CHECKLIST

Well Construction Permit
Water Use Permit Required Also

Pump Installation Permit

Well Name & Number: Kaupulehu Irrigation Wells 1 & 2 (4757-01 & 02) Island: Hawaii

Applicant: Kaupulehu Land Co. 
Landowner: Kealakekua Estate

Consultant: Tom Nance WRE

Date application received: 2/16/94
Date acknowledged receipt/request more info: 7/21/94
Date filing fee deposited: 

Date application sent to following:

- 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
- Koolau Town NA 23 (Oahu)
- Additional List (Molokai)
- Eric Hirano / Lyann Mizuno
- Div. of Aquatic Res.

Date agenda due: 
Date submittal due: 
Date submittal sent to applicant: 
Date application approved OR disapproved: 27 Apr 94
Date applicant notified of decision: 

Remarks: 

Map assign well no. (Pencil in INDEX/Summary)
Log in Logbook (manual) w 3/22/94
<table>
<thead>
<tr>
<th><strong>WELL NAME or LOCATION:</strong></th>
<th>Kaupulehu - PIA - Kona Well</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WELL NUMBER:</strong></td>
<td>4757-01</td>
</tr>
<tr>
<td><strong>OWNER or OPERATOR:</strong></td>
<td>PIA - Kona Ltd. Partnership</td>
</tr>
<tr>
<td><strong>ADDRESS:</strong></td>
<td>P.O. Box 803</td>
</tr>
<tr>
<td><strong>TELEPHONE:</strong></td>
<td>(808) 885-1035 (Roger Harris)</td>
</tr>
</tbody>
</table>

**Date application received** | 8/3/89 |
**Date acknowledged receipt** | 9/7/89 |
**Date of request for more information** |
**Date application accepted** |
**Suspense date (90 days)** |
**Date filing fee deposited** | @ 8/7/89 |
**Date sent to DOH for comments** | 8/10/89 |
**Date comments received from DOH/PWS/SPW** | 9/27/89 |
**Date application approved or disapproved** | 10/18/89 |
**Date applicant notified of decision** | 10/24/89 |

**REMARKS:** Notified Roger Harris of deferral on 9/20/89 by phone.
CHECKLIST

Well Construction Permit  
Water Use Permit Required Also  
Pump Installation Permit

Well Name & Number: Kaupulehu Irrigation Wells 1 & 2 (7757-01802) Island: Hawaii
Applicant: Kaupulehu Land Co.  
Landowner: KS/Bishop Estate
Consultant: Tom Naone WRE

Date application received: 2/16/94
Date acknowledged receipt/request more info: 2/21/94
Date filing fee deposited:

✓ Application sent to following:
  Dept. of Health  Safe Drinking Water Branch
  Office of Hawaiian Affairs  Wastewater Branch
  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
  Koolau Water #38 (Oahu)
  Additional List (Molokai)
  Eric Hirano/Lyann Mizuno
  Div. of Aquatic Res.

Date agenda due:
Date submittal due:
Date submittal sent to applicant:
Date application __ approved OR __ disapproved: 27 Apr 94
Date applicant notified of decision:

Remarks:

Map, assign well no. (Pencil in INDEX/Summary)
Log in logbook (manual)
IRRIGATION WELL NO. 3
(4757-03)

IRRIGATION WELL NO. 2
(4757-02)

IRRIGATION WELL NO. 1
(4757-01)

POTABLE WELL NO. 3
(4658-03)

POTABLE WELL NO. 4
(4658-04)

POTABLE WELL NO. 1
(4658-01)

POTABLE WELL NO. 2
(4658-02)
June 17, 1994

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

Dear Chairperson Ahue:

Re: Kaupulehu Pump Installation Permits

Attached herewith are executed copies of the subject permits.

Thank you for your assistance in the prompt processing of these permits.

Very truly yours,

Roger Harris
Director of Planning

RH:bmc
Attachments

Attachments

cc: Tom Nance Water Resources Engineering
Bernice Pauahi Bishop Estate
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 install a 350 gallons per minute pump in Kaupulehu Irrigation Well 1 (Well No. 4757-01), is approved subject to the following conditions:

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

2. The permit shall be for installation of a 350 gpm capacity, or less, pump in the well. A means to accurately measure water levels, acceptable to the Commission, shall be provided.

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

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

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

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

8. The permit application and staff submittal approved by the Commission at its meeting on May 18, 1994 shall be incorporated herein by reference.

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

Applicant's Signature: Roger A. Harris Date: 6-17-94
Printed Name: Roger A. Harris
Firm or Title: Manager of Planning, Kaupulehu Land Company

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

cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Wastewater Branch
Hawaii Department of Water Supply
To: DLNR - COURTY - Ed Sakoda
From: Greg Fukumitsu
Subject: Kaupulehu Inr Well No. 192

2000 scale map of well locations as requested.
FA
cSIMILE TRANSMITTLAL PAGE

Please deliver the following pages to:

Name: Gregg Fukumitsu
Company: INVIRE
From: Ed Sakahara
Date: 5/18/91 Time:

Message: Could you FAX the location of Kawalehoa Irrig. Wells 182 (4757-01-002).

Thanks.

Total number of pages (including Transmittal Page): 1

If you do not receive all of the pages legibly, please call back: (808) 587-0725

Sending Facsimile Number: (808) 587-0219
Receiving Facsimile Number: 238-7257

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **

# 1

*** SEND ***

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<th>COMMENT</th>
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XEROX TELECOPIER 7020
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
State Department of Health  
Five Waterfront Plaza  
500 Ala Moana Blvd., Suite 250  
Honolulu, Hawaii 96813

Attn: Mr. Dennis Tulang

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by __________.

