b) LANDOWNER
Firm/Name: Kamehamea Schools/B. P. Bishop Estate
Contact Person: Ph. 523-6200
Address: 567 South King Street, Honolulu, Hawaii 96813
(c) CONTRACTOR
Firm/Name: Roscoe Moss Hawaii, Inc. Ph. 682-5856
Contractor's C-57 License No.: C16437
Address: 91-259 Olai Street, Ewa Beach, Hawaii 96707

1. WELL LOCATION/NAME:
Kaupulehu Resort
Island: Hawaii
Address: No street address; Just makai of Mamalahoa Highway
Tax Map Key: 7-2-036

2. (a) PROPOSED WORK:
- Drill New Well
- Remove Existing Well
- Redrill
- 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

3. PROPOSED PUMP INFORMATION:
Rated Pump Capacity: 200 gallons per minute

4. PROPOSED PUMP INFORMATION:

(a) PROPOSED AMOUNT OF WITHDRAWAL:
175,000 gallons per day

(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:
Refer to Other Side

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 or determine of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Date: April 29, 1993
Signature: Kim Richards

Date: 7-7-93
Signature: [Signature]

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Longitude
Date
AQUIFER SYSTEM NAME
STATE WELL NO.

6/29/93 WCR Form
CHECKLIST

Type of Permit: _ Well Construction ✓ Pump Installation _ Water Use Required

Well Name: Hualalai 'Akua Int No. 4839-01 Island: Hawaii
Applicant: Hualalai Development Co. Landowner: Kom Ola I Bishop Estate
Consultant: INWRE

Appl Recd: 7/24/95 +90 days
Mapped/#: 8/23/95 Logcomp: 8/20/95 Logbk: 8/20/95
Acknowlgment: SEP - 5 1995 Ch 343 pau
Fee Depos: 6/28/95 Tent CWRM Action

Copies Sent for Review
DoH/ Drink Water Sent: SEP - 5 1995
Wastewater: SEP - 5 1995
Hist. Preserv: SEP - 5 1995
Aquar Res: SEP - 5 1995
OHA: SEP - 5 1995
DHHL: SEP - 5 1995
Honolulu BWS: SEP - 5 1995
Maui DoW: SEP - 5 1995
Kauai DoW: SEP - 5 1995
Hawaii DoW: SEP - 5 1995
PW: SEP - 5 1995
SCLDF: SEP - 5 1995
Com: NHAC: SEP - 5 1995

Comments Recd

Bulletin to Agenda
Submittal to Appl
CWRM _Appr _Deny
Permit/Notice to Appl
CHECKLIST

✓ Well Construction Permit ___ Pump Installation Permit

___ Water Use Permit Required Also

Well Name & Number: Kaupulehu Resort Well
Island: Hawaii

Applicant: Kaupulehu Land Company
Landowner: KS/B.P. Bishop Estate
Consultant: Roscoe Mass Hawaii, Inc.

Date application received: 5/13/93
✓ Date acknowledged receipt/request more info: 6/13
✓ Date filing fee deposited: 

✓ Application sent to following:
  Dept. of Health
    Safe Drinking Water Branch 6/24
    Wastewater Branch
  Office of Hawaiian Affairs
  Dept. of Hawaiian Home Lands
  State Historic Preservation Div. 6/23
  Sierra Club Legal Defense Fund 6/24
  Honolulu Board of Water Supply
  Maui Dept. of Water Supply
  Kauai Dept. of Water Supply
  Hawaii Dept. of Water Supply
  Hawaii Dept. of Public Works 6/24
  Koelauola-MB #28 (Oahu)
  Additional List (Molokai)
  Eric Hirano/ Lyann Mizuno

Date agenda due: 6/30/93
Date submittal due: 6/30/93
Date submittal sent to applicant: 
Date application approved OR disapproved: 7/14/93
Date applicant notified of decision: 

Remarks: ADD COND: 12 Golf Course Cond
2. WELL LOCATION/NAME: Kaupulehu Resort
   Address: No street address, just makai of Mamalahoa Highway
   (Attach a USGS map, scale 1:2000, and a property tax map showing well location referenced to established property boundaries.)

   Island: Hawaii
   Tax Map Key: 7-2-03:6

3. (a) PROPOSED WORK:
   - Drill New Well
   - * Alter Location
   - Modify Existing Well
   - Redrill
   - Install New Pump
   - * Abandon/Seal
   - * Deepen
   - Replace Pump
   - Modify Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:
   - Dug
   - Drilled
   - Radial

   Is this well part of a battery of wells?  No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   - Rated Pump Capacity: 200 gallons per minute
   - Pump Type:
     - Deep Well Turbine
     - Submersible
     - Centrifugal
   - Motor:
     - Electric, rated horsepower of 20

5. PROPOSED USE:
   - Municipal (including hotels, stores, etc.)
   - Military
   - Industrial
   - Other (explain)
   - Domestic (individual, noncommercial water syst.)
   - Golf Course
   - Irrigation (crop)
   - State Land Use District:
     - Urban
     - Agriculture
     - Rural
     - Conservation
   - County Zoning (describe)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 175,000 gallons per day
   (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:
   Refer to Other Side

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.

Owner
Landowner
Contractor

Signature Kim Richards
Signature
Date April 29, 1993
Date 5-7-93

For Official Use Only:
Date Received
Date Accepted
Field Checked By
Longitude
Aquifer System Name
State Well No.
Elevation at top of casing 232 ft., msl.

Ground Elevation: 230 ft., msl*

Cement Grout: 190 ft.

Rock Packing None ft.

Hole Diameter: 18 in.

Total Depth 255 ft.

Solid Casing:
- Material: Steel
- Length: 225 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Casing: ■ Perforated ☐ Screen
- Material: Steel
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: None 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.
<table>
<thead>
<tr>
<th>FROM: RYAN</th>
<th>INIT:</th>
<th>TO:</th>
<th>INIT:</th>
<th>FOR:</th>
<th>PLEASE:</th>
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**SUSPENSE DATE: ________**

**DATE: 10/21/04**

**TO: KAMAI, L.**

**WELL NUMBER 4853-01**

**WELL NAME: Hualalai Makai Inn.**

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**
1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CWB
6. HEER
7. LD
8. HP
9. PUMP TEST
10. WCR I FORM

**TO BE SENT TO APPLICANT**

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**
1. COVER LETTER
2. PERMIT (2x)
3. SDWB
4. WWB
5. CWB
6. HEER
7. LD
8. HP
9. WCR II FORM
10. WUR FORM

**FOR OFFICE USE ONLY**

"we previously issued a permit for 240 gpm. This one is 250 gpm."
November 3, 2004

Mr. Jay Uyeda
Kaupulehu Makai Venture
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Mr. Uyeda:

Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson’s approval, the following special conditions were added and are part of your permit under Permit Condition 11:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.
IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

[Signature]

Peter T. Young
Chairperson

Enclosure

c: Tom Nance
PUMP INSTALLATION PERMIT
Hualalai Makai Irrigation Well, Well No. 4859-01

Note: This permit shall be prominently displayed at the site until the work is completed

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management’s Administrative Rules, Section 13-168, entitled “Water Use, Wells, and Stream Diversion Works,” this document permits the pump installation for Hualalai Makai Irrigation Well (Well No. 4859-01) at Makai side of Queen Kaahumanu Hwy, Hawaii, TMK 7-2:10-11, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 250 gpm rated capacity or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson.

