**CHECKLIST**

- **WELL CONSTRUCTION PERMIT**
  - **WELL NAME or LOCATION:** Pukapua, Deep
  - **WELL NUMBER:** 6337-01
  - **Tax Map Key:** 6-3-01:04

- **PUMP INSTALLATION PERMIT**

**OWNER/OPERATOR:** State of Hawaii, DLNR
- **Firm Name:** Div. of Water & Land Development
- **Contact Person:** Manabu Tagomori
- **Address:** 1151 Punchbowl St., Room 227
- **Address:** Honolulu, Hawaii 96813
- **Phone:** 587-0230
- **Date application received:** 4-27-92
- **Date acknowledged receipt/request more info:** 6-1-92
- **Date application accepted:**
- **Suspense date (90 days):**
- **Date filing fee deposited:**

**LANDOWNER:**
- **Firm Name:** State of Hawaii
- **Contact Person:**
- **Address:**
- **Phone:**

**Application sent to following:**

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<th>Department/Agency</th>
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<td>Eric Hirano/Lynn</td>
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**Date agenda due:**

**Date submittal due:**

**Date submittal sent to applicant:**

**Date application approved or disapproved:**

**Date applicant notified of decision:**

**REMARKS:**

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Mr. Milton D. Pavao, Manager  
County of Hawaii  
Department of Water Supply  
25 Aupuni Street  
Hilo, Hawaii 96720  

Dear Mr. Pavao:

Thank you for your letter of February 2, 1996, in which you describe the steps being taken by the DWS to meet the demands of the South Kohala drought condition through the use of alternative sources. All three wells that were mentioned already have pump installation permits from the Commission on Water Resource Management. Please note that the Parker Ranch Well is Well No. 6239-02 and not 6239-01, as indicated in your letter.

Since there are no water management areas on the island of Hawaii, and the proper permits have been issued, you do not need to notify us of such action in the future. Thank you for keeping us apprised of the situation in this region.

If you have any questions, please call Lyann Mizuno at (808) 587-0255.

Sincerely,

RAE M. LOUI  
Deputy Director  

LM:fc
February 2, 1996

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

SOUTH KOHALA DROUGHT
ALTERNATE SOURCES

We are still in a drought condition for our South Kohala system. Our Waikoloa Reservoirs storage level is down to 59 million gallons (total storage capacity is 150 MG). We are proceeding with the planning and implementation of several emergency and temporary projects using existing wells in the area. These wells are not owned by the Department.

Following is a description of the projects and the wells:

1. Waimea Country Club Well (Well No. 6235-01)

   This well is outfitted with a 590-GPM pumping unit and is used by Waimea Country Club for their golf course irrigation purposes. The connection into our system has been completed.

   We are planning to use this well for about four days pumping time each week.

2. Parker Ranch Well (Well No. 6239-01)

   A temporary deepwell pumping unit rated at about 300 GPM is currently being installed.

   We plan to operate this pumping unit continuously.

3. Puukapu Deepwell (Well No. 6337-01)

   This project is currently under contract with the Department of Land and Natural Resources, State of Hawaii. Upon project completion and acceptance, the deepwell pumping system will be turned over to the Department of Agriculture (DOA) for their Lalamilo Irrigation Water System.

   Water brings progress...
Ms. Rae M. Loui, Deputy Director  
Page 2  
February 2, 1996

We have received approval of the pumped well water on an interim basis until such time that the DOA will need the source water for their irrigation system.

The deepwell pump is rated at 1,000 GPM. We are planning to use this water on a continuous basis.

For more clarifications, please contact Mr. Gary Kawasaka at 969-1421.

Milton D. Pavao, P.E.  
Manager

GK
TO Eric Hirasu

DATE 8/14/92 TIME 9:15

WHILE YOU WERE OUT

M. Allan Marakami
of NHIC

Phone 521-2302

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Message: CROSS Mtg. 7/15/92 Item 9
Put your Deep Well - Says they wrote a letter?