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<td>3554-06</td>
<td>Well Construction</td>
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<td>Kauai</td>
<td>Kilauea-RPG III</td>
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</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:ky
Enc.

Response:

☐ We have no objections  
☐ Not subject to our regulatory authority & permit  
☐ Comments attached  
☐ Additional information requested  
☐ Extended review period requested

Contact Person: [Signature]  
Phone: [Number]  
Date: __________

Signed: [Signature]  
Date: __________
MEMORANDUM

TO: Rae M. Loui, Deputy
Commission of Water Resource Mgt.

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Kaupulehu Irrigation Well 1 and 2
Kaupulehu, North Kona, Island of Hawaii
TMK: 7-2-03;3

Paul Rosendahl, Ph.D., Inc. conducted an archaeological inventory survey of the area in 1990 and recorded five sites in the general vicinity of both well sites (PHRI Report 897-102192).

Before we can make any determination of the possible effect of the proposed action on the sites in this area we need better location maps for the well sites and information regarding the access to the wells.

PM: amk
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 Applications

Please review the following permit applications and submit your comments to us by **APR 21 1994**.

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

Enc.

Response:  
(X) We have no objections  
( ) Not subject to our regulatory authority & permit  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Contact Person: Darrell Yagodich  
Phone: 586-3836

Signed: Darrell Yagodich  
Date: 4/21/94
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

Please review the following permit applications pursuant to Section 365-27(d) of the Hawaii Administrative Rules. Submit your comments to us by APR 21, 1994.

<table>
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Should you have any questions, please contact the Commission's Management staff at 587-0225.

Sincerely,

RAE M. LOUI  
Deputy Director

JZ:ky  
Enc.

Response:

(8) We have no objections
(8) Not subject to our regulatory authority & permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person:  
Signed:  
Phone:  
Date:
REF: WRM-KY

MAR 30 1994

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 Applications

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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 objections
( ) Not subject to our regulatory authority & permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: Luis A. Manrique
Phone: 594-1935
Date: 04/07/94
TO: Dr. Don Hibbard, Director  
Historic Preservation Program

Mr. Henry M. Sakuda, Administrator  
Division of Aquatic Resources

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

SUBJECT: Well Construction & Pump Installation Permit Applications

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

JZ:ky
Enc.

Response:
( ) We have no objections
( ) Not subject to our regulatory authority & permit
( ) Additional information requested
( ) Extended review period requested

Contact Person: Henry M. Sakuda
Signed: Henry M. Sakuda  
Date: 4/5/94
MEMORANDUM

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

FROM:  Henry Sakuda, Administrator
        Division of Aquatic Resources

SUBJECT:  Comments on Pump Installation Permit Applications for Mauna Lani Salt Water Wells 1 (Well No. 5651-02) and 2 (Well No. 5651-03), Hawaii Island; Kaupulehu Irrigation Wells 1 (Well No. 4757-01) and 2 (Well No. 5651-03), Hawaii Island; and Well Construction Permit Applications for Kaluanui III (Well No. 3554-06) Oahu; Kilauea-KPG III (Well No. 1225-03), Kauai.

Mauna Lani Salt Water Wells 1 and 2

The two wells for the Mauna Lani Resort in South Kohala each will provide 4,300,000 gallons of salt water per day for the support of a contained marine life display, with one pump serving as standby capacity. Pump tests showed that the overlying brackish water lens would not be affected by an operational well. There appears to be no potential for any effect on aquatic biological resources.

Kaupulehu Irrigation Wells 1 and 2

The two wells will each supply 500,000 gallons of water per day for irrigation of Kaupulehu's TPC Golf Course makai of Queen Kaahumanu Highway. The golf course is located on a lava flow, there are no surface water habitats in the area, and there is no identifiable means for affecting inshore marine waters. We have no objections from the aquatic biological resources standpoint.

Kaluanui III Well

The application by the Board of Water Supply, City and County of Honolulu is for a new exploratory well to develop a new well source for the unsuccessful Kaluanui Well II. We have previously noted that Kaluanui Stream is one of the few streams on Oahu that supports the full complement of native freshwater organisms, including a spawning population of Lentipes concolor. Designation of the stream as a State Fish Refuge is currently being considered as a means of protecting these biota, and discussions are underway with State Parks for creation of a public educational/informational program about these biota. Links between well pumpage and stream flow are hard to predict but unquestionably
exist. It appears that Board of Water Supply wells on leeward Oahu have resulted in marked reduction in flows in some streams with resultant complete elimination of the native aquatic biota which were abundant prior to installation of the wells. A proliferation of wells near biologically valuable streams such as Kaluanui could eventually reduce flows and destroy habitat needed for the survival of the native biota that have already been depleted by development on Oahu. An exploratory well would not present a hazard to the stream, but an operational well would. There should be a condition that pump tests will include a short-term effort to determine whether there is a definable reduction in flows in Kaluanui Stream, with the understanding that any such demonstrable reduction will preclude conversion to operational status. It should also be agreed that conversion to an operational status in the absence of a short-term definable effect on the stream should still require long-term monitoring of flows with possible shut-down during drought periods to assure maintenance of stream flows.

Kilauea-KPG III Well

The application by Kauai Professional Group III involves construction of a well near Kilauea, Kauai to supply approximately 50,000 gallons of water per day for limited industrial use. An extensive analysis accompanying the application seems to show there is no significant likelihood for reduction of nearby stream flows by an operational pump. As long as there is no challenge to this conclusion by competent authority, we have no objections from the aquatic biological resources standpoint.
Mr. William Sewake, Manager  
Department of Water Supply  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Mr. Sewake:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 21 1994.