4. 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 a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are 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.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. The permittee, well operator, and/or well owner shall comply with all applicable laws, rules, and ordinances, and non-compliance may be grounds for revocation of this permit.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the pump installation permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

11. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: October 22, 2004
Expiration Date: October 22, 2006

PETER T. YOUNG, Chairperson
Commission on Water Resource Management

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 and understand that I shall not commence work until I and the pump installer have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5000 per day starting from the permit date of approval.

Permittee’s Signature: ____________________________ Date: ______________
Printed Name: ____________________________ Firm or Title: ____________________________

Installer’s Signature: ____________________________ Date: ______________
Printed Name: ____________________________ Firm or Title: ____________________________

C-57, C-57a, or A License #: ____________________________

Please sign both copies of this permit. return one to the Chairperson, and retain the other for your records.

Attachments

USGS
Department of Health Safe Drinking Water & Wastewater Branch
Hawaii Department of Water Supply
Tom Nance
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 22
HONOLULU, HAWAI'I 96859

September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Harold Yee, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawoaka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
       Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
         Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 597-0255.

LYN:ss
Attachment(s)

RESPONSE:

[1] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 50 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[2] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 90 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for microbiological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

[3] If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable outlets with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

[4] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[5] For the applicants's information, a source of possible wastewater contamination [if any] is not located near the proposed well site (information attached).


[7] Other relevant DOH rules/regulations, information, or recommendations are attached.

[8] No comments/objections.

Contact Person:  Bill Wong  Phone:  808-448-4284
Signed:  Bill Wong
Date:  SEP 21 2004
September 9, 2004

TO: Dede Mamiya, Administrator
Land Division

FROM: Yvonne Y. Izu, Deputy Director
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

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Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN: ss
Attachment(s)

RESPONSE:

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.

xxl A water lease/permit is not required of this applicant.

[ ] A water lease/permit has been obtained by the applicant through lease no. _____________________________.

xxl This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.

[ ] No objections

XK] Other comments: Original source of private title is Land Commission Award 7715:10 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: OCT - 1 2004
STATE MESSENGER DELIVERY

Date: 09-16-2004

To: Commission on Water Resource Management
Department of Land & Natural Resources
State of Hawaii

From: Department of Health, Wastewater Branch, Planning & Design Section

Attn: Ryan Inouye

Subject: Well No. 4859-01 Hualalai Makai

Well No. ____________________________

STATE MESSENGER DELIVERY
September 9, 2004

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Harold Yee, Wastewater Branch
   William Wong, Safe Drinking Water Branch
   Dr. Keith Kawakoa, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
   Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
   Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

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Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

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[ ] It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

[ ] For the applicant's information, a source of possible wastewater contamination [] is [] is not located near the proposed site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

X No comments/objections

Contact Person: lei kalimwana
Phone: 886-394

Signed: lei kalimwana
Date: 09-16-2004
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

September 9, 2004

TO: Honorable Chyome L. Fukino, M.D., Director
Department of Health
Attention: Harold Yee, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
Alec Wong, Clean Water Branch

FROM: Peter T. Young, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Hualalai Makai Irrigation Well (Well No. 4859-01)

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Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-24.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

If the well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow connections by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable spigots with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water Regulations.

For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

An NPDES permit is required.

Other relevant DOH rules/regulations, information, or recommendations are attached.

No comments/objections.

Contact Person: Alec Wong
Phone: 586-4309

Signed: Alec Wong
Date: 9/14/04
The Department of Health, Clean Water Branch has the following comments:

1. For Well-Drilling Activities

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 22, 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4920 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

JS/cr
**FROM:** RYAN  
**DATE:** 16-Aug-04  
**SUSPENSE DATE:** 23-Aug-04

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**WELL NUMBER:** 4859-01  
**WELL NAME:** Hualalai Makai Irrigation  
**WELL CONSTRUCTION**
- PUMP INSTALLATION  
- BOTH

### ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated

- 1 TRANS. LETTER  
- 2 CWRRM MAP  
- 3 APPL. FORM (SCOPIES)
  - ✅  
- 4 USGS MAPS (5 COPIES)
  - ✅  
- 5 TAX MAPS (5 COPIES)
  - ✅  
- 6 PARCEL OWNER VERIF.
  - MLS PRINTOUT
- 7 CONTRACTOR VERIF.
  - DCCA LICENSE SCREEN PRINTOUT
- 8 ALL INFO FILLED IN
  - ✅  
- 9 BACKGROUND CHECK
  - ✅  
- 10 $25 FEE DEPOSIT SLIP  
- 11 DHP, SMA, EA check
  - ✅  

**FOLDER:**
- MAKE NEW FILE FOLDER, ATTACHED
- FILE FOLDER ALREADY MADE, IN FILE CABINET

### INCOMPLETE ACTION DATES:

**DATE**  
**ACTION**  

- new TMK must have subdivided.  

**SMA?**  
- 9-8-04 Not needed per T. Nance.
September 9, 2004

Mr. Jay Ueda
Kaupulehu Makai Venture
P.O. Box 1119
Kailua-Kona, 96745 96745

Dear Mr. Ueda:

Pump Installation Permit Application for Well No. 4859-01

We acknowledge receipt, on September 8, 2004, of your completed Pump Installation permit application and filing fee for the Hualalai Makai Irrigation Well (Well No. 4859-01). You can expect your application to be processed within ninety (90) days from this date.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), extension 70255.

Sincerely,

YVONNE Y. IZU
Deputy Director

LYN:ss

c: Rick Robinson, Kamehameha Schools
TO:    Honorable Chiyome L. Fukino, M.D., Director
       Department of Health
       Attention:    Harold Yee, Wastewater Branch
                     William Wong, Safe Drinking Water Branch
                     Dr. Keith Kawaoka, Hazardous Evaluation and Emergency Response
                     Alec Wong, Clean Water Branch

FROM:  Peter T. Young, Chairperson
       Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
          Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of the captioned Pump Installation permit application.

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by October 22, 2004. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Ryan Imata of the Commission staff at 587-0255.

LYN:ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

[ ] This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

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[ ] For the applicant's information, a source of possible wastewater contamination is not located near the proposed well site (information attached).

[ ] An NPDES permit is required.

[ ] Other relevant DOH rules/regulations, information, or recommendations are attached.

[ ] No comments/objections

Contact Person: __________________________ Phone: ______________ Date: _____________

Signed: __________________________ Date: _____________
TO: Dede Mamiya, Administrator  
Land Division  

FROM: Yvonne Y. Izu, Deputy Director  
Commission on Water Resource Management  

SUBJECT: Pump Installation Permit Application  
Hualalai Makai Irrigation Well (Well No. 4859-01)  

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LYN:ss  
Attachment(s)  

RESPONSE:  

[ ] A water lease/permit is required of this applicant and an application for such will be requested by our division.  

[ ] A water lease/permit is not required of this applicant.  

[ ] A water lease/permit has been obtained by the applicant through lease no. _________________________________.  

[ ] This well project [ ] requires [ ] does not require a CDUP. If a CDUP is required it [ ] has [ ] has not been approved and [ ] is [ ] is not currently active.  

