**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR PERMIT ISSUANCE**

**FROM:** RYAN BAUER, G.

**DATE:**

**TO:**

**INIT.**

**TO:**

**INIT.**

**FOR:**

**PLEASE:**

1. See Me

   - Review & Comment

2. Take Action

   - Type Draft

3. Information

   - Type Final

4. Approval

   - File

   - Xerox copies

---

**WELL NUMBER** 38302-07

**WELL NAME** (laka well)

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. COMMENTS: Due Date
4. SDWB Date
5. WWB Date
6. HEER Date
7. LD Date
8. HP Date
9. PUMP TEST
10. WCR I FORM
11. WELL CHECK PRINTOUT

**FOR OFFICE USE ONLY**

---

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**

1. COVER LETTER
2. PERMIT (2x)
3. COMMENTS: Due Date
4. SDWB Date
5. WWB Date
6. HEER Date
7. LD Date
8. HP Date
9. WCR II FORM
10. WUR FORM
11. GLENNY'S WORKSHEET

---

app k0b = 1/3/05

no spec. cont.

---
January 6, 2005

Ref: 3802-07.wcp

Mr. Ru Lin Xiu
P.O. Box 1270
Pahoa, HI 96778

Dear Mr. Xiu:

Well Construction Permit
Laka Well (Well No. 3802-07)

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 $5000 per day for any violations of your permit conditions starting from the permit approval date.

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,

Peter T. Young
Chairperson

Enclosures

c: Fred Page
WELL CONSTRUCTION PERMIT
Laka Well, Well No. 3802-07

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

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Laka Well (Well No. 3802-07) at Lot 1092-G, Hawaii, TMK 1-6-141: 012, 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 821, 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 11/4-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. In the event that subsurface cultural remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee, well operator, and/or well owner shall stop work and contact the Department's Historic Preservation immediately.

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 into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 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, assigns, officers, employees, contractors, and agents under this permit or 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: January 3, 2005
Expiration Date: January 3, 2007

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 $5000 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
C:
USGS
Department of Health’s Safe Drinking Water, Wastewater, and Clean Water Branches
Hawaii Department of Water Supply
Fred Page
# Well Check Program
4/1/04 - Revised for update to Well Standards (February 2004)

## Data Input

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<td>Well Name</td>
<td>Laka</td>
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<tr>
<td>Solid Casing Wall Thickness</td>
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<td>Open Casing Length</td>
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## Results

### Well Depth

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<th>Theoretical Thickness of Aquifer</th>
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<tbody>
<tr>
<td>1/4 Aquifer Thickness</td>
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</tbody>
</table>

### Depth of Well below Sea Level

-30 okay  | Section 2.2

### Well Casing

- Minimum Wall Thickness
  - Material: steel
  - Minimum Thickness per standards: #N/A

- Wall Thickness Provided: 0.25 #N/A | Section 2.4(c)
- Minimum Length of Solid Casing
- 90% of ground to top of aquifer: 0
- Length of solid casing provided: 330 okay | Section 2.4(c)
- Casing Material: ASTM A53
  - In compliance | Section 2.4(d)
- (for pvc only - check for 200' limit)
  - Okay | Section 2.4(d)

### Annular Space

- Depth of Grouting: 0
- Depth of Grouting provided: 240 okay | Section 2.6(c)
- Minimum Annular Space required: 2
- Thickness of Annular Space: 2 okay | Section 2.6(d)
In reply, please refer to:

EMD / WB

Wastewater Branch
919 Ala Moana Blvd. Room 309
Honolulu, Hawaii 96814-4920
Phone (808) 586-4294 Fax (808) 586-4300

STATE MESSENGER DELIVERY

Date: 11-29-04

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

Attn: Ryan Imata (boy, you busy)

From: Lori Kajiwara
Planning & Design Section
Email: Lkajiwara@eha.health.state.hi.us
Ph 586-4290 direct line
Fax 586-4300
watercommission@wpd.sam

Subject: Well Construction/Pump Installation Permit/Water Use Permit for
Well No.5: 1692-02 / 3388-01 / 3558-01 / 3566-05
3687-10 / 3786-01 / 3502-00 / 4707-01 / 4755-01

Please find enclosed the application of the above subject project.

STATE MESSENGER DELIVERY
November 22, 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  
Laka (Well No. 3802-07)

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 January 3, 2005. 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.

[ ] 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 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 [] 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 NO RECORDS.

Contact Person: Lori Kajiwara  
Phone: 586-4594
Signed:  
Date: 11-29-04
November 22, 2004

TO: Dede Mamiya, Administrator
    Land Division

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

SUBJECT: Well Construction/Pump Installation Permit Application
          Laka (Well No. 3802-07)

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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.