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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

Response:
( ) We have no objections
( ) Not subject to our regulatory authority & permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
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 Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by **APR 21, 1994**.

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Sincerely,

RAE M. LOUI  
Deputy Director

---

Response:

( ) We have no objections  
( ) Not subject to our regulatory authority & permit  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Contact Person: _____________________________________ Phone: ______________

Signed: ___________________________________________ Date: ______________
Ms. Marjorie Ziegler  
Sierra Club Legal Defense Fund, Inc.  
223 South King Street, Suite 400  
Honolulu, Hawaii 96813

Dear Ms. Ziegler:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 21, 1994.

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<td>3554-06</td>
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<td>1225-03</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

Response:
( ) We have no objections  
( ) Not subject to our regulatory authority & permit  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Contact Person: _____________________________ Phone: ______________________

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

Attn: Mr. Dennis Tulang

Dear Mr. Arizumi:

Well Construction and Pump Installation Permit Applications

Please review the following permit applications pursuant to your area of concern and submit your comments to us by APR 21 1994.

<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,

JZ:ky
Deputy Director

Enc.

Response:
( ) We have no objections
( ) Not subject to our regulatory authority & permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ___________________________ Phone: ________________

Signed: ___________________________ Date: ________________
Mr. Thomas Arizumi, Chief  
Environmental Management Division  
State 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 Applications

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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:ky  
Enc.

Response:
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( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Contact Person: ___________________________ Phone: _______________________

Signed: ___________________________ Date: ___________________________
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 Applications  

Please review the following permit applications and submit your comments to us by APR 21 1994 .  

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Enc.

Response:  
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( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested  

Contact Person: ___________________________ Phone: ___________________________  
Signed: ___________________________ Date: ___________________________
TO: Dr. Don Hibbard, Director
   Historic Preservation Program

   Mr. Henry M. Sakuda, Administrator
   Division of Aquatic Resources

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

SUBJECT: Well Construction & Pump Installation Permit Applications

Please review the following permit applications and submit your comments to us by APR 21 1994.

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

JZ:ky
Enc.

------------------------------------------------------------------------------------------------------------------------

Response:
( ) We have no objections
( ) Not subject to our regulatory authority & permit
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Contact Person: ______________________________ Phone: ______________________________
Signed: _________________________________ Date: ________________________________
Mr. Tom Nance  
Tom Nance Water Resource Engineering  
680 Ala Moana Boulevard, Suite 406  
Honolulu, Hawaii 96813-5411

Dear Mr. Nance:

We have received your applications and filing fee for permits to install pumps in Kaupulehu Irrigation Wells 1 & 2 (Well Nos. 4757-01 & 02) at Kaupulehu, Hawaii, (TMK 7-2-03:03). We are reviewing the applications 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:ky

cc: Mr. Kim Richards  
Kaupulehu Land Company
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<tr>
<td></td>
<td>E. SAKODA</td>
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<td>F. Ching</td>
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<td></td>
<td>R. Hardy</td>
</tr>
<tr>
<td>1</td>
<td>L. Nakama</td>
</tr>
<tr>
<td>2</td>
<td>D. Higa</td>
</tr>
<tr>
<td>3</td>
<td>J. Zhang</td>
</tr>
</tbody>
</table>

**PLEASE:**

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

**REMARKS:**

1. Talk to Naka - sent out for rev & comments.
3. Glenn - review & comment on Q test results versus proposed pump capacities.

**FOR YOUR:**

- Approval
- Signature
- Information

---

*Handwritten notes:*

Well I am not sure. The tests of the wells. The tests of the wells shall be able to support the pump rate. The test results are not known. Chloride could increase.
Mr. Tom Nance  
Tom Nance Water Resource Engineering  
680 Ala Moana Boulevard, Suite 406  
Honolulu, Hawaii 96813-5411

Dear Mr. Nance:

We have received your applications and filing fee for permits to install pumps in Kaupulehu Irrigation Wells 1 & 2 (Well Nos. 4757-01 & 02) at Kaupulehu, Hawaii, (TMK 7-2-03:03). We are reviewing the applications 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:

cc: Mr. Kim Richards  
Kaupulehu Land Company
APPLICATION FOR PERMIT  
1-3-94  93-49

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: Kailua-Kona, Hawaii 96745
   (b) LANDOWNER
      Firm/Name: Kamehameha Schools/ BP Bishop Estate
      Contact Person: Sydney Kelipuleole
      Address: 567 South King Street, Honolulu, Hawaii 96813
   (c) CONTRACTOR
      Firm/Name: To Be Competitively Bid
      Address: 

   Contractor’s C-57 License No.

2. WELL LOCATION/NAME: Kaupulehu Irrigation Well No. 1 (4757-01) Island Hawaii
   Address: Kaupulehu, Hawaii
   Tax Map Key: 7-2-03:3

3. (a) PROPOSED WORK: 
   - Drill New Well
   - * Alter Location
   - Modify Existing Well
   - Pedestal
   - Install New Pump
   - Replace Pump
   - Modify Pump
   * Be sure to complete and submit well abandonment report upon completion of work.