[ ] Other relevant Land Division rules/regulations, information, or recommendations are attached.  

[ ] No objections  

[ ] Other comments:  

Contact Person: __________________________ Phone: __________________________  

Signed: __________________________ Date: __________________________
September 9, 2004

TO: Holly McEldowney, Acting Administrator
    Historic Preservation
FROM: Yvonne Y. Izu, Deputy Director
    Commission on Water Resource Management
SUBJECT: Pump Installation Permit Application
          Hualalai Makai Irrigation Well (Well No. 4859-01)

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LYN:ss
Attachment(s)

RESPONSE:

[ ] There may be areas in the vicinity of the well site that contain subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal.

[ ] Other relevant Historic Preservation rules/regulations, information, or recommendations are attached.

[ ] No objections

[ ] Other comments:

Contact Person: _________________________________ Phone: __________

Signed: _______________________________ Date: ______________
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
ISLAND OF HAWAII
TOTAL = 2431 MOD HYDROLOGIC UNITS
Hualalai Makai Irrigation Well
(State Well No. 4859-01)

SCALE: 1" = 2000'

Well Location
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REMARKS:
LINE (1) Edward Paradis Well, tk: 2-7-38:10
LINE (2) Moomuku - 1 Well, tk: 2-1-005:026
LINE (3) Hualailai Makai Irrigation Well, tk: 7-2-10:11
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
Mr. Ernest Y.W. Lau
Deputy Director
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Lau:

Pump Installation Permit Application for
Hualalai Makai Irrigation Well (State No. 4859-01)
North Kona, Hawaii

On behalf of the Kaupulehu Makai Venture, I am pleased to provide this permit application and $25 filing fee for the pump installation permit application for Hualalai Makai Irrigation Well (State No. 4859-01) on TMK 7-2-10:11 in the Hualalai Resort. If you have any questions or require additional information, please feel free to call me or Jay Uyeda at 808-325-8191. Thank you for your consideration.

Sincerely,

Tom Nance

cc: Jay Uyeda

Attachments
WELL & PUMP INFORMATION: 

2. WELL NAME: Hualalai Makai Irrigation Well 
Address Along Makai Side of Queen Kaahumanu Hwy 
Island: Hawaii 
Tax Map Key: 7 2 10 11 
Zone Sec Plat Parcel 
Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map (b) a property tax map, showing well location referenced to established property boundaries 

3. PROPOSED WORK: 
☐ Construct New Well 
☐ Modify Existing Well* 
☐ Abandon Seal* 
*State Well No.: 4859-01 (if unknown, please call Commission at 587-0225) 

4. CONSTRUCTION: 
☐ Drilled 
☐ Dug 
☐ Shaft 
☐ Tunnel 

Is this well part of a battery of wells? ☐ Yes ☐ No (Please describe) 

5. PROPOSED PUMPING RATE: 
250 gallons per minute 

6. PROPOSED USE: 
☐ Municipal (including hotels, stores, etc.) 
☐ Domestic (individual, noncommercial water system) 
☐ Industrial 
☐ irrigation (crop) 
☐ Other (explain): Construction Water 

No. of Acres: 

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 
100,000 gallons per day 
(b) METHOD OF FLOW MEASUREMENT: 
☐ Flowmeter ☐ Open-pipe ☐ Weir ☐ Orifice ☐ Other (explain) 

OTHER IMPORTANT INFORMATION: 

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit. 
Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414 
☐ Not Required ☐ If required, date approved 
Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OEQC at 586-4185 
☐ Not Required ☐ If required, date published in OEQC bulletin 
Special Management Area Permit (SMAP) To determine if an SMAP is necessary: on Oahu, call 527-5374; on Hawaii, call 961-6288; for Maui county, call 270-7235; on Kauai, call 241-6677. 
☐ Not Required ☐ If required, date approved 

9. ARCHEOLOGICAL REQUIREMENTS: 
To find out if an archeological work is required: on Oahu, call Elaine Jourdane at 692-8027; on Hawaii, call MaryAnne Maigret at 327-3690, for Maui county, call Cathy Dagher at 692-8023, on Kauai, call Nancy McMahon at 742-7033. 
☐ Not Required ☐ If required, please attach letter from DLNR Historic Preservation 

10. REMARKS, EXPLANATIONS: The pump would be installed to provide brackish water for dust control and other construction requirements. 

(If more space is needed, please attach additional sheet) 

NOTE: Signing below indicates the signatories understand and swear that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval 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; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $1000/day. 

Well Owner: Kaupulehu Makai Venture 
(print legibly) 
Signature: 
Date: 9/8/04 

Landowner: Kamehameha Schools 
(print legibly) 
Signature: 
Date: 7/30/04 

Contractor: 
(print legibly) 
Signature: 
Date: 

For official use only 

Latitude: 
Longitude: 
Aquifer System No: 
State Well No: 

WCPIPA Form 7/17/03
TRANSMITTAL

To: State of Hawaii
   Department of Land and Natural Resources
   Attn: Michael D. Wilson, Chairperson
   COMMISSION ON WATER RESOURCE MANAGEMENT
   Post Office Box 621
   Honolulu, Hawaii 96809

Date: 11/07/95

Re: Hualalai Makai Irrigation Well No. 4859-01
    Hualalai Saltwater Wells Nos. 4959-01 to 04

We are Sending: Attached

Description:
   Executed Pump Installation Permit for Hualalai Makai Irrigation Well No. 4859-01
   Executed Well Construction/Pump Installation Permits for Hualalai Saltwater
   Wells Nos. 4959-01 to 04.

These are Transmitted as Checked Below:

   ___ For Approval                 ___ Approved as Submitted
   ___ For Your Use                 ___ Approved as Noted
   __ As Requested                 ___ Returned for Corrections
   ___ For Review & Comment        ___ Other

Remarks:

Copy to: M. Swanson

Signed: John Mansour
<table>
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<th>FROM:</th>
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| TO: INIT: TO: INIT: FOR: PLEASE: |
|----------------------------------|----------------------------------|----------------|----------------|
| R. LOUI                           | REGULATION BRANCH                |               | See Me         |
| J. UWAIANE                        | E. SAKODA                        |               | Review & Comment|
| F. CHING                          | D. HIGA                          |               | Take Action    |
| S. SUBIA                          | L. NAKAMA                        |               | Type Draft     |
| K. YODA                           | C. ICE                           |               | Type Final     |
| SURVEY BRANCH                     |                                  |               | File           |
| E. HIRANO                         |                                  |               | Xerox ___ copies|
| G. BAUER                          | PLANING BRANCH                   |               |                |
| R. HARDY                          |                                  |               |                |
| N. FUJI                           | S. EDMUNDS                       |               |                |
| M. OHYE                           | L. MIZUNO                        |               |                |
| I. KUNIMURA                       |                                  |               |                |
To: Hualalai Development Company
   P.O. Box 1119
   Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4859-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

STANDARD PUMP INSTALLATION PERMIT CONDITIONS

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

**Special Conditions**

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

MICHAEL D. WILSON, Chairperson
Commission on Water Resource Management

Date of Issuance: 10/30/95
Date of Approval: October 18, 1995

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: Nov 6, 1995
Printed Name: ________________________________
Firm or Title: ________________________________

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

Attach. cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
Merlin: Good. Suzie.

