COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE

FROM: RYAN
DATE: ____________________
TO: ____________________
INIT: ____________________
FOR: ____________________
PLEASE: ____________________

ANAKALEA, P. ___________ LAU, E. ___________ MATHIAS, T. ___________ approval
BAUER, G. ___________ NAKAMA, L. ___________ NAKANO, D. ___________ signature
CHING, F. ___________ OHYE, M. ___________ SAKODA, E. ___________ information
DANBARA, S. ___________ HARDY, R. ___________ HIGA, D. ___________ approval
FUJI, N. ___________ HIGA, D. ___________ ICE, C. ___________ signature
GOODING, K. ___________ ICE, C. ___________ IMATA, R. ___________ information
1 ___________ HIGA, D. ___________ KUNIMURA, I. ___________ approval
SUBIA, S. ___________ SWANSON, S. ___________ YODA, K. ___________ take action
2 ___________ SWANSON, S. ___________ YODA, K. ___________ type draft
3 ___________ YODA, K. ___________ YODA, K. ___________ file
4 ___________ YODA, K. ___________ YODA, K. ___________ xerox
5 ___________ YODA, K. ___________ YODA, K. ___________ copies

WELL NUMBER 5007-01
WELL NAME Kulaimano well

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

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

Comments due 3/31/04
FNSI 3/23/04

FOR OFFICE USE ONLY
FOR OFFICE USE ONLY
May 4, 2004

Ref: 5007-01.wcp

Mr. Milton Pavao
Department of Water Supply
County of Hawaii
345 Kekuanaoa Street, Suite 20
Hilo, HI 96720

Dear Mr. Pavao:

Well Construction Permit
Kulaimano Well (Well No. 5007-01)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for your permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

Special Conditions

1. Attached for your Information is a copy of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (February 2004) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:

"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."
If you qualify and wish to take advantage of this ruling, please include a written request to install the permanent pump prior to final pump installation permit issuance when you return to us your signed well construction permit.

Please sign and have the contractor sign both permit originals and return **one** for our files. Also, copies of the aquifer pump test worksheet and the well completion report form are enclosed for your use.

**IMPORTANT** - Drilling work shall not commence until a fully signed permit is returned to the Commission. Please provide **all** the information in this packet to your well drilling contractor. The permittee, well operator, and/or well owner are responsible for **all** conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Finally, since we pre-routed your application in an effort to help expedite your approval, we are formally recognizing your application as complete on the date of publication of the FONSI, which is March 23, 2004.

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

Enclosures
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 construction and testing of Kulaimano Well (Well No. 5007-01) at Kulaimano, Hawaii, TMK 2-8-4: 001 & 003, subject to the Hawaii Well Construction & Pump Installation Standards (February 2004) which include but are not limited to the following conditions:

1. The Chairperson of 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 authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1¼-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

3. In basal ground water, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the basal ground water unless otherwise authorized by the Chairperson.

4. The permittee, well operator, and/or well owner shall incorporate mitigation measures to prevent construction debris from entering the aquatic environment, to schedule work to avoid periods of high rainfall, and to revegetate any cleared areas as soon as possible.

5. If the well is to be abandoned then the permittee, well operator, and/or well owner must submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

6. 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.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) 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 other data.

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

9. The well construction permit application is incorporated by reference and subject to the Hawaii Well Construction & Pump Installation Standards (February 2004; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission 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 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.

11. 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.

12. 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, assignees, officers, employees, contractors, and agents under this permit relating to or connected with the granting of this permit.

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

Date of Approval: April 24, 2004
Expiration Date: April 24, 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 driller 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 $1000 per day starting from the permit date of approval.

Permittee's Signature: _____________________________ Date: ______________
Printed Name: _____________________________ Firm or Title: _____________________________

Driller's Signature: _____________________________ C-57 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.

Attachment

USGS
Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
### Well Check Program

4/1/04 - Revised for update to Well Standards (February 2004)

#### Data Input

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<tr>
<td><strong>Well Number</strong></td>
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<tr>
<td><strong>Well Name</strong></td>
<td>Kulaimano Well</td>
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<td><strong>Ground Elevation</strong></td>
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#### Results

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**Commission on Water Resource Management**

**Route Slip for New Applications**

**From:** RYAN

**Date:** 30-Dec-03  
**Suspend Date:** 6-Jan-04

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<td>BAUER, G.</td>
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<td>CHING, F.</td>
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<td>4 NAKANO, D.</td>
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<td>OHYE, M.</td>
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<td>KUNIMURA, I.</td>
<td></td>
<td>YODA, K.</td>
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**WELL NUMBER**: 5007-01  
**WELL NAME**: Kulaimano  
**DATE**: 30-Dec-03

**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

**NOTE:** parcel 1 is privately owned.

**FOLDER:**  
- [x] MADE NEW FILE FOLDER, ATTACHED  
- [ ] FILE FOLDER ALREADY MADE, IN FILE CABINET

**INCOMPLETE ACTION DATES:**

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<td>well, pump, or both?</td>
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 221
HONOLULU, HAWAII 96809

February 26, 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: Well Construction/Pump Installation Permit Application
Kulaimano Well (Well No. 5007-01)

Transmitted for your review and comment is a copy of the captioned Well Construction/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 March 31, 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.