RI: ss
Attachment(s)

RESPONSE:

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

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

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

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

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

[ ] No objections

[ X] Other comments: Original source of private title is Land Commission Award No. 2327 issued between 1845 and 1855.

Contact Person: Gary Martin
Phone: 587-0421

Signed: Gary Martin
Date: DEC 2 2 2004
November 22, 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

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   Commission on Water Resource Management

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Rlss
Attachment(s)

RESPONSE:

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

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

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[ ] For the applicant's information, a source of possible wastewater contamination [ ] is [ ] 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: [Signature] Phone: 586-4258

Signed: [Signature] Date: NOV 26 2004
November 22, 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
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R: ss
Attachment(s)

RESPONSE:

[ ] This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year 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, §§11-26.

[ ] 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 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before installing such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

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

[ ] An NPDES permit is required.

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

No comments/objections

Contact Person: Alec Wong
Phone: 586-0530
Date: 11/29/04

Signed: Alec Wong
The Department of Health, Clean Water Branch has the following comments:

1. **For Well-Drilling Activities**

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

2. **For Well Pump Testing**

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

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

**FROM:** RYAN  **DATE:** 17-Nov-04  **SUSPENSE DATE:** 24-Nov-04

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**WELL NUMBER:** 3802-07  **WELL NAME:** Laka

- [ ] WELL CONSTRUCTION
- [ ] PUMP INSTALLATION
- [x] BOTH

**ATTACHMENTS FOR APPLICATION PROCESSING** - Both applicant & staff generated

1. TRAN. LETTER
2. CWRM MAP
3. APPL. FORM (5 COPIES)
4. USGS MAPS (5 COPIES)
5. TAX MAPS (5 COPIES)
6. PARCEL OWNER VERIF.
7. CONTRACTOR VERIF.
8. ALL INFO FILLED IN
9. BACKGROUND CHECK
10. $25 FEE DEPOSIT SLIP
11. DHP & SMA check

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

**INCOMPLETE ACTION DATES:**

<table>
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<tr>
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<th>ACTION</th>
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**Yellow marks addressed?**

- [ ] worker
- [ ] area

- [H-60]
- [H-10]
Mr. Ru Lin Xiu  
P.O. Box 1270  
Pahoa, HI 96778

Dear Mr. Xiu:

Well Construction/Pump Installation Permit Application for Well No. 3802-07

We acknowledge receipt, on November 15, 2004, of your completed Well Construction/Pump Installation permit application and filing fee for the Laka (Well No. 3802-07). You can expect your application to be processed within ninety (90) days from this date.

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.

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,

YVONNE Y. IZU  
Deputy Director

RI:ss
November 22, 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 
Laka (Well No. 3802-07)

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 January 3, 2005. 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 for at least 60 days per year or 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.

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

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

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

[ ] An NPDES permit is required.

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

[ ] No comments/objections

Contact Person: ____________________________ Phone: __________

Signed: ____________________________ Date: ____________________________
November 22, 2004

TO: Dede Mamiya, Administrator
    Land Division

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

SUBJECT: Well Construction/Pump Installation Permit Application
         Laka (Well No. 3802-07)

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 January 3, 2005. 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.

R: ss
Attachment(s)

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

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

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

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ______________________ Phone: ______________

Signed: ___________________________ Date: ______________

Attachment(s)
November 22, 2004

TO: Melanie Chinen, Administrator
Historic Preservation

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

SUBJECT: Well Construction/Pump Installation Permit Application
Laka (Well No. 3802-07)

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 January 3, 2005. 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: _____________

Attachment(s)
LICENSE CLASS SCREEN

Please click a link listed below to display the other screen.

There was 1 specific license class on this licensee!

***** LICENSE CLASS FOR THIS LICENSEE *****
LIC: CT-16653  FRED PAGE DRILLING INTERNATIONAL INC
CLASS CODE      CLASS TYPE      EFFECTIVE      RESTRICTED      STATUS
C57            WELL            04/25/91

<-Back    New Search->

EMPLOYEES LIST|| EMPLOYERS LIST || INSURANCE/BOND|| LICENSE CLASS

Copyright 2002 Professional and Vocational Licensing
Division

Hawaii State homepage || DCCA|| Professional and Vocational Licensing Division

http://www.ehawaiigov.org/serv/pvl?f=n&a=LC&licno=16653&lictp=CT&off=0&nm... 11/18/2004
### PUBLIC RECORD DATA

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REMARKS:  
LINE (1) Parker 3 & 4 Well  
LINE (2) Kaupulehu Potable Well No. 6  
LINE (3) Mika #1, tmk: 1-5-32:52  
LINE (4) Laka Well, tmk: 1-6-141:012  
LINE (5)  
LINE (6)  
LINE (7)  
LINE (8)  
LINE (9)  
LINE (10)
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

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 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/wwrm.