4. PROPOSED PUMP INFORMATION: 
   Rated Pump Capacity: 350 gallons per minute
   Pump Type:
   - Deep Well Turbine
   - Submersible
   - Centrifugal
   - Rotary-Displacement
   - Rotary-Gear
   Motor:
   - Diesel
   - Gas
   - Electric, rated horsepower of 125 HP

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL: 500,000 gallons per day

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

8. REMARKS, EXPLANATIONS: 
   This pump will be installed to irrigate Kaupulehu’s TPC Golf Course located in the Resort area makai of Queen Kaaehumanu Highway.

OTE: 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 completion of the permitted work. The applicant also understands that monthly water usage data shall be submitted to the Commission. The applicant further understands that approval of a 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: Kaupulehu Land Company
Landowner: Kamehameha Schools/ BP Bishop Estate
Contractor: 

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

Longitude
LatITUDE
Aquifer System Name
State Well No.

5/14/94 with F
9. PROPOSED WELL SECTION

- Elevation at top of casing: 849 ft., msl.
- Ground Elevation: 847.8 ft., msl*
- Cement Grout: 500 ft.
- Rock Packing: 377 ft.
- Hole Diameter: 17 in.
- Total Depth: 975 ft.

Solid Casing:
- Material: Steel (ASTM A-283)
- Length: 877 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Casing: □ Perforated □ Screen
- Material: Steel (ASTM A-283)
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: __________ sq. in./L.F.

Open Hole:
- Length: 68 ft.
- Diameter: 12 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.
APPLICATION FOR PERMIT

1-3-94
93-49

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

APPLICATION FOR PERMIT

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/BP Bishop Estate
   Contact Person: Sydney Keilipuleole
   Address: 967 South King Street
   Honolulu, Hawaii 96813
   (c) CONTRACTOR
   Firm/Name: To Be Competitively Bid
   Ph: contractor's C-57 License No.

2. WELL LOCATION/NAME:
   Kaupulehu Irrigation Well No. 2 (4757-02) Island Hawaii
   Address: Kaupulehu, Hawaii
   Tax Map Key: 7-2-03:3
   (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
   * 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: 550 gallons per minute
   Motor:
   • Diesel
   • Gas
   • Electric, rated horsepower of
     200 HP

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

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   500,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   • Flow-meter
   • Open-pipe
   • Orifice Plate
   • Weir
   (If more space is needed, continue on back)

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

8. REMARKS, EXPLANATIONS:
   This pump will be installed to irrigate Kaupulehu’s TPC Golf Course located in the Resort area makai of Queen Kaahumanu Highway.

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

Signature

For Official Use Only:
Longitude
Aquifer System Name
State Well No.
9. PROPOSED WELL SECTION

Elevation at top of casing: 867 ft., msl.

Ground Elevation: 865 ft., msl*

Cement Grout: 500 ft.

Rock Packing: 392 ft.

Solid Casing:
- Material: Steel (ASTM A-283)
- Length: 872 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Casing: □ Perforated  □ Screen
- Material: Steel (ASTM A-283)
- Length: 20 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: sq. in./L.F.

Open Hole:
- Length: 90 ft.
- Diameter: 12 in.

Hole Diameter: 16 in.

Total Depth: 982 ft.

*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.
1. **APPLICANT:** (may be a, b, or c, but all must be filled in)
   - **(a) WELL OWNER**
     - **Name:** Kaupulehu Land Company
     - **Address:** P.O. Box 1119
     - **City:** Kailua-Kona, Hawaii 96745
   - **(b) LANDOWNER**
     - **Name:** Kamehameha Schools/BP Bishop Estate
     - **Address:** 867 South King Street
     - **City:** Honolulu, Hawaii 96813
   - **(c) CONTRACTOR**
     - **Name:** To Be Competitively Bid
     - **Address:** Contractor's C-57 License No.

2. **WELL LOCATION/NAME:**
   - **Location:** Kaupulehu Irrigation Well No. 2 (4757-02) Island Hawaii
   - **Address:** Kaupulehu, Hawaii
   - **Tax Map Key:** 7-2-03-3 (Attach a USGS map, scale 1" x 2000', and a property tax map showing well location referenced to established property boundaries.)

3. **PROPOSED WORK:**
   - **(a) WELL**
     - **Proposed Work:** Drill New Well
     - **Methods:**
       - Install New Pump
     - **Remarks:**
       - Be sure to complete and submit well abandonment report upon completion of work.
   - **(b) WELL TYPE:**
     - **Type:** Deep Well Turbine
     - **Flow:** 500,000 gallons per day
     - **Motor:**
       - Electric, rated horsepower of 200 HP
     - **Pump Type:**
       - Deep Well Turbine
       - Submersible
       - Centrifugal
     - **Proposed Work:** Drill New Well
     - **Remarks:**
       - Be sure to complete and submit well abandonment report upon completion of work.

4. **PROPOSED USE:**
   - **Proposed Use:** Municipal (including hotels, stores, etc.)
   - **State Land Use District:** Urban
   - **County Zoning (describe):** Urban

5. **PROPOSED AMOUNT OF WITHDRAWAL:**
   - **Amount:** 500,000 gallons per day

6. **METHOD OF FLOW MEASUREMENT:**
   - **Flow:** Meter
   - **Orifice Plate:**
     - **Flow meter:**
     - **Orifice Plate:**
     - **Weir:**

7. **PENDING ACTIONS:**
   - **Action:** CDUA
   - **Action:** SGA
   - **Action:** EIS
   - **Action:** EA
   - **Action:** NONE
   - **Action:** OTHER(UNSPECIFIED)

8. **REMARKS, EXPLANATIONS:**
   - This pump will be installed to irrigate Kaupulehu's TPC Golf Course located in the Resort area makai of Queen Kaahumanu Highway.