Suzie:

To have a perfect test request & specification.

If not, request again.

Reports?

Do we have the pump?
To: Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

In accordance with Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Hualalai Makai Irrigation Well (Well No. 4849-01) at Kaupulehu, North Kona, Hawaii, TMK 7-2-3:6, is approved, subject to the following conditions:

**STANDARD PUMP INSTALLATION PERMIT CONDITIONS**

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

2. The pump installation permit shall be for installation of a 240 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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the
date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. The applicant shall conduct a 48-hour step-down and a seven-day continuous pumping test, according to standard aquifer test procedures (attached).

2. Construction shall be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

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

Attach.
cc: USGS
    Department of Health
    Safe Drinking Water Branch
    Ground Water Protection Program
    Wastewater Branch
    Hawaii Department of Water Supply
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P. O. BOX 621
HONOLULU, HAWAII 96808

STAFF SUBMITTAL

for the meeting of the
COMMISSION ON WATER RESOURCE MANAGEMENT

October 18, 1995
Honolulu, Hawaii

Hualalai Development Company
Application for a Pump Installation Permit
Hualalai Makai Irrigation Well (Well No. 4859-01)
Installation of a 240 gpm Pump
for golf course use,

Well Location/Tax Map Key:
The well is located at Kaupulehu, North Kona, Hawaii (see Attachment A).

Well Description (see Attachment B):

Ground elevation: 249 ft.
Hole diameter: 18 in.
Solid casing depth: 250 ft.
Screen casing depth: 20 ft.
Open hole: none
Total depth: 270 ft.
Anticipated pump size: 240 gpm

Action Requested: Permission to install a 240 gpm pump in Hualalai Makai Irrigation Well, to be used for golf course irrigation.

Landowner:
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Applicant:
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Agency Review: The application was circulated to the State DLNR's Divisions of Historic Preservation and Aquatic Resources, the Office of Hawaiian Affairs, the Departments of Hawaiian Home Lands and Health, Hawai'i County Department of Water Supply, and to the Sierra Club Legal Defense Fund.

Historic Preservation commented that Hualalai Development Company has yet to complete a preservation plan; they recommend deferral of approval until they are able to evaluate proposed wells in relation to historic sites. Aquatic Resources noted the project's proximity to coastal waters, suggesting that mitigation measures be taken to prevent drill

AGENDA 1
Item 9
STANDARD PUMP INSTALLATION PERMIT CONDITIONS

1. The Commission shall be notified before work commences.

2. The pump installation permit shall be for installation of a 240 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

The applicant shall conduct a 48-hour step drawdown and a seven-day continuous pumping test, according to standard aquifer test procedures (Attachment D).

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 a 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. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Commission upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Commission no later than three (3) months prior to the date the permit expires. If the commencement or completion date is not met, the Commission may revoke the permit after giving the permittee notice of the proposed action and an opportunity to be heard.

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 pump installation permit application and staff submittal approved by the Commission at its October 18, 1995 meeting are incorporated into the permit by reference.

Special Conditions

1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Attachment C
Hualalai Development Company
Application for Well Construction/Pump Installation Permits
Hualalai Saltwater Wells (Well Nos. 4959-01 to 04)
Construction of four 12-inch diameter, 100-foot deep Wells
and Installation of 850-gpm Pumps
for seawater pond circulation
TMK 7-2-3:4 & 5 Kaupulehu, North Kona, Hawaii

Applicant:
Hualalai Development Company
P.O. Box 1119
Kailua-Kona, Hawaii 96745

Landowner:
Same

Action Requested: Expedited permission to construct four 12-inch diameter, 100-foot deep wells, and installation of 850-gpm pumps in Hualalai Saltwater Wells 1-4, for seawater pond circulation.

Well Location/Tax Map Key: The well is located at Kaupulehu, North Kona at Tax Map Key 7-2-3:4 & 5 (see Attachment A).

Well Description: (see Attachment B)

Ground elevation: 9 & 11 ft.
Hole diameter: 16 in
Solid casing depth: 50 ft.
Screen casing depth: 50 ft
Open hole: none
Total depth: 100 ft.
Anticipated pump size: 850 gpm
1. Construction should be done during periods of minimal rainfall, and shall incorporate mitigation measures to prevent construction materials from blowing, leaching, draining, or entering the aquatic environment. Land clearing for construction should be followed as soon as possible by replanting to prevent erosion.

2. A preservation plan shall be approved by the Division of Historic Preservation, and documentation of this approval shall be submitted to the Commission, prior to issuance of the permit.

Respectfully submitted,

[Signature]

for: RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

[Signature]

MICHAEL D. WILSON, Chairperson
Ms. Kim Richards  
Hualalai Development Co.  
P.O. Box 1119  
Kailua-Kona, HI 96745

Dear Ms. Richards:

Well Construction Permit Applications  
Hualalai Saltwater Wells (Well Nos. 4959-01 thru 03)  
Pump Installation Permit Application  
Hualalai Makai Irrigation Well (Well No. 4859-01)

We acknowledge receipt, on July 24, 1995, of your completed well construction permit applications for Hualalai Resort Salt Water Wells 1, 2, and 3 (Well Nos. 4959-01 thru 03), and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01. You can expect your application to be processed within ninety (90) days from the date of receipt.

We have been informed by your consultant, Mr. Tom Nance, that due to ongoing construction at these well sites, you are requesting an expedited processing of the Saltwater Well permits. As required by §13-168-12(c):

"The Commission may issue or cause to be issued a permit only if the proposed construction complies with all applicable laws, rules, and standards. Before an application for a well construction permit is approved by the department, the Commission shall cause such application to be reviewed by the Department of Health [DOH] for compliance with their rules and standards concerning, among other things, the appropriateness of the well location."

We are requesting DOH to respond by September 14, 1995, which is a shorter period than is normally required. You may wish to call DOH, Mr. Tom Arizumi, at 586-4304, to help expedite their review.

If you have any questions about your well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

Cl:ss

c: Kamehameha Schools/Bishop Estate  
Water Resources International, Inc.  
Tom Nance, TNWRE
TO: Honorable Lawrence Milke, Director
Department of Health
Attention: Mr. Dennis Tulang, Wastewater Branch
Mr. William Wong, Safe Drinking Water Branch

Honorable Kali Watson, Chairman
Hawaiian Homes Commission

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

Mr. Milton Pavao, Manager
Hawaii Department of Water Supply

Ms. Donna Fay K. Kiyosaki, Manager and Chief Engineer
County of Hawaii, Department of Public Works

FROM: Michael D. Wilson, Chairperson
Commission on Water Resources Management

SUBJECT: Well Construction Permit Applications for
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)
Pump Installation Permit Application for
Hualalai Makai Irrigation Well (Well No. 4859-01)

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Class: Attachment(s)
Response:

( ) We have no objections
( ) Comments attached

Contact Person: ____________________________ Phone: ______________
Signed: ____________________________ Date: ____________________________
TO: Don Hibbard, Administrator  
Division of Historic Preservation  
William Devick  
Division of Aquatic Resources  
Marjorie Ziegler  
Sierra Club Legal Defense Fund  
David Martin  
Native Hawaiian Advisory Council  

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

SUBJECT: Well Construction Permit Applications for  
Hualalai Saltwater Wells (Well Nos. 4959-01 to 03)  
Pump Installation Permit Application for  
Hualalai Makai Irrigation Well (Well No. 4859-01)  

Transmitted for your review and comment is a copy of well construction permit applications for Hualalai Resort Salt Water Wells (Well Nos. 4959-01 thru 03) and pump installation permit application for Hualalai Makai Irrigation Well (Well No. 4859-01).