Class D. Clark
Operator
PUMP INSTALLATION PERMIT

for

Puukapu Deep Well
Well No. 6337-01
Puukapu, South Kohala, Hawaii

TO: Division of Water & Land Development
1151 Punchbowl Street, Room 227
Honolulu, HI 96813

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", your application to install a pump in Puukapu Deep Well (Well No. 6337-01), for irrigation use, is approved subject to the following conditions:

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

2. 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.

3. The permit shall be for installation of a 1,000 gpm capacity pump in the well.

4. 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.
PUMP INSTALLATION PERMIT
Well No. 6337-01

5. The following shall be submitted to the Commission staff within 30 days after completion of the work:
   a. Well Completion Report.
   b. As-built sectional drawing of the installed pump.

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

7. This 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.

WILLIAM W. PATY, Chairperson
Commission on Water Resource Management

Date of Issuance

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

Applicant's Signature: ________________________ Date: __________

Printed Name: ________________________________

Firm or Title: _________________________________

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

cc: USGS
    Department of Health
        Safe Drinking Water Branch
        Ground Water Protection Program
    Hawaii Department of Water Supply
MEMORANDUM

TO: Rae Loui, Deputy for Water Resource Management
Commission on Water Resource Management

FROM: Don Hibbard, Administrator
State Historic Preservation Division

SUBJECT: Chapter 6E Compliance (HRS)--Puukapu Deep Well
(Well No. 6337-01), Waimea
Puukapu, North Kona, Island of Hawaii
TMK: 3-6-3-01:004

HISTORIC PRESERVATION PROGRAM CONCERNS:

Carol Kawachi, our Inter-Agency archaeologist, field checked the project location on June 29, 1992, and identified no significant historic sites in the property. Hence, the subject project will have "no effect" on historic sites.

KS:amk
July 15, 1992

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

Re: Pu‘ukapu Deep Wells Pump Installation Permit

Dear Mr. Paty:

On behalf of Lili‘oukalani Ross, I am writing to urge you to assure firm adherence to the provisions of Act 325 (SLH 1991) in your consideration of the pump installation permit being sought for the Pu‘ukapu Deep Well in your agenda for today. This Act requires the Commission to take special precautions to manage and conserve water resources to assure that native Hawaiian interests in Hawaiian home lands are protected:

...Decisions of the commission on water resource management relating to the planning for, regulation, management, and conservation of water resources in the State shall, to the extent applicable and consistent with other legal requirements and authority, incorporate and protect adequate reserves of water for current and foreseeable development and use of Hawaiian home lands as set forth in section 221 of the Hawaiian Homes Commission Act. HRS § 174C-101(a) (emphasis added).

Similarly, the legislature amended HRS § 171-17 to require that the DLNR make similar provisions in any water projects it initiates:

The department shall assure that adequate water is reserved for future development and use on Hawaiian home lands that could be served by the proposed water project.

Taken together, these provisions explicitly require you to reserve adequate water for homesteaders in Waimea who could be served by the irrigation water being added to the Waimea Irrigation System with the development of the Pu‘ukapu Deep Water Wells. Your consideration of the pump installation permit being sought by the Division of Water and Land Development must account for this statutory requirement. Accordingly, my client urges you to place an explicit restriction on the water pumped from these wells by a state agency, so that the homesteaders in Waimea, especially those who received raw

Nikola. Upright shrub with sticky, tall and straight as a tree without branches. Sharply peaked as mountains. Fig. righteous, correct
land leases, can receive irrigation water as a matter of first priority.

My client also urges you to consider these reservations of water to have first priority amongst all water uses covered by the various plans. This priority is consistent with the interpretation of your attorney general and the congressional intent and scheme of the HHCA. See, Article XII, Sec. 1 and 2, Hawai‘i State Constitution. In addition, Section 171-58(g) requires the Department to consult affected Hawaiian homestead beneficiaries in any future plans for water use on Hawaiian home lands.