---

**Signature:**

**Date:**

---

**APPLICATION FOR PERMIT**

**Date:** 1-3-94

**Instructions:**

- Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225.

**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 corrective water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

---

**For Official Use Only:**

**Date Accepted:**

**Field Checked By:**

**Longitude:**

**Latitude:**

**Aquifer System Name:**

**State Well No.:**

---

**Kamuela Irrigation Well No. 2**

**WELL LOCATION/NAME:**

**Address:** Kaupulehu, Hawaii

**PROPOSED WORK:**

- Drill New Well
- Install New Pump

**PUMP INFORMATION:**

- **Type:** Deep Well Turbine
- **Flow:** 500,000 gallons per day
- **Motor:** Electric, rated horsepower of 200 HP

**PROPOSED USE:**

- **Proposed Use:** Municipal (including hotels, stores, etc.)
- **State Land Use District:** Urban
- **County Zoning (describe):** Urban

---

**Signature:**

**Date:**
9. PROPOSED WELL SECTION

Elevation at top of casing: 867 ft., msl.

Ground Elevation: 865 ft., msl*

Cement Grout: 500 ft.

Rock Packing: 392 ft.

Hole Diameter: 16 in.

Total Depth: 982 ft.

Solid Casing:
- Material: Steel (ASTM A-283)
- Length: 872 ft.
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- Wall thickness: 0.3125 in.

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- Material: Steel (ASTM A-283)
- Length: 20 ft.
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Open Hole:
- Length: 90 ft.
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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

1-3-94

□ Well Construction  □ Pump Installation

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1. APPLICANT: (may be a, b, c, or d but all must be filled in)
   (a) WELL OWNER
       Kaupulehu Land Company
       Owner Kaupulehu Land Company
       Address Kaupulehu, Kailua-Kona, Hawaii 96745
       Filed Person Kim Richards
       Ph. 325-0808
       P.O. Box 1119
       Address Kailua-Kona, Hawaii 96745
   (b) LANDOWNER
       Kamehameha Schools/BP Bishop Estate
       Firm/Name
       Address 567 South King Street
       Honolulu, Hawaii 96813
       Filed Person Sydney Kellipulele
       Ph. 523-6200
   (c) CONTRACTOR
       To Be Competitively Bid
       Firm/Name
       Address
       Contractor's C-57 License No.

2. WELL LOCATION/NAME: Kaupulehu Irrigation Well No. 1 (4757-01) Island Hawaii
   Address Kaupulehu, Hawaii
   Tax Map Key 7-2-03:3
   (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
       □ 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:
       □ Deep Well Turbine
       □ Rotary
       □ Submersible
       □ Rotary-Displacement
       □ Reciprocating
       □ Centrifugal
       □ Rotary-Gear
       □ Impulse
       □ Motor:
       □ Diesel
       □ Gas
       □ Electric, rated horsepower of 125 HP

4. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 350 gallons per minute

5. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)
   □ Domestic (individual, noncommercial water system)
   □ Irrigation (crop)
   □ Golf Course
   □ Industrial
   □ Other (explain)

   State Land Use District:
   Urban
   Agriculture
   Rural
   Conservation
   (If more space is needed, continue below remarks, explanations.)

6. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   500,000 gallons per day

   (b) METHOD OF FLOW MEASUREMENT:
   □ Flow-meter
   □ Open-pipe
   □ Oscillograph
   □ Weir

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

8. REMARKS, EXPLANATIONS:
   This pump will be installed to irrigate Kaupulehu's TPC Golf Course located in the Resort area makai of Queen Kaahumanu Highway.
   (If more space is needed, continue on back)

Date

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

Longitude

Aquifer System Name

State Well No.

KAILUA WTH Fw
9. PROPOSED WELL SECTION

Elevation at top of casing: 849 ft., msl.

Ground Elevation: 847.8 ft., msl*

Cement Grout: 500 ft.

Rock Packing: 377 ft.

Hole Diameter: 17 in.

Total Depth: 975 ft.

Solid Casing: Steel (ASTM A-283)
- Material: Steel (ASTM A-283)
- Length: 877 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.

Casing: □ Perforated □ Screen
- Material: Steel (ASTM A-283)
- Length: 30 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: sq. in./L.F.

Open Hole:
- Length: 68 ft.
- Diameter: 12 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 report.
Mr. Keith Ahue  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii  96809  

Dear Mr. Ahue:  

Pump Installation Permit Applications for Kaupulehu Land Company's Irrigations Wells 4757-01 & -02 in North Kona, Hawaii  

On behalf of Kaupulehu Land Company, I am pleased to submit the enclosed permit applications and filing fees to install 350 and 550 GPM pumps in Well Nos. 4757-01 and -02, respectively. Both wells produce brackish water suitable for golf course and other landscape irrigation. Year-round combined use of both wells is expected to average 0.8 to 1.0 million gallons per day. A somewhat higher use rate is expected during the golf course's grow-in period.  

If you have any questions or need additional information, feel free to call Mike Swanson at Kaupulehu Land Company (325-0808) or me. Thank you for your attention to this matter. 

Sincerely,  

Tom Nance  

Enclosures  

cc: Mike Swanson - KALACO  
Roger Harris - PIA Sports Properties
PAY 

** Fifty and 00/100 ** 

DOLLARS $ 50.00 

TO THE ORDER OF 

Department of Land & Natural Resources 

** February 14, 1994 ** 

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DATE: August 6, 1992

TO: Department of Land and Natural Resources
Commission on Water Resource Management
P.O. Box 373
Honolulu, Hawaii 96809

ATTENTION: Ed Sakoda

SUBJECT: Kaupeluhu - PIA Well No. 1 = State Well No. 4757-01

We herewith transmit the following:

1 Set Completed Well Driller’s Report and final pump test data for this well. The well was constructed by Richardson Well Drilling.