We would appreciate your comments on the attached applications for any conflicts or inconsistencies with the programs, plans, and objectives specific to your division only. Please respond by returning this cover memo form by September 14, 1995. We have been requested to expedite this review.

If you have any questions about these well construction permit applications, please contact Mr. Charley Ice of the Commission staff at 587-0251.

Response:

( ) We have no objections  
( ) Comments attached

Contact Person: ______________________________________ Phone: ____________________________
Signed: __________________________________________ Date: ____________________________
Hualalai Development Company  
P.O. Box 1119  
Kailua-Kona, HI 96745-1119  
808-325-0808  
808-325-1400 (fax)

*** Facsimile Transmission ***

To: Mr. Roy Hardy  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii

F. No: 808-587-0219

From: Jeff Mongan

Date: August 24, 1995

Re: Well Construction and Pump Installation Permit Application For Irrigation and Saltwater Circulation Wells at Hualalai Resort

No. of Pages (incl. cover) 2

Message:

Dear Mr. Hardy:

Attached is the information you requested regarding the County zoning designations and clarification of the T.M.K. parcel numbers for the above referenced applications.

Please call me if you have any further questions.

Sincerely,

Jeffrey J. Mongan

cc: Tom Nance  
Roger Harris
Rock Packing: 55 ft.

Hole Diameter: 19 in.

Total Depth: 100 ft.

Solid Casing:
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.

Casing: □ Perforated □ Screen
- Material: PVC (Sch. 40)
- Length: 50 ft.
- Diameter: 12 (nominal) in.
- Wall thickness: 0.406 in.
- Openings: 50 sq. in./L.F.

Open Hole:
- Length: None
- Diameter: None

*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.

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

APPLICATION FOR PERMIT

6-26-95

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<th>Pump Installation</th>
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1. APPLICANT: (may be a, b, c, but all must be filled in)
   (a) WELL OWNER
   Firm/Name: Hualalai Development Company
   Contact Person: Kim Richards
   Address: P. O. Box 1119
   Kailua-Kona, Hawaii 96745

   (b) LANDOWNER: Kamehameha Schools/BP Bishop Estate
   Firm/Name: Water Resources Int'l, Inc.
   Contact Person: Contractor's C-9 License No.
   Address: 1100 Ala Moana Street, Suite 2900
   Honolulu, Hawaii 96814

   (c) CONTRACTOR
   Firm/Name: Water Resources Int'l, Inc.
   Contact Person: Contractor's C-9 License No.
   Address: 1100 Ala Moana Street, Suite 2900
   Honolulu, Hawaii 96814

2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well
   Island: Hawaii
   Address: No Street Address (Just makai of Queen Kaahumanu)
   Tax Map Key: 7-2-03:G
   (Attach a USGS map, scale 1:2000, and a property map showing well location referenced to established property boundaries.)

3. (a) PROPOSED WORK: □ Drill New Well
   □ Alter Location
   □ Modify Existing Well
   □ Redrill
   □ Modify Pump
   □ Install New Pump
   □ Replace Pump
   □ Be sure to complete and submit well abandonment report upon completion of work.

   (b) WELL TYPE:
   □ Dig
   □ Bored
   □ Driven
   □ Drilled
   □ Radial
   Is this well a part of a batter of wells? □ Yes □ No
   (Briefly describe and fill in the diagram on the back of this form.)

4. PROPOSED PUMP INFORMATION:
   Rated Capacity: 240 gallons per minute
   Pump Type:
   □ Deep Well Turbine
   □ Rotary
   □ Submersible
   □ Reciprocating
   □ Centrifugal
   □ Gas
   □ Motor: □ Alternator □ Electric
   □ Propeller
   □ Radial-Gear
   □ Impulse
   □ Electric, rated horsepower of: 40 HP

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)
   □ Military
   □ Domestic (individual, non-commercial water systems)
   □ Industrial
   □ Golf Course
   □ Irrigation (crop)
   □ Other (explain)
   State Land Use District:
   □ Urban
   □ Agriculture
   County Zoning (describe)
   □ Rural
   □ Conservation
   (If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   □ Flow-meter
   □ Open-pipe
   □ Orifice Plate
   □ Well

7. PENDING ACTIONS:
   □ CEQA
   □ OCEA
   □ EIS
   □ EA
   □ NONE
   □ Other (explain)

8. REMARKS, EXPLANATIONS:
   See Reverse Side

(If more space is needed, continue back)

NOTE: Signing below indicates that the applicant understands that, if the permit is requested to be issued 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 permit work. The applicant also understands that any permit for use shall be submitted to the Commission. The applicant further understands that approval of the proposed permit shall not constitute a determination of the water rights and shall not guarantee the permit capacity or future use up to the permitted pump capacity.

Well Owner: Hualalai Development Co.
Landowner: BP Bishop Estate
Contractor: 

Signature: Date: 7-21-95

For Official Use Only:
Date Received
Date Accepted
Date Filed
Date Approved

Longitude
Latitude
Aqueous System Name
State Well No.
8. REMARKS, EXPLANATIONS: Well No. 4859-01 was completed by Roscoe Moss Company in February 1994. The Hualalai Development Company is currently building its golf course and requires additional irrigation supply during the critical grow-in period. The proposed pump would provide this additional supply. This pump is temporary and will be removed after the golf course's grow-in has been completed.

9. PROPOSED WELL SECTION

*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 report.
2. WELL LOCATION/NAME: Hualalai Makai Irrigation Well  
Address No Street Address (Just makai of Queen Kaahumanu)  
Island Hawaii  
(Tax Map Key 7-2-036)  
(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  
- Modify Existing Well  
- Redrill  
- Install New Pump  
- Replace Pump  
- Modify Pump  
- Deepen  
- * Abandon/Seal  
- Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:  
- Dug  
- Bored  
- 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.)

4. PROPOSED PUMP INFORMATION:  
Rated Pump Capacity: 240 gallons per minute  
Pump Type:  
- Deep Well Turbine  
- Submersible  
- Centrifugal  
- Rotary  
- Rotary-Displacement  
- Rotary-Gear  
- Propeller  
- Reciprocating  
- Impulse  
- Motor:  
- Diesel  
- Gas  
- Electric, rated horsepower of 40 HP

5. PROPOSED USE:  
- Municipal (including hotels, stores, etc.)  
- Domestic (individual, noncommercial water sys.)  
- Irrigation (crop)  
- Golf Course  
- Military  
- Industrial  
- Other (explain)  

State Land Use District: Urban  
Agriculture  
Rural  
Conservation  
County Zoning (describe)  

(If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 345,000 gallons per day  
(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:  
See Reverse Side

(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.

Well Owner  
Hualalai Development Co.

