**Commission on Water Resource Management**

**Route Slip for Permit Issuance**

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

**Date:**

| TO: | MATHIAS, T. |
| | NAKAMA, L. |
| | NAKANO, D. |
| | OHYE, M. |
| | OSAKA, E. |
| | STAHI, K. |
| | SUBIA, S. |
| | SWANSON, S. |
| | UYENO, D. |
| | YODA, K. |
| | YOSHINOAGA, M. |

**Suspense Date:**

| FOR: | 3 Approval |
| | 3 Signature |
| | 4 Information |

**WELL NUMBER:** 3487-15

**WELL NAME:** Greenlaw

**WELL CONSTRUCTION**

**Attachments for WELL Construction Permit:**

- [ ] COVER LETTER
- [ ] PERMIT (2x)
- [ ] COMMENTS:
- [ ] SDWB
- [ ] WWB
- [ ] CBW
- [ ] HEER
- [ ] LD
- [ ] HP
- [ ] PUMP TEST
- [ ] WCR I FORM
- [ ] WELL CHECK PRINTOUT

**TO BE SENT TO APPLICANT**

- [ ] SDWB
- [ ] WWB
- [ ] CBW
- [ ] HEER

**For Office Use Only**

**PUMP INSTALLATION**

**Attachments for PUMP Installation Permit:**

- [ ] COVER LETTER
- [ ] PERMIT (2x)
- [ ] COMMENTS:
- [ ] SDWB
- [ ] WWB
- [ ] CBW
- [ ] HEER
- [ ] LD
- [ ] HP
- [ ] WCR II FORM
- [ ] WUR FORM

**TO BE SENT TO APPLICANT**

- [ ] SDWB
- [ ] WWB
- [ ] CBW
- [ ] HEER

**For Office Use Only**

**Glenn's Worksheet**
September 23, 2004

Ref: 3687-15.wcp

Mr. Daniel Greenlaw
P.O. Box 2195
Pahoa, HI 96778

Dear Mr. Greenlaw:

Well Construction Permit
Greenlaw 2 Well (Well No. 3687-15)

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
CONSTRUCTION PERMIT

Greenlaw 2 Well, Well No. 3687-15

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 Greenlaw 2 Well (Well No. 3687-15) at 15-945 Paradise Ala Kai Drive, Hawaii, TMK 1-5-57: 080, 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 521, 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 §13-166-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1/2-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 Unit 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; masl) 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; HWCPS). If the HWCPS 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 after 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 §13-150-12(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: August 27, 2004
Expiration Date: August 27, 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 $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:

Fred Page

Department of Health's Safe Drinking Water, Wastewater, and Clean Water Branches
Hawaii Department of Water Supply

UOGS
## Well Check Program

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

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<tr>
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<td>Greenlaw 2</td>
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<td>Ground Elevation</td>
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<tr>
<td>Cement Grout</td>
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<tr>
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<td>Hole Diameter</td>
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<tr>
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<td>Solid Casing Diameter</td>
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<tr>
<td>Solid Casing Wall Thickness</td>
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<tr>
<td>Open Casing Length</td>
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</table>

### Results

**Well Depth**

- Theoretical Thickness of Aquifer: 62
- 1/4 Aquifer Thickness: 20.5
- Depth of Well Below Sea Level: 5, okay, Section 2.2

**Well Casing**

- Minimum Wall Thickness
  - Material: steel
  - Minimum Thickness per standards: #N/A
  - Wall Thickness Provided: 0.25
- Minimum Length of Solid Casing
  - Length of solid casing Provided: 25, 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
  - Calculated Depth of Grouting: 16.1
  - Depth of Grouting provided: 23, okay, Section 2.6(c)
- Minimum Annular Space required: 2
- Thickness of Annular Space: 2, okay, Section 2.6(d)
July 19, 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 
         Greenlaw 2 Well (Well No. 3687-15)

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 August 27, 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. ________________________.

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

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

- [ ] No objections

- [x] Other comments: **Original source of private title was issued prior to statehood.**

Contact Person: Gary Martin
Phone: 587-0421

Signed: Gary Martin
Date: AUG 27 2004
July 19, 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
         Greenlaw 2 Well (Well No. 3687-15)

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 August 27, 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 will receive Director of Health approval subject to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20.28.