Remarks:

We herewith transmit the above documents for your records. This should satisfy your requirements for this well. Please feel free to call me if there are any questions regarding this matter.

Sincerely,
Tom Nance Water Resources Engineering

Greg Fukumitsu, P.E.

cc; Roger Harris
WELL COMPLETION REPORT

1. STATE WELL NO. 4757-01 WELL NAME Kaupulehu Well No. 1 ISLAND Hawaii
2. LOCATION: Address Kaupulehu, North Kona, Hawaii Tax Map Key 7-2-03:3
3. DRILLING OR PUMP INSTALLATION CONTRACTOR Richardson Well Drilling
4. CONTRACTOR'S C-57 LICENSE NUMBER C-12552
5. NAME OF DRILLER WHO PERFORMED WORK Dave McCalister
6. TYPE OF RIG/CONSTRUCTION Cable Tool
7. DATE OF WELL DRILLING COMPLETION 4-5-91
8. GROUND ELEVATION (msl) 847.8 ft.
   Top of Drilling Platform (msl) N/A ft.
   Height of Drilling Platform above Ground surface N/A ft.
   Bench Mark and Method Used to Determine Ground Elevation N/A ft.
9. DRILLER'S LOG:
   Water Level
   Depth (ft.) Rock Description, Remarks, Dates Water Level Depth (ft.) Rock Description, Remarks, Dates
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   (if more space is needed, continue on back.)
10. TOTAL DEPTH OF WELL BELOW GROUND 975 ft.
11. HOHE SIZE:
    17 inch dia. from 0 ft. to 907 ft. below ground
    12 inch dia. from 907 ft. to 975 ft. below ground

12. CASING INSTALLED:
    12 in. I.D. x 0.3125 in. wall solid section to 877 ft. below ground
    12 in. I.D. x 0.3125 in. wall perforated section to 30 ft. below ground

13. ANNULUS:
    Grouted from 0 ft. below ground to 500 ft. below ground
    Gravel packed from 500 ft. below ground to 877 ft. below ground

14. INITIAL WATER LEVEL 845 ft. below ground.
15. INITIAL CHLORIDE 250 ppm
16. INITIAL TEMPERATURE--°F
17. DATE OF PUMP INSTALLATION N/A
18. PUMP INSTALLATION:
    Pump Type, Make, Serial No. N/A
    Capacity N/A gpm
    Motor type, H.P., Voltage, rpm Direct Drive Diesel
    Depth of Pump Intake Setting 905 ft. below ground, which elevation is -57.2 ft.
    Depth of bottom of airline 885 ft. below ground, which elevation is -37.2 ft.
    Pumping Head is ft.
19. PUMPING TESTS:
    Reference Point (R.P.) used: N/A
    which elevation is ft.
    Date 3-18-91 Start water level 845 ft. below R.P.
    Date 3-25-91 to 3-27-91 End water level 975 ft. below R.P.
    Elapsed Time (hours) 12:46 to 12:43
    Rate (gpm) 0 to 0
    Drawdown (ft.) 0 to 0
    Temp. °F 72 to 72
    Elapsed Time (hours) 1:26 to 1:17
    Rate (gpm) 100 to 74
    Drawdown (ft.) 100 to 74
    Temp. °F 72 to 72

Remarks:

Contractor (print) Richardson WELL DRILLING
Title
Signature

For Driller's Use:
Job Name
Job No.
Date

For Official Use:
Longitude 155° 57' 44" Well No. 8-4757-01
Latitude 19° 47' 54"
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19. (cont'd) PUMPING TESTS (cont'd):

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Remarks (cont'd):

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COMPANY BEING SENT TO: 
RECEIVING PERSON: 
COMPANY SENT FROM: Richardson Well Drilling
PERSON SENT FROM: Rick
PAGES TO FOLLOW: 2
TIME SENT: 1-21-91 / 12:45

MESSAGE: Tom,

Well formation to 965'

Also we have samples taken from 910 every 5', if you would like to see them.
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WELL CONSTRUCTION PERMIT
for
Kaupulehu-PIA-Kona Well
Well No. 4757-01
Kaupulehu, North Kona, Hawaii

TO: PIA-Kona Ltd. Partnership
P.O. Box 803
Kamuela, Hawaii 96743

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 Well No. 4757-01 within Tax Map Key: 7-2-03:3 for golf course irrigation use is approved, subject to the following conditions:

1. The Division of Water and Land Development (DOWALD), Geology-Hydrology Section, shall be notified at 548-7619, before any work covered by this permit commences.

2. The permit shall be for construction and testing only. No permanent pump may be installed and no water used from the well without the necessary pump installation permit from the Commission.

3. The grouted annulus shall be a minimum of from 0 to 500 ft. instead of from 0 to 300 ft. as proposed. An annular space of at least 3 inches all around the casing shall be provided.

4. The following shall be submitted to DOWALD within 30 days after completion of the well:
   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.
5. The applicant shall comply with all applicable laws, rules, and ordinances.

6. This permit may be revoked if work is not started within six months of date of issuance or if work is suspended or abandoned for six months. The work shall be completed within two years of the date of issuance.