RI:ss
Attachment(s)

RESPONSE:

\[ \checkmark \]
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 25, Rules Relating to Potable Water Systems, §11-20-26.

[ ] 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 16 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 preventers, 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: 586-4258
Signed: Bill Wong
Date: MAR 3 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 Kawatoka, Hazardous Evaluation and Emergency Response
   Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction/Pump Installation Permit Application
   Kulaimano Well (Well No. 5007(1))

Transmitted for your review and comment is a copy of the captioned Well Construction/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 March 31, 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.

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 (VAR) 196-11, Chapter 20, Rules Relating to Potable Water Systems, §11-30-29.

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 feel 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 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
Date: 3/5/04

Signed: Alec Wong

February 26, 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
TO: Dede Mamiya, Administrator  
Land Division  

FROM: Ernest Y.W. Lau, Deputy Director  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation Permit Application  
Kulaimano Well (Well No. 5007-01)  

Transmitted for your review and comment is a copy of the captioned Well Construction/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 March 31, 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.

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 No. 8559-B issued between 1845 and 1855.

Contact Person: Gary Martin  
Phone: 585-0421

Signed: Gary Martin  
Date: MAR - 5 2004
STATE MESSENGER DELIVERY

Date: March 5, 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 Inama

Subject: Well No. 5007-01 Kulaimano well

Well No. ____________________________

STATE MESSENGER DELIVERY
February 26, 2004

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

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

SUBJECT: Well Construction/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.

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.

An NPDES permit is required.

An NPDES permit is required.

No comments/objections

Contact Person: LORI N KAJIWARA
Phone: 808-442-94
Date: 3-5-2004
February 26, 2004

Mr. Milton Pavao, Manager
Department of Water Supply
County of Hawaii
345 Kekuanaoa Street, Room 20
Hilo, HI 96720

Dear Mr. Pavao:

Well Construction/Pump Installation Permit Application for Well No. 5007-01

We have received your Well Construction/Pump Installation permit application and filing fee for the Kulaimano Well (Well No. 5007-01). However, we understand that an environmental review under Chapter 343, HRS is required. We understand that you have filed a draft EA with the Office of Environmental Quality Control (OEQC), but we require publication of the final EA before we can accept your application as complete. Based on a phone conversation between Ryan Imata of Commission staff and Steve Bowles of Waimea Water Services, we understand that the Final EA will be published in the March 12, 2004 Environmental Notice.

Therefore, we will not accept your Well Construction Permit application as complete until the publication date. However, in an effort to expedite your application, we will route your application for comments, in anticipation of receipt of the comments after the March 12, 2004 publication.

Further, our understanding of the Chapter 343 process is that a separate environmental review is required for your pump installation. Therefore, before we can process your Pump Installation Permit application, you will need to address Chapter 343 concerns in a similar manner.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.
Finally, you have indicated that the well will be constructed on Parcels (3) 2-8-004: 1 & 3. While parcel 3 is owned by the County and we can accept the application with the signature of the County, parcel 1 is owned by a private entity, Richard and June Ha. Please clarify the construction of the well over these two parcels, and if necessary, please obtain the signature of the other landowner on the application form.

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), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70255.

Sincerely,

ERNESTY.W. LAU
Deputy Director

RI:ss

c: Waimea Water Services
February 26, 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: Well Construction/Pump Installation Permit Application  
Kulaimano Well (Well No. 5007-01)

Transmitted for your review and comment is a copy of the captioned Well Construction/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 March 31, 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.

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 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: __________
February 26, 2004

TO: Dede Mamiya, Administrator
Land Division

FROM: Ernest Y.W. Lau, Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Kulaimano Well (Well No. 5007-01)

Transmitted for your review and comment is a copy of the captioned Well
Construction/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 March 31, 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.

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: ____________
February 26, 2004

TO: Holly McEldowney, Acting Administrator
    Historic Preservation

FROM: Ernest Y.W. Lau, Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
         Kulaimano Well (Well No. 5007-01)

Transmitted for your review and comment is a copy of the captioned Well
Construction/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 March 31, 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.

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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<th>Subdiv/Condo</th>
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<th>Baths</th>
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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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<td>COUNTY OF HAWAII</td>
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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 | | | | | $125.00 |

REMARKS: LINE (1) Kaupo Ranch Wells
LINE (2) Piiholo Well, TMK 2-4-12:6
LINE (3) Kulaimano Well Development, TMK 2-8-04-1 & 3
LINE (4) Lydgate 1 Well, TMK 4-6-12:17
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
December 22, 2003

CERTIFIED MAIL
DELIVERY CONFIRMATION
RETURN RECEIPT REQUESTED

Earnest Lau
Deputy Director
Commission on Water Resource Management
Department of Land & Natural Resources
PO Box 621
Honolulu, HI 96809

SUBJECT: Well Construction Permit Application
Kulaimano Well Development
TMK: (3)-2-8-04-1 & 3

Dear Linnel:

Please find enclosed the Well Construction Permit Application for Kulaimano Well Development Project, Hawaii County Dept of Water Supply, along with exhibits. Also, enclosed is a filing fee of $25.00 to expedite processing.