Landowner  
Kamehameha Schools/Bishop Estate

Contractor  

Signature  
Date 7-21-95

Signature  
Date 7-21-95

For Official Use Only:  
Date Received  
Date Accepted  
Field Checked By  
Date  
Longitude  
Latitude  
Aquifer System Name  
State Well No.
*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.
### DEPARTMENT OF LAND AND NATURAL RESOURCES

#### UAC OR ATTACHED WORKSHEET

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**TOTAL** $100.00

- **MARKS:**
  - LINE (1) Hualalai Makai Irrigation Well
  - LINE (2) Hualalai Resort - Saltwater Well No. 1
  - LINE (3) Hualalai Resort - Saltwater Well No. 2
  - LINE (4) Hualalai Resort - Saltwater Well No. 3

DATE: AUG 25 1985
PAY * * Twenty-five and 00/100 * * DOLLARS $*25.00*

TO THE ORDER OF

Department of Land and Natural Resources

July 21, 1995

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

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<td>Filing Fee For Pump Installation Permit</td>
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v2
Well Construction and Pump Installation Permit Applications For
Irrigation and Saltwater Circulation Wells at Hualalai Resort

Enclosed are a pump installation permit application for Well 4859-01 and three combined well construction and pump installation permit applications for saltwater circulation wells, all to be located within Hualalai (formerly Kaupulehu) Resort in North Kona, Hawaii. Well 4859-01 is an existing brackish well located just makai of Queen Kaahumanu Highway. It would be used to supplement the supply from the Resort's two mauka irrigation wells (State Nos. 4757-01 and -02) to irrigate the Resort's golf course and roadway landscaping.

The three saltwater circulation wells would be located in the lowlying, nearshore area of the Resort. These would be used to speed up the natural turnover rate in three brackish to saline, nearshore water features, thereby improving water clarity and limiting algae growth. Drawings of the proposed skimming-type well construction are enclosed with the applications.

If you have any questions of these applications, feel free to call Roger Harris at Hualalai Development Company (808-325-0808) or me.

Sincerely,

Tom Nance

Enclosures

cc: Roger Harris - HDC
DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

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PAY * * Twenty-five and 00/100 ** DOLLARS $ *25.00* TO THE ORDER OF Department of Land and Natural Resources

July 21, 95

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW. IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

DELUXE FORM WVC-3 V-2

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<td>Job No. 94-50: Hualalai Makai Irrigation Well Filing Fee For Pump Installation Permit Application</td>
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</tr>
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</table>
H. TOTAL DEPTH OF WELL BELOW GROUND: 270 ft.

I. HOLES:
- 18 inch dia. from 0 ft. to 270 ft. below ground
- 18 inch dia. from 0 ft. to 270 ft. below ground
- 18 inch dia. from 0 ft. to 270 ft. below ground

J. CASING INSTALLED:
- 10 in. I.D. x 312 in. wall solid section to 250 ft. below ground
- 10 in. I.D. x 312 in. wall perforated section to 270 ft. below ground

K. ANNULS:
- Grouted from 0 ft. to 220 ft. below ground
- Gravel packed from 0 ft. to 220 ft. below ground

L. PERMANENT PUMP INSTALLATION:
- Pump type, make, serial No. (Capacity gpm)
- Motor type, H.P., voltage, r.p.m.
- Depth of pump intake setting (ft. below which elevation is ft.)
- Depth of bottom of airline (ft. below which elevation is ft.)

M. PROPOSED USE:

N. INITIAL WATER LEVEL: 247 ft. below ground.

O. INITIAL CHLORIDE: __________ ppm.

P. PUMPING TESTS:
- Reference point (R.P.) used: __________ which elevation is __________ ft.
- Date 1-29-94
- Start water level 247.9 ft. below R. P.
- End water level 247.9 ft. below R. P.
- Depth of well 270 ft. below R. P.

Q. DRILLER'S LOG:

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<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
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<td>200. to 207.</td>
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Q. REMARKS:

Submitted by (print) L. H. RUNNELLS

FOR Drillers USE

Job Name

Job No.

FOR OFFICIAL USE

Latitude 19 48 59
Longitude 155 59 01
Well No. 4859-01
PUMPING TEST RECORD

for

Kauai Leahi Land Co. Well #1

Kauai Island Hawaii Project or Job No. 31-93R 1994

Description of Well--
2. Total depth of well 270 ft.; or ? ft. elevation, msl
3. 10 in. solid casing to 250 ft. depth, perforated to 270 ft. depth
4. Static water level on 4.29.1994: 247.9 ft. below ground surface, top of casing; or ? ft. elevation msl measured Airline method

Description of Pump and Pump Setting--
5. Turbine type pump with 10 stage bowl assembly
6. Gasoline diesel electric, power with 65 horsepower
7. Shaft speed: 3000 rpm at 200 gpm flow
8. Depth of pump intake: 366.3 ft. below ground; or ? ft. elev. msl
9. Depth of airline bottom: 361 ft. below ground; or ? ft. elev. msl
10. Center of gage: ? ft. elev., msl. Flow measured with Meter
11. Test conducted by Rodney Couch

<table>
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<tr>
<th>Date &amp; Time</th>
<th>Sample No.</th>
<th>Pumping Rate (gpm)</th>
<th>Airline PSI (feet)</th>
<th>Drawdown (feet)</th>
<th>Chlorides (ppm)</th>
<th>Temp. (?F)</th>
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Sheet No. 1 of ____ Sheets
PUMPING TEST RECORD
for
Kaupulehu Land Co. Well #1
(name)  
(No.)

Kaupulehu Island Hawaii Project or Job No. 31-93R 1994

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<th>Pumping rate (gpm)</th>
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<th>Drawdown (feet)</th>
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December 13 1993

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

Dear Commission,

Enclosed please find a copy of our signed well construction permit #4859-01. Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager
TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
c. As-built sectional drawing of the well.

d. Plot plan and map showing the exact location of the well.
e. Complete pumping test record; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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: 12-13-93
Printed Name: James T. Morgan
Firm or Title: Kapolei Land Company

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

enclosure
c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
State Historic Preservation Division
Hawaii Department of Water Supply
December 9, 1993

Mr. Keith Ahue
Chairperson
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. Box 621
Honolulu, HI 96809

Dear Keith,

In accordance with our Well Construction Permit for Kaupulehu Resort, Well No. 4859-01, Kaupulehu, North Kona, Hawaii, we are notifying your department of our intent to begin construction within the next week.

Please feel free to call either myself or Roger Harris should you have any questions or comments.

Regards,

John Mansour
Assistant Project Manager

cc: M. Swanson
    R. Harris
    G. Fukumitsu
MEMORANDUM

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

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Kaupulehu Land Company
(Well No. 4859-01)
Kaupulehu, North Kona, Island of Hawai‘i
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

In response to our Memorandum, dated August 30, 1993, to your office requesting additional locational information for the subject well, Kaupulehu Land Company has submitted a map to our office showing the location of the well with respect to significant historic sites identified in the property. The map clearly indicates that the well location is well away from any of the significant historic sites. Hence, the subject action will have "no effect" on historic sites.

fc: Roger Harris, Kaupulehu Land Company

KS:III
The Commission on Water Resource Management (Commission), on July 28, 1993, approved a permit for the construction and testing of Kaupulehu Resort Well (Well No. 4859-01). We have recently received comments from the State Historic Preservation Division (SHPD) concerning your project. Enclosed are the comments from the SHPD. We would appreciate your contacting them to find out what steps are required to satisfy their concerns. Condition 6 of our permit states:

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

We appreciate your cooperation in this matter.