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 seek 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.

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

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

For the applicant's information, a source of possible wastewater contamination is located near the proposed well site (information attached).

An NPDES permit is required.

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

No comments/objections.

Contact Person: Bill Wong

Signed: Bill Wong

Phone: 586-4258

Date: Jul 23 2004
July 19, 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 
Greenlaw 2 Well (Well No. 3687-15)

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 August 27, 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, §§11-15-20.

[ ] 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 allowing 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.

[ ] 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 (e.g., septic tank) 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: 586-4329 
Date: 7/12/2004
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

---

<table>
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<tr>
<th>Post-It Fax Note 7671</th>
<th>Date 12/18/02</th>
<th>Ryan Imeza</th>
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<tr>
<td>From: Ken Inouye</td>
<td>Co. Post/Cub</td>
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<tr>
<td>Phone: 586-0255</td>
<td>Phone: 586-4309</td>
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<tr>
<td>Fax: 581-0219</td>
<td>Fax: 586-4352</td>
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July 19, 2004

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

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

SUBJECT: Well Construction/Pump Installation Permit Application
         Greenlaw 2 Well (Well No. 3687-15)

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 August 27, 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:

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 bacteria and chemical presence before initiating such use and routinely monitor the water quality thereafter. However, if future plans indicate that the 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: Len N. Kajiwara
Phone: 586-4294

Signed: Len N. Kajiwara
Date: 7-27-2004
A septic tank file has been found and the following information is provided. In general, the Department of Health has reviewed and approved of the plans based on the information submitted as verification that a treatment individual wastewater system (IWS) such as a septic tank was constructed and authorized to be used for wastewater disposal from a building/dwelling.

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<thead>
<tr>
<th>Tax Map Key number</th>
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<tr>
<td>Address</td>
<td>HPP</td>
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<tr>
<td>Septic Tank File #</td>
<td>5313</td>
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<tr>
<td>Applicant Name</td>
<td>Daniel Greenlaw</td>
</tr>
</tbody>
</table>

Submit Plan Date: 3-05-2004
Plan Approval Date: 3-20-2004
Inspection Date:  
System Approved for Use Date: 6-17-2004
BPA Date:  

System / Disposal Via: Septic tank/Bed
Use For: 4 Bedrooms
Designed By: Niel
Percolation Rate / Capacity: 1 min/in, 1000 gallons

Wastewater Branch Engineer PD Section (Oahu)  

For further information, you may also call the Wastewater Branch neighbor island engineers:

- Mr. Dane Hiromasa at the Kealakekua Health Center, Kona at (808)0322-1507
- Mr. Jerry Nunogawa at the Hawaii District Health Office, Hilo at (808)933-0401
- Mr. Joe Tateyama at the Kauai District Health Office at (808)241-3323
- Mr. Roland Tejano at the Maui District Health Office at (808)984-8232
FROM: RYAN BAUER, G. CHING, F. FUJII, N. NAOMISSION ON WATER RESOURCE MANAGEMENT

ROUTE SLIP FOR NEW APPLICATIONS

DATE: 30-Jun-04 SUSPENSE DATE: 7-Jul-04


PLEASE: See Me Approval 1 Review & Comment Signature 1 Take Action Information 3 Type Draft acknowledge label file folder 1

-Type Final w/elec. signat., label file folder

-File

-Xerox copies

WELL NUMBER: 3686-02 WELL NAME: Greenlaw 2

WELL CONSTRUCTION PUMP INSTALLATION BOTH

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated

1. TRANS. LETTER 2. CWRM MAP 3. APPL. FORM (SCOPES) 4. USGS MAPS (5 COPIES) 5. TAX MAPS (5 COPIES) 6. PARCEL OWNER VERIFIER MLS PRINTOUT 7. CONTRACTOR VERIF. DCCA LICENSE SCREEN PRINTOUT 8. ALL INFO FILLED IN 9. BACKGROUND CHECK 10. $25 FEE DEPOSIT SLIP 11. DHP, SMA, EA check

SEE SEPARATE ATTACHMENT

RE: Fred Page deficiencies

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

INCOMPLETE ACTION DATES:

DATE ACTION

what happened with 3686-02, greenlaw's first well - never accepted WCR1?