OCT 24 1989
Date of Issuance

WILLIAM W. PATY, Chairperson
Commission on Water Resource Management

cc: USGS
Department of Health,
Drinking Water Branch
Ground Water Protection Program
Hawaii Department of Water Supply
October 12, 1989

PIA-Kona Ltd. Partnership
P.O. Box 803
Kamuela, Hawaii 96743

Gentlemen:

The Commission on Water Resource Management will be acting on your permit application for Kaupulehu-PIA-Kona Well at their regularly scheduled meeting on October 18, 1989, at 2:00 p.m. in Board Room 132, 1151 Punchbowl Street, Honolulu.

Your application will be included on the agenda as Item 9 (attached).

You or your representative are invited to attend the meeting.

Sincerely,

[Signature]

Makabu Tagomori
Deputy Director

ES:to
Encl.
August 25, 1989

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

Dear Mr. Paty:

SUBJECT: WELL CONSTRUCTION PERMIT APPLICATION
KAUPULEHU-PIA-KONA WELL
STATE WELL NO. 4757-01
KAUPULEHU, NORTH KONA, HAWAII

Thank you for the opportunity to comment on the well drilling permit for the proposed well. We offer the following comments.

1. Because the exploratory well will be intended for golf course irrigation use only, it will not be subject to the State's Potable Water Systems Regulations, Chapter 20, Title 11, Administrative Rules.

2. The well site is situated above the Underground Injection Control (UIC) line. Land areas above the UIC line are considered to contain underground sources of drinking water. It is essential that the well is designed and constructed so that it does not in itself contribute to groundwater contamination. For example, the well should have a concrete well pad to prevent seepage or floodwaters from migrating down the well shaft.

3. The proposed well lies approximately 1 mile upgradient of existing drinking water wells (Kona Village water system, wells 4858-02 and 4858-03). The Kona Village wells withdraw brackish water which is desalinated with electrodialysis. Because golf course irrigation typically requires heavy aquifer pumpage, operation of the proposed well should not be allowed to degrade the water quality of the existing drinking water wells, especially with regards to salinity.
The Honorable William W. Paty  
Page 2  
August 25, 1989

If you have any questions, please contact the Safe Drinking Water Branch at 548-2235.

Very truly yours,

JOHN C LEWIN, M.D.  
Director of Health

cc: Roger Harris  
PIA - Kona Ltd. Partnership  
P.O. Box 803  
Kamuela, Hawaii 96743
September 8, 1989

PIA-Kona Ltd., Partnership
P.O. Box 803
Kamuela, Hawaii 96743

Gentlemen:

The Commission on Water Resource Management will be acting on your permit application for Kaupulehu-PIA-Kona Irrigation Well at their meeting on September 13, 1989, at 2:00 p.m. Please note that the meeting will take place in Lihue, Kauai, at the State Office Building, Conference Rooms A and B, 3060 Eiwa Street.

Your application will be included on the agenda as Item 11 (attached).

You or your representative are invited to attend the meeting.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:bm
Attach.
August 15, 1989

Mr. Manabu Tagomori, Deputy Director
Department of Land and Natural Resources
Commission on Water Resource Management
P.O. Box 621
Honolulu, HI  96809

WELL CONSTRUCTION PERMIT APPLICATIONS
HAWAII RIVIERA RESORT WELL (0433-01)
KAUPULEHU-PIA-KONA WELL (4757-01)
WAIKOLOA RESORT IRRIGATION WELL 3 (5452-02)

We have no objections to the subject permit applications.

H. William Sewake
Manager

GK
August 17, 1989

MR MANABU TAGOMORI  
DEPUTY DIRECTOR  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P O BOX 621  
HONOLULU HI 96809

SUBJECT: WELL CONSTRUCTION PERMIT APPLICATION  
HAWAIIAN RIVIERA RESORT WELL (0443-01)  
KAUPULEHU - PIA - KONA WELL (4757-01)  
WAIKOLOA RESORT IRRIGATION WELL 3 (5452-02)

We have reviewed the subject permit application and have no objections to the proposed well construction.

ROBERT K. YANABU, DIVISION CHIEF  
Engineering Division

STT:ama
REF: WL: BM

AUG 10 1989

Honorable John C. Lewin, M.D.
Director of Health
Department of Health
1250 Punchbowl Street
Honolulu, Hawaii 96813

Attention: Mr. Thomas Arizumi, Drinking Water Program

Dear Dr. Lewin:

Well Construction Permit Applications

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168-12(c), we are sending you a copy of the following permit applications:

Hawaiian Riviera Resort Well (0443-01)
Kaupulehu-PIA-Kona Well (4757-01)
Waikoloa Resort Irrigation Well 3 (5452-02)

Please submit your comments to us, orally or in writing, within three weeks from the date of this letter.

If you have any questions, please contact Manabu Tagomori at 548-7533.

Very truly yours,

WILLIAM W. PATY

Enc.
August 8, 1989

Mr. William Sewake, Manager
Department of Water Supply
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Dear Mr. Sewake:

Well Construction Permit Applications

We are sending you a copy of the following permit applications for your review and comments:

Hawaiian Riviera Resort Well (0443-01)
Kaupulehu-PIA-Kona Well (4757-01)
Waikoloa Resort Irrigation Well 3 (5452-02)

Please submit your comments to us, orally or in writing, within three weeks from the date of this letter.