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

1. (a) MAIL OWNER: Ruilin Xiu
    Mailing Address: P.O. Box 1270, Pahoa, HI 96778
    Fax: 808-965-6339
    Contact Person: Ruilin Xiu
    Phone: 808-965-6533
    E-mail: ruilin@pharceast.com

2. LAND OWNER: Ruilin Xiu
    Mailing Address: P.O. Box 1270, Pahoa, HI 96778
    Fax: 808-965-6339
    Contact Person: Ruilin Xiu
    Phone: 808-965-6533
    E-mail: ruilin@pharceast.com

3. CONTRACTER: Fred Page Drilling Int'l
    Mailing Address: P.O. Box 1434 Pahoa HI 96778
    Fax: (808)965-5339
    Contact Person: Fred Page
    Phone: (808)965-5339

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

2. WELL NAME: LAKA
   Island: Hawaii
   Address Lot 102-G, Keaau, HI
   Tax Map Key: (3) 1 - 6 - 141 - 012
   Zone Sec Plat Parcel
   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quadr map (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK:
   (check all that apply)
   - Construct New Well
   - Modify Existing Well
   - Abandon/Seal
   - Install New Pump

4. CONSTRUCTION:
   - Drilled
   - Dug
   - Shaft
   - Tunnel

5. PROPOSED PUMPING RATE:
   60 gallons per minute

6. PROPOSED USE:
   (check all that apply)
   - Municipal (including hotels, stores, etc.)
   - Industrial
   - Domestic (individual, noncommercial water system)
   - Military
   - Other (explain)

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   1000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   - Flowmeter
   - Open-pipe
   - Weir
   - Orifice
   - Other

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
   - Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   - Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OEC at 586-4185
   - Special Management Area Permit (SMAP) To determine if an SMAP is necessary, call 527-5374 on Oahu; 961-0418 for Maui; 270-7235; on Kauai, call 241-6577
   - State Well Construction and/or Abandonment Permit To determine if a State Well Construction and/or Abandonment report is necessary, call 587-0225 or visit http://www.state.hi.us/dlnr/cwrm.

9. 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 of up to $1000/day.

Well Owner Ruilin Xiu (print legibly)
Landowner Ruilin Xiu (print legibly)
Contractor Fred Page Drilling International Inc. (print legibly)
Signature Ruilin Xiu
Signature Ruilin Xiu
Signature Fred Page
Date 10/08/04
Date 10/08/04
Date 10/08/04

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

Latitude 20-204000,080
Longitude 156-19400000
Page 1 of 3
10. PROPOSED WELL SECTION

For Solid Carbon Stainless Steel:
At the time of application referenced to a benchmark which has been licensed
Thermoset ABS Plastic
PVC Thermoset Plastic:
The approximate non-salt submitted in the Well Completion Mitigation: ballast removal
And Plastic
And Casing Steel: compliant

Example: Estimated by the

State.

- 0'--- _____ _
- (check one)
- with

0'_--- _____ _
- (check one or more):

of distance from

Elevation:

Well Completion (in ft.)

Water Level Elev.

Bottom Elevation:

Grout: 240 ft.
(min. 70% of distance from
ground elevation to top of
water surface or 500 ft.,
whichever is less)

Annular space between
hole and casing (min 3"):
2 in.

Rock or Gravel Packing:
35 ft.
Material:
□ Crushed Basalt
□ Rounded Gravel

Estimated Water Level
Elevation:
300 ft., msl*

Solid Casing: (x: 90% x (Ground Level - Water Level Elev))
Total Length: 330 ft.
Nominal Diameter: 6 in.
Wall Thickness: 2.50 in.
Bottom Elevation: 300 ft., msl*

Open Casing: □ Perforated □ Screen
Total Length: 20 ft.
Nominal Diameter: 6 in.
Wall Thickness: 2.50 in.
Bottom Elevation: 330 ft., msl*

- note: Neither bentonite nor mud should be used in
saturated zone during drilling

Open Hole:
Length: __________________ ft.
Diameter: __________________ in.
Bottom Elevation: __________________ ft., msl*

* 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 Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Elevation - 41 x Water Level Elev) / 4
Example: Estimated Water Level Elev. - Bottom Elevation of Well Limit = (2, 41 x 2 = 82) / 4 = 18.5 ft

Solid Casing Material:
Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
Stainless Steel: (check one):
□ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
□ Schedule 40 □ Schedule 80
PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)
□ Schedule 40 □ Schedule 80 □ 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

Open Casing Material:
Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
Stainless Steel: (check one):
□ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
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