Very truly yours,

KEITH W. AHUE

Enclosure

C: State Historic Preservation Division
MEMORANDUM

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

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Well Construction Permit Application—Well No. 4859-01, Kaupulehu Land Co.
Kaupulehu, North Kona, Island of Hawaii
TMK: 7-2-03: 006

HISTORIC PRESERVATION PROGRAM CONCERNS:

Our Tax Map Key Map Volume does not show the subject parcel; however, the property is within a section (TMK: 7-2-03: 001) of Kaupulehu ahupua'a that underwent archaeological inventory survey in 1989 by the consulting archaeologist firm of Paul H. Rosendahl, Inc. Two trail sections, one oriented mauka-makai (site no. -10977) and the other paralleling the shoreline (site no. 10783), were identified during the survey in the vicinity of the proposed well site No. 4859-01. These two trail sections were recommended for preservation as part of the mitigation plan (Jensen and Rosendahl 1989: "Archaeological Mitigation Program, Kaupulehu Makai Project, Land of Kaupulehu, North Kona District, Island of Hawaii") to allow development of the parcel. This current undertaking should conform with those preservation commitments.

We cannot determine from the location map accompanying the application just where the well will be constructed with respect to the location of the two preserved trail sections. Hence, we recommend that no action be taken on the subject application until we can clearly establish the location of the preserved trails with respect to the well location, to ensure that the well construction will have "no adverse effect" on the preserved trails. This can be accomplished either of two ways. A field check could be undertaken by our staff archaeologist to ascertain the location of the well will not impact the trails in any way or a location map could be furnished our office by the applicant(s) clearly showing the locations of the well and the two trails to the degree...
that it can be determined that the trails will not be impacted at all by the well construction. Our office is amenable to either option.

If the well project would impact either of the two trails then the well project would have to be relocated to conform with the prior mitigation commitments.

For further assistance, please contact Kanalei Shun at 587-0007.

KS:amk
WELL CONSTRUCTION PERMIT

for

Kaupulehu Resort Well
Well No. 4859-01
Kaupulehu, North Kona, Hawaii

TO: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

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 construct and test Kaupulehu Resort Well (Well No. 4859-01), for golf course irrigation use, 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 construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct a well shall not constitute a determination of correlative water rights.

4. The applicant shall monitor the effects pumping the well will have on the Kona Villages Wells and any anchialine ponds and dug wells on the applicant's property before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
WELL CONSTRUCTION PERMIT
Well No. 4859-01

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

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

KEITH W. AHUE, Chairperson
Commission on Water Resource Management

JUL 28 1993
Date of Approval

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.

enclosure

c: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
State Historic Preservation Division
Hawaii Department of Water Supply
Gentlemen:

Kaupulehu Land Company
Application for a Well Construction Permit
Kaupulehu Resort Well (Well No. 4859-01)
Kaupulehu, North Kona, Hawaii

Applicant: Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

Landowner: Same

Action Requested: Permission to construct and test Kaupulehu Resort Well (Well No. 4859-01) for golf course irrigation use. The proposed amount of use is 175,000 gallons per day (0.175 mgd).

Well Location: The proposed well will be located at the Kaupulehu Resort, Hawaii (see attached map) at Tax Map Key: 7-2-03-6.

Well Description:

Ground elevation: 230± ft.
Casing diameter: 12 inches
Solid casing depth: 225 ft.
Screen casing depth: 255 ft.
Open hole: none
Total depth: 255 ft.
Grouted annulus: 0 to 190 ft.
Proposed pump capacity: 200 gpm

Agency Review: The application has been sent to the Hawaii County Departments of Water Supply and Public Works, the State Historic Preservation Division, the Office of Hawaiian Affairs, and to the State Departments of Health and Hawaiian Home Lands for review. There have been no objections to the project.

Analysis: The well is expected to develop brackish basal ground water. The well could possibly adversely affect Kona Villages Wells (Well Nos. 4858-01 to 03) located about 5,800 ft. southeast (upgradient). The applicant will be required to determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

Water Availability. The well will be located in the Hualalai Sector, Kiholo Aquifer System of Hawaii. Sustainable yields for the Kiholo System and the Hualalai Sector are estimated at 18 mgd and 56 mgd respectively. Existing use from the Hualalai Sector is about 10 mgd. Water needs from the Hualalai Sector are estimated to be 38 mgd by the year 2010. The well is not listed in the Hawaii Water Use and Development Plan.
2. The permit shall be for construction and testing of the well only. The applicant shall coordinate with the Commission and conduct a pumping test in accordance with the protocol established by the Commission. A means to accurately measure water levels, acceptable to the Commission, shall also be provided. No permanent pump may be installed and no water withdrawn from the well without first obtaining a pump installation permit from the Commission.

3. The proposed well construction 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 construct the well shall not constitute a determination of correlative water rights.

4. The applicant shall determine the effects pumping the well will have on the Kona Villages Wells before a pump installation permit is approved by the Commission.

5. The following shall be submitted to the Commission within 30 days after completion of the work:
   a. Well Completion Report.
   b. Elevation (referenced to mean sea level) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records; including time, pumping rate, drawdown, chloride content, and water quality data.

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

7. The permit application and staff submittal approved by the Commission at its meeting on July 28, 1993 shall be incorporated herein by reference.

8. 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.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE
ITEM 8  KAPALUA LAND COMPANY, APPLICATION FOR A PUMP INSTALLATION PERMIT, KAPALUA 2 (WELL NO. 5938-03), HONOKAHUA, MAUI

Mr. Cliff Jamille, applicant, had no objections to the conditions or recommendations.

Unanimously approved. (Cox/Nakata)

ITEM 9  LANAI COMPANY, INC., APPLICATION FOR A PUMP INSTALLATION PERMIT, LANAI WELL 12 (WELL NO. 4552-01), LANAI

Mr. Vince Bagoyo stated that corrections be made in the usage. In addition to dust control and golf course irrigation, the proposed usage will also be used for other landscaping irrigation.

Mr. Penn asked questions and made comments. See Commission file.

Mr. Cox recommended approval as amended to add landscape irrigation as a proposed usage.

Unanimously approved as amended. (Cox/Nakata)

ITEM 10  JON F. ANDERTON, APPLICATION, APPLICATION FOR A WELL CONSTRUCTION/PUMP INSTALLATION PERMIT, ALIOMANU-ANDERTON WELL (WELL NO. 0919-04), ALIOMANU, KAUAI

Unanimously approved. (Cox/Nakata)

ITEM 11  KAUPULEHU LAND COMPANY, APPLICATION FOR A WELL CONSTRUCTION PERMIT, KAUPULEHU RESORT WELL (WELL NO. 4859-01), KAUPULEHU, NORTH KONA, HAWAII

Mr. Tom Nance, consultant representing Kaupulehu Land Company, stated that this is purely an exploratory effort.

Mr. Penn presented testimony. See Commission file.

The applicant was requested to discuss the project and potential impacts with interested persons in the area.

Mr. Fujimura made a motion to amend recommendation 4 to include the determination of effects on ponds and dug wells.