If you have any questions, please contact Dan Lum at 548-7643.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:bm
Enc.
August 8, 1989

Mr. Hugh Y. Ono
Chief Engineer
Department of Public Works
County of Hawaii
25 Aupuni Street
Hilo, Hawaii 96720

Dear Mr. Ono:

Well Construction Permit Applications

We are sending you a copy of the following permit applications for your review and comments:

Hawaiian Riviera Resort Well (0443-01)
Kaupulehu-PIA-Kona Well (4757-01)
Waikoloa Resort Irrigation Well 3 (5452-02)

Please submit your comments to us, orally or in writing, within three weeks from the date of this letter.

If you have any questions, please contact Dan Lum at 548-7643.

Sincerely,

MANABU TAGOMORI
Deputy Director

FS:bm
Enc.
August 7, 1989

PIA-Kona Ltd. Partnership
P.O. Box 803
Kamuela, Hawaii 96743

Gentlemen:

We acknowledge receipt of your Well Construction Permit application and $25.00 filing fee to construct and test Kaupulehu-PIA-Kona Well (Well No. 4757-01). My staff is processing the application and will contact your staff should there be any questions.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:bm
DIVISION OF WATER RESOURCE MANAGEMENT

FROM: John Doe
DATE: 8/1/87
FILE IN: 4757-01

TO: INITIAL:

PLEASE: See Me

REMARKS:

I need to see an answer. Please wait for it.
August 2, 1989
89-1394

Mr. William Paty, Chairman
Commission on Water Resource Management
Department of Land & Natural Resources
P. O. Box 373
Honolulu, Hawaii 96809

Dear Mr. Paty:

Well Drilling Application for Kaupulehu, North Kona, Hawaii

On behalf of PIA-Kona Ltd. Partnership, we are submitting the enclosed well drilling application and $25.00 filing fee. The drilling and pump testing work is an exploratory effort to determine the quantity and quality of groundwater in this location. Depending on results obtained, the well may ultimately be used for golf course irrigation. If you have any questions, please feel free to contact me.

Sincerely,

Tom Nance

TN:It

cc: Roger Harris - PIA-Kona Ltd. Partnership

Enclosures
APPLICATION FOR

X WELL CONSTRUCTION PERMIT

_ PUMP INSTALLATION PERMIT

INSTRUCTIONS: Please print or type and send completed application with attachments to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Department of Land and Natural Resources. (Filing fee waived for government agencies.) If necessary, phone 548-1543, Hydrology/Geology Section for assistance.

1. WELL LOCATION
   Island Hawaii Tax Map Key 7-2-03:3
   Address Kaupulehu, North Kona, Hawaii
   (Attach a USGS map (scale 1"=2000') and property tax map showing well location referenced to established property boundaries.)

2. WELL OWNER
   Firm Name PIA - Kona Ltd.
   Contact Person Roger Harris
   Address P.O. Box 803
   Kamuela, Hawaii 96743
   Phone 885-1035

3. PROPOSED CONTRACTOR FOR: ☐ Well Drilling ☐ Pump Installation
   Name To Be Competitively Bid
   Address
   Contractor's License No.

4. PROPOSED WORK
   ☐ Drill New Well ☐ Deepen ☐ Redrill
   ☐ Alter ☐ Seal ☐ Abandon
   ☐ Install New Pump ☐ Replace Pump ☐ Modify Pump
   ☐ (Briefly describe the proposed work and fill in the diagram on the back of this form.)

5. PROPOSED USE
   ☐ Municipal (including hotels, stores, etc.) ☐ Military
   ☐ Domestic (individual, noncommercial water systems) ☐ Industrial
   ☐ Irrigation (specify) ☐ Golf Course ☐ Other (specify)

6. PROPOSED AMOUNT OF WITHDRAWAL 500,000 gallons per day

7. PROPOSED PUMP INFORMATION
   Pump Type: ☐ Vertical Turbine ☐ Submersible ☐ Centrifugal
   Motor: ☐ Diesel ☐ Gas ☐ Electric: 100 ☐ Rated Horsepower
   Rated Pump Capacity 350' gallons per minute (gpm)

Well Owner (print) PIA Kona Ltd. Partnership
Signature Roger A. Harris
Date 1-27-97

Landowner (print) B. P. Bishop Estate
Signature
Date 7-24-97

For Official Use Only:
Field Checked By ____________________________
Latitude ____________________________
Longitude ____________________________
State Well No. 4757-01

Hydrologic Unit ____________________________
Briefly describe the proposed work: Drill, case, and pump test an exploratory well for possible golf course irrigation use.

PROPOSED SECTION OF WELL

Elevation at top of casing 792 ft., msl.

Ground Elev. 790 ft., msl*

Cement Grout 300 ft.

Solid Casing:
- Material: Steel (ASTM A-283)
- Length: 785 ft.
- Diameter: 12 in.
- Wall thickness: 0.375 in.

Hole Dia. 16 in.

Total Depth 845 ft.

Rock Packing None ft.

Casing: /X/Perforated / /Screen
- Material: Steel (ASTM A-242)
- Length: 40 ft.
- Diameter: 12 in.
- Wall thickness: 0.3125 in.
- Openings: 60 sq. in./L.F.

Open Hole:
- Length: 20
- Diameter: 10 in.

*Approximate elevation at time of filing application. Final elevation (msl) by a surveyor licensed by the State must be submitted at start of construction.
DEPT. OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P. O. BOX 373
Honolulu, HI 96809

FILING FEE: WELL 4757-01

BELT COLLINS AND ASSOCIATES

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>
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<td>Kaupulehu, North Kona, HI PIA - KONA LTD. PARTNERSHIP B.P. BISHOP ESTATE</td>
<td>$25.00</td>
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<tr>
<td></td>
<td>Application for Well Construction Permit WELL 4757-01</td>
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