We have reviewed the Department of Land and Natural Resource’s submittals concerning Job No. 2-HW-K for improvements to the Pu‘upulehu reservoir, as well as Job No. 48-HW-H, which provides for exploratory well-drilling at Pu‘ukapu mauka. My client hopes that the Department has incorporated the above-mentioned statutory mandates into any plans for future use in the Waimea. If not, I request that the Commission incorporate these provisions and that our office be consulted so that we may contact our clients who are homesteaders and whose rights may be affected in the Pu‘ukapu/Waimea area. I have already alerted the Board of Land and Natural Resources and ask that you coordinate with that body in implementing the provisions of Act 325.

Thank you for your time and consideration in this matter.

Very truly yours,

Paul F. Nahoa Lucas
Staff Attorney

cc: Liliuokalani Ross
    Ethel Andrade
    Sonny Kaniho
    Edward Kalama
    David Martin
    Ka‘imo Muhlestein
Mr. William Paty  
Chair  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809  

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Thank you for your time and consideration in this matter.

Very truly yours,

PAUL F. NAHOA LUCAS
Staff Attorney

f:\(ph\)ross\paty12.jun
cc: Liliuokalani Ross
    Ethel Andrade
    Sonny Kaniho
    Edward Kalama
    David Martin
    Ka'imo Muhlestein
July 15, 1992

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

Re: Pu'ukapu Deep Wells Pump Installation Permit

Dear Mr. Paty:

On behalf of the Hawaiian Home Lands Action Network, we are writing to urge you to assure firm adherence to the provisions of Act 325 (SLH 1991) in your consideration of the pump installation permit being sought for the Pu'ukapu Deep Well in your agenda for today. This Act requires the Commission to take special precautions to manage and conserve water resources to assure that native Hawaiian interests in Hawaiian home lands are protected:

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leases, can receive irrigation water as a matter of first priority.

We have also urged you to assure that provisions be included in each county’s plans to clearly and prominently reflect the quantification of water needed for “current and foreseeable use[s]” of water to support development of Hawaiian home lands. (See, also, § 174C-31 specifying that a like duty applies to the Counties in the development of their water use plans). These needs should include both domestic and irrigation water. See, § 221(c) of the HHCA.

We also urge you to consider these reservations of water to have first priority amongst all water uses covered by the various plans. This priority is consistent with the interpretation of your attorney general and the congressional intent and scheme of the HHCA. See, Article XII, Sec. 1 and 2, Hawai’i State Constitution.

The HHL Action Network is an informal association of various community advocates seeking to promote the prompt settlement of native Hawaiians on Hawaiian home lands. The Network has identified the protection of water rights as a matter of first priority amongst its goals. We look forward to working with you to assure the vigorous protection of these water rights in the preparation and finalization of the various county water plans.

If you have any questions or concerns, please feel free to contact Noelani Joy on Moloka’i at 567-6370.

Ka’imo Muhlestein, Chair

Wilma Noelani Joy, Water Co-chair

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

Dear Mr. Paty:

Well Construction and Pump Installation Permits

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

- Hualalai Exploratory (4258-03)
- Puu Anahulu-RVE (4950-02)
- Puu Waawaa, Puu Lani (4650-01, 4850-01)
- Puukapu Deep Well (6337-01)
- Silversword Wells 1-3 (4426-04, 05, 4526-01)
- Keoneoio-Suda (3625-02)
- Lanai Well 9 (4854-01)
- Lualualei-PVT (2308-03)

The Puukapu Deep Well will directly benefit the Waimea Irrigation System serving Hawaiian home lands, by providing backup supply in periods of low stream flow, and we favor its approval.

The Silversword wells are downslope from Hawaiian home lands at Waiohuli and Keokea (Kula), and will draw from the same groundwater source. The distance between these wells and those that DHHL would drill to explore for domestic water is great enough to suggest that any potential relationship between them would be tenuous. Of course, the characteristics of this aquifer are not well known, and the impacts of these wells is therefore also unknown. This is one area we will eventually need to monitor carefully.
The Lualualei-PVT well may have adverse effects on groundwater needed for Hawaiian home lands. The Department anticipates the substantial development in Nanakuli, and will need to produce additional domestic supply. A reserve of 0.5 Mgd will be required to serve this development.

The other proposed wells are not expected to impact Hawaiian home lands, and we have no comment at this time.

Warmest aloha,

Hoalike I. Drake, Chairman
Hawaiian Homes Commission

HLD: BH: CI/ 1639L. 49
June 17, 1992

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 AND PUMP INSTALLATION PERMIT APPLICATIONS

We have reviewed the subject permit applications and have no objections to the following proposed well constructions and pump installations.

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<tr>
<th>Island</th>
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</table>

/ROBERT K. YANABU, Division Chief
Engineering Division

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

Dear Ms. Loui:  

Subject: PUMP INSTALLATION PERMIT APPLICATION  
PUUKAPU DEEP WELL  
STATE WELL NO. 6337-01  
WAIMEA, HAWAII  

Thank you for the opportunity to review and comment on the subject document. We have examined the application and have the following comments to offer:  

The application indicates that the existing well provides irrigation water for the Waimea Irrigation System. Thus, Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems, will not be applicable. However, in the event that the proposed use of the well were to change, the Safe Drinking Water Branch must be notified.  

If you should have any questions, please contact Stuart Yamada of the Safe Drinking Water Branch at 586-4258.  

Sincerely,  

THOMAS E. ARIZUMI, P.E., Chief  
Environmental Management Division  

SY:la
Mr. Bruce C. McClure  
Chief Engineer  
Department of Public Works  
County of Hawaii  
25 Aupuni Street  
Hilo, Hawaii 96720

Dear Mr. McClure:

**Well Construction and Pump Installation Permit Applications**

Transmitted for your review and comment are copies of the following permit applications:

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Please review the applications pursuant to your area of concern and submit your comments to us, orally or in writing, ten (10) working days from date of this letter.

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

Sincerely,

RAE M. LOUI  
Deputy Director

NF:ky  
Enc.
MEMORANDUM

TO: Mr. Manabu Tagomori, Manager-Chief Engineer
Division of Water and Land Development

FROM: Rae M. Loui

SUBJECT: Well Permit Applications For Puukapu Deep Well (Well No. 6337-01) and Hualalai Exploratory Well (Well No. 4258-03)

We have received your two well permit applications, one for a permit to install a pump in Puukapu Deep Well (Well No. 6337-01) at Waimea, Hawaii and the other to construct Hualalai Exploratory Well (Well No. 4258-03) at North Kona, Hawaii. We have begun the application review process.

Should you have questions, please contact Ed Sakoda of the Regulation Branch at extension 70225.
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

Transmitted for your review and comment are copies of the following permit applications:

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Please review the applications pursuant to your area of concern and submit your comments to us, orally or in writing, ten (10) working days from date of this letter.

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

Sincerely,

RAE M. LOUI  
Deputy Director

NF:ky  
Enc.
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 Applications

Transmitted for your information are copies of recent well permit applications:

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

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director
MEMORANDUM

TO:    Don Hibbard, Director
       Historic Preservation Program

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

SUBJECT: Well Construction and Pump Installation Permit Applications

Transmitted for your review and comment are copies of the following permit applications:

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Please review the applications pursuant to your area of concern and submit your comments to us, orally or in writing, ten (10) working days from date of this memo.

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

Enc.
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

NF:ky
Enc.
Mr. Clayton H. W. Hee  
Chairman & Trustee At Large  
Office of Hawaiian Affairs  
711 Kapiolani Blvd., Suite 500  
Honolulu, Hawaii  96813-5249  

Attn: Ms. Linda Delaney, Land & Natural Resources Division  

Dear Mr. Hee:

Well Construction and Pump Installation Permit Application(s)  

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Please review the application(s) pursuant to your area of concern and submit your comments to us, orally or in writing, ten (10) working days from date of this letter.
Should you have any questions, please contact Rae M. Loui, Deputy Director at 587-0214.

Very truly yours,

WILLIAM W. PATY

Enc.
Honorable Hoaliku L. Drake  
Director  
Department of Hawaiian Home Lands  
State of Hawaii  
P.O. Box 1879  
Honolulu, Hawaii 96805

Dear Mrs. Drake:

Well Construction and Pump Installation Permit Application(s)

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Should you have any questions, please contact Rae M. Loui, Deputy Director at 587-0214.

Very truly yours,

WILLIAM W. PATY

Enc.
APPLICATION FOR: ☐ Well Construction or ☐ Pump Installation PERMIT

Instructions: Please print or type and send completed application with attachments to the Div. of Water Resource Management, P.O. Box 373, 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. (Filing fee waived for government agencies.) If necessary, phone 548-7643, Hydrology/Geology Section for assistance.

1. WELL LOCATION/NAME: Puukapu Deep Well (Well No. 6337-01) Island Hawaii
   Address Waimea, Hawaii
   Tax Map Key 6-3-01-04
   (Attach a USGS map, scale 1"=2000', and a property tax map showing well location referenced to established property boundaries.)

2. (a) WELL OWNER: State of Hawaii
   Firm Name Div. of Water & Land Development
   Contact Person Manabu Tagomori
   Address 1151 Punchbowl St., Room 227 Hon., HI 96813 Ph. 587-0230
   (b) LANDOWNER: State of Hawaii
   Firm Name
   Contact Person
   Address
   Ph.

3. PROPOSED CONTRACTOR:
   Name To be determined
   Contractor's License No.
   Address
   Ph.

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 sys.) ☐ Industrial
   ☐ Irrigation (specify) Waimea Irrigation System ☐ Other (specify)

6. PROPOSED AMOUNT OF WITHDRAWAL: 1.5 million gallons per day

7. PROPOSED PUMP INFORMATION:
   Pump Type:
   ☐ Vertical Turbine ☐ Diesel
   ☐ Submersible ☐ Gas
   ☐ Centrifugal ☐ Electric, at a rated horsepower of 600
   Motor:
   Rated Pump Capacity:
   Gallons per minute 1,000
   Well Owner (print) Manabu Tagomori
   Signature
   Date
   Landowner (print)
   Signature
   Date

For Official Use Only:
   Field Checked By ________________________ Latitude ________________________
   Date ________________________ Hydrologic Unit ________________________
   State Well No. 6337-01
Briefly describe the proposed work:

A 5'x5' concrete pad will be installed at the well surface. A 600-Hp submersible pump with an 11' pump section and 21' motor section will be installed and lubricated with food-grade mineral oil. A 17'x31' shed will be built to house the electrical facility and 70' telephone poles and electrical transmission lines will be installed.

PROPOSED SECTION OF WELL

Elevation at top of casing: 3024.2 ft., msl.

Ground Elevation: 3023.7 ft., msl

Cement Grout: 490 ft.

Solid Casing:
- Material: Steel
- Length: 1290 ft.
- Diameter: 16 in.
- Wall thickness: 0.375 in.

Hole Diameter: 20 in.

Total Depth: 1744 ft.

Rock Packing: 0 ft.

Casing: □ Perforated  □ Screen
- Material: Steel
- Length: 454 ft.
- Diameter: 16 in.
- Wall thickness: 0.375 in.
- Openings: 80 sq. in./L.F.

Open Hole:
- Length: 0
- Diameter: 0 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.
April 27, 1992

TO: Ms. Rae Loui
Commission on Water Resource Management

FROM: Manabu Tagomori


Transmitted for processing are the Pump Installation Permit for the Puukapu Deep Well (Well No. 6337-01) and the Well Construction Permit for the Hualalai Exploratory Well (Well No. 4258-03).

Also attached are the USGS map and property tax map for each well.

Should you have any questions, please contact Mr. Gordon Akita of the Planning Branch at extension 70227.