- yellow marks on well check.
Mr. Daniel Greenlaw  
P.O. Box 2195  
Pahoa, HI 96778

Dear Mr. Greenlaw:

Well Construction/Pump Installation Permit Application for Well No. 3687-15

We acknowledge receipt, on June 30, 2004, of your completed Well Construction/Pump Installation permit application and filing fee for the Greenlaw 2 Well (Well No. 3687-15). 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

c: Fred Page
July 19, 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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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 August 27, 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.

[ ] 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: _____________
TO: Dede Mamiya, Administrator  
Land Division  

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

SUBJECT: Well Construction/Pump Installation Permit Application  
Greenlaw 2 Well (Well No. 3687-15)  

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 August 27, 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: __________________________
TO: Holly McEldowney, Acting Administrator  
Historic Preservation  
FROM: Yvonne Y. Izu, Deputy Director  Commission on Water Resource Management  
SUBJECT: Well Construction/Pump Installation Permit Application  
Greenlaw 2 Well (Well No. 3857-15)  

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 August 27, 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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LICENSE SCREEN

[ Look up License Type Codes-> ]
Please click a link listed below to display the other screen.

***** GENERAL LICENSEE *****

LIC ID: CT-16653
NAME: FRED PAGE DRILLING INTERNATIONAL INC
ACTIVE/inactive: ACTIVE
TRADE NAME:
STATUS: CURRENT, VALID & IN GOOD STANDING
ENTITY: CORPORATION
ORIG LIC DATE: 4/25/91
CLASS PREFIX: C
RESTRICTION:
BUSINESS ADDR: 15-3105 HALELO PL PAHOA HI 96778
MAILING ADDR: P O BOX 1434 PAHOA HI 96778

Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808)587-3295.

<-Back  New Search->

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

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Hawaii State homepage  ||  DCCA  ||  Professional and Vocational Licensing Division
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**TOTAL**  $ 75.00

**REMARKS:**
- LINE (1) Camp Well, tmk: 1-5-054:018
- LINE (2) BB Well A, tmk: 1-5-059:043
- LINE (3) Greenlaw II Well, tmk: 1-5-57:80
- LINE (4)
- 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  

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

1. (a) [ ] WELL OWNER: DANIEL GREENLAW  
   Contact Person: DANIEL GREENLAW  
   Phone: (808) 670-0050  
   Mailing Address: P.O. Box 2195  
   Pahoa, HI 96776  

(b) [ ] LAND OWNER: DANIEL GREENLAW  
   Contact Person: DANIEL GREENLAW  
   Phone: (808) 670-0050  
   Mailing Address: P.O. Box 2195  
   Pahoa, HI 96776  

(c) [ ] CONTRACTOR: Fred Page Drilling Int  
   Contact Person: Fred Page  
   Phone: (808) 965-5339  
   Mailing Address: P.O. Box 1434  
   Pahoa, HI 96778  

2. WELL NAME: GREENLAW TWO  
   Island: Hawaii  
   Address 15-945 Panaioa Alc (K): Dr  
   Tax Map Key: (1) 1 5 57 80  
   Attach: (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map  
   (b) a property tax map, showing well location referenced to established property boundaries  

3. PROPOSED WORK:  
   (check all that apply)  
   [ ] Construct New Well  
   [ ] Install New Pump*  
   [ ] Modify Existing Well*  
   [ ] Modify Pump*  
   [ ] Abandon/Seal*  
   *State Well No.: (if unknown, please call Commission at 587-0226)  

4. CONSTRUCTION:  
   [ ] Drilled  
   [ ] Dig  
   [ ] Shaft  
   [ ] Tunnel  
   Is this well part of a battery of wells?  
   [ ] Yes  
   [ ] No  

5. PROPOSED PUMPING RATE:  
   15 gallons per minute  