Unanimously approved to accept recommendations as amended. (Fujimura/Cox)
The Honorable Keith W. Ahue, Chairperson
Commission on Water Resource Management
Department of Land and Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Well and Pump Applications

Thank you for the opportunity to comment on the following applications:

Maui:
- Lahaina Civic Center (5441-02)
- Kapalua #2 (5938-03)
- Wailea #6A (4026-07)

Kaua'i:
- Aliomanu (0919-04)

Hawaii:
- Hawi #2 (7349-01)
- Kaupulehu (4859-01)

The Department of Hawaiian Home Lands has no objections to these projects.

We note the Anderton application (Aliomanu), with interest, as an opportunity to learn more about the groundwater resource of northeastern Kaua'i, between the Anahola and Moloaa tracts of Hawaiian home lands.

Warmest aloha,

Hoaliku L. Drake, Chairman
Hawaiian Homes Commission
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720  

Dear Ms. Kiyosaki:  

Well Construction and Pump Installation Permit Application  

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 16 1993**.  

<table>
<thead>
<tr>
<th>Island</th>
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<td><em>P.Well.Construction</em></td>
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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

*Signature*

RAE M. LOUI  
Deputy Director  

JZ:ko  
Enc.
Response:

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

Contact Person: Ed Yoshida

Phone: 961-8327

Signed: Ed Yoshida

Date: 7/1/93
Ms. Donna Fay K. Kiyosaki  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720  

Dear Ms. Kiyosaki:  

**Well Construction and Pump Installation Permit Application**

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 16 1993**.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI, P.E.  
Deputy Director

JZ:ko  
Enc.
Ms. Donna Fay K. Kiyosaki
Page 2

Response:

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

Contact Person: ___________________________ Phone: ____________

Signed: _________________________________ Date: ________________
MEMORANDUM

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

   Mr. Clayton H.W. Hee, Chairman & Trustee At Large
   Office of Hawaiian Affairs

FROM: Keith W. Ahue, Chairperson

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s), pursuant to your area of concern
and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Enc.

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

Contact Person: ______________________ Phone: _______________

Signed: _____________________________ Date: _____________
Ms. Marjorie Ziegler  
Sierra Club Legal Defense Fund, Inc.  
212 Merchant Street, Room 202  
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 16 1993.

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Should you have any questions, please contact the Commission on Water Resource Management staff at 587-0225.

Sincerely,

[Signature]

RAE M. LOUI, P.E.  
Deputy Director

JZ:ko  
Enc.
Response:

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

Contact Person: ___________________________ Phone: ____________

Signed: _________________________________ Date: ____________
Mr. Thomas Arizumi, Chief
Environmental Management Division
Department of health
Five Waterfront Plaza
500 Ala Moana Blvd., Suite 250
Honolulu, Hawaii 96813

Attn: Mr. William Wong

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by **JUL 16 1993**.

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Sincerely,

RAE M. LOUI
Deputy Director

JZ:ko
Enc.
MEMORANDUM

TO: Dr. Don Hibbard, Director
   Historic Preservation Division

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

SUBJECT: Well Construction & Pump Installation Permit Application

Please review the following permit application(s) pursuant to your area of concern and submit your comments to us by JUL 15 1993.

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JZ:ko
Enc.

Response:

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

Contact Person: _________________________ Phone: _________________________

Signed: _______________________________ Date: _________________________
Mr. Kim Richards
Kaupulehu Land Company
P.O. Box 1119
Kailua-Kona, HI 96745

Dear Mr. Richards:

We have received your application and filing fee for a permit to construct Kaupulehu Resort Well (Well No. 4859-01) in North Kona, Hawaii (TMK 7-2-03:6). We are reviewing the application for completeness.

Should you have questions, please call the Commission on Water Resource Management staff at 587-0225.

Sincerely,

RAE M. LOUI
Deputy Director

JZ:ko
May 12, 1993
93TN-087 (93-25)

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

Dear Ms. Loui:

Well Drilling Permit Application for Kaupulehu Resort in North Kona, Hawaii

We are pleased to submit the enclosed well drilling permit and $25 filing fee on behalf of Kaupulehu Land Company (KALACO). The application is to construct and test a well within the Kaupulehu Resort property to determine if water of adequate quality for irrigation can be developed from the underlying brackish basal lens. If the results are acceptable, up to three more wells may be drilled to irrigate the Resort's golf course.

Please feel free to contact me or Jeff Mongan at KALACO (325-0808) if you have any questions. Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc: Jeff Mongan - KALACO

Enclosures
TNWRE, INC.  
DBA TOM NANCE WATER RESOURCE ENGINEERING  
680 ALA MOANA BLVD., STE. 406  
HONOLULU, HI 96813  

DEPARTMENT OF LAND AND NATURAL RESOURCES  

MAY 12, 1993  

PAY *** TWENTY FIVE DOLLARS NO CENTS ***  

DOLLARS $25.00  

TO  
THE  
ORDER  
OF  

TEL (808) 59-10111213  

MAY 12, 1993  

DETACH AND RETAIN THIS STATEMENT  
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.  
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.  

DELUXE FORM WVC-3 V-2  

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
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<tr>
<td>5/12/93</td>
<td>TNWRE PROJECT: 93-2500.0 FILING FEE</td>
<td>$25.00</td>
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KAUPULEHU RESORT  
WELL.
2. WELL LOCATION/NAMESPACE: Kaupulehu Resort  
Island: Hawaii  
Address: No street address; just makai of Mamalahoa Highway  
(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  
- Modify Existing Well  
- Install New Pump  
- Replace Pump  
- Propose New Aquifer System  
- Modify Pump  
- Deepen  
- * Abandon/Seal  
* Be sure to complete and submit well abandonment report upon completion of work.

(b) WELL TYPE:  
- Dug  
- Bored  
- Driven  
- Drilled  
- Radial  
- Submersible  
- Centrifugal  
- Rotary  
- Rotary-Displacement  
- Rotary-Gear  
- Impulse  
- Rotary-Displacement  
- Reciprocating  
- Impulse  
- Propeller  
- Motor:  
- Electric, rated horsepower of ___  
- Diesel  
- Gas  
- Impulse  
- Rotary  
- Propeller  
- Motor:  
- Electric, rated horsepower of ___

4. PROPOSED PUMP INFORMATION:  
Rated Pump Capacity: _______ gallons per minute
- Deep Well Turbine  
- Submersible  
- Centrifugal  
- Rotary  
- Rotary-Displacement  
- Rotary-Gear  
- Impulse  
- Propeller  
- Motor:  
- Electric, rated horsepower of ___  
- Diesel  
- Gas  
- Impulse  
- Rotary  
- Propeller  
- Motor:  
- Electric, rated horsepower of ___

5. PROPOSED USE:  
- Municipal (including hotels, stores, etc.)  
- Domestic (individual, noncommercial water use)  
- Irrigation (crop)  
- Golf Course  
- State Land Use District:  
- Urban  
- Agricultural  
- Rural  
- Conservation  
- County Zoning (describe)  
(If more space is needed, continue below under remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: _______ gallons per day
(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:  
Refer to Other Side

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 complete 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.

Well Owner: _______________  
Signature: _______________  
Date: _______________  
Landowner: _______________  
Signature: _______________  
Date: _______________  
Contractor: _______________  
Signature: _______________  
Date: _______________