We would like to request a copy of your letter acknowledging receipt of this submittal sent to us for our files. If you have any questions, please call me at (808) 885-5941.

Mahalo,

[Signature]

Stephen P. Bowles

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

APPLICATION FOR PERMIT

☐ 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 831, Honolulu, Hawaii 96809. Application must be accompanied by 5 copies and 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. For further information and updates to this application form, visit http://www.state.hi.us/dlnr/cwrm.

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

1. (a) ☐ WELL OWNER: County of Hawaii Contact Person: Milton Paro Phone: 808-961-8050 Mailing Address: 345 Kekuanaoa St., Suite 20, Hilo, HI 96720 Fax: 808-961-8668 E-mail:
(b) ☐ LAND OWNER: "Same as Above" Contact Person: Phone: Mailing Address: Fax: E-mail:
(c) ☐ CONTRACTOR: To be Determined Contact Person: Phone: Mailing Address: 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: Kulaimano Well Development Island: Hawaii Address Clean Map Key: (3) 2 - 8 - 04 : 1 & 3

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 ☐ Install New Pump*
☐ Modify Existing Well* ☐ Modify Pump*
☐ Abandon/Seal

*State Well No: ___________________ (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: 700 gallons per minute

6. PROPOSED USE: ☐ Municipal (including hotels, stores, etc.) ☐ Domestic (individual, noncommercial water system)
☐ Industrial No. of Acres:
☐ Irrigation (crop) ☐ Other (explain):

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 1 mgd gallons per day
(b) METHOD OF FLOW MEASUREMENT: ☐ Flowmeter ☐ Open-pipe ☐ Weir ☐ Orifice ☐ Other (explain):

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: ☐ 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

☐ 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

☐ Required, if required, date published in OEQC bulletin 12-23-2003 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 270-7255; on Kauai, call 241-6977.

☐ Required, if required, date approved __________

9. ARCHEOLOGICAL REQUIREMENTS: ☐ Required, if required, please attach letter from DLNR Historic Preservation

To find out if an archeological work is required: on Oahu, call Elaine Jouland at 682-8207; 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.

☐ Required, if required, date approved __________

10. REMARKS, EXPLANATIONS:

(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 up to $100/day.

County of Hawaii
Well Owner: __________________ (print legibly)
Signature: __________________ Date: 12/17/2003

Landowner: __________________
Contractor: __________________
Signature: __________________ Date: 12/17/2003

State of Hawaii
Applicant: __________________ (print legibly)
Signature: __________________ Date:

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

WCPPA Form 7/17/03
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Elevation at top of casing \( 8.33 \) ft., mal

Minimum of 2" radius & 4" thick concrete pad (to contain benchmark surveyed to nearest 0.01 ft.)

Ground Elevation \( 8.32 \) ft., mal

Solid Casing: \( \geq 90\% \times (\text{Ground Elev.} - \text{Water Level Elev.}) \)

- Total Length: \( 8.52 \) ft.
- Nominal Diameter: \( 1.6 \) in.
- Wall Thickness: \( 3.75 \) in.
- Bottom Elevation: \( -20 \) ft., mal

Open Casing: \( \Box \) Perforated \( \Box \) Screen

- Total Length: \( \) ft.
- Nominal Diameter: \( \) in.
- Wall Thickness: \( \) in.
- Bottom Elevation: \( \) ft., mal

Open Hole:

- Length: \( 13 \) in.
- Diameter: \( 30 \) in.
- Bottom Elevation: \( 50 \) ft., mal

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

Example: Estimated + 2 ft. Water Level Elev. \( \rightarrow \) Bottom Elevation of Well Limit \( = \left( \text{Water Elevation} - \frac{41 \times \text{Water Level Elev.}}{4} \right) = -18.5 \) ft.

Solid Casing Material:

- Carbon Steel: compliant with (check one or more): \( \Box \) ANSI/WWA C200 \( \Box \) API Spec. 5L \( \Box \) ASTM A53 \( \Box \) ASTM A139
- Stainless Steel: (check one): \( \Box \) ASTM A409 (production wells) \( \Box \) ASTM A312 (monitor wells)
- PVC Plastic conforming to ASTM F480 and ASTM D1527: (check one) \( \Box \) Schedule 40 \( \Box \) Schedule 80
- Thermoset Plastic: (check one)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

- Carbon Steel: compliant with (check one or more): \( \Box \) ANSI/WWA C200 \( \Box \) API Spec. 5L \( \Box \) ASTM A53 \( \Box \) ASTM A139
- Stainless Steel: (check one): \( \Box \) ASTM A409 (production wells) \( \Box \) ASTM A312 (monitor wells)
- PVC Plastic conforming to ASTM F480 and ASTM D1785 or ASTM D2241: (check one) \( \Box \) Schedule 40 \( \Box \) Schedule 80 \( \Box \) Schedule 120
- Thermoset Plastic: (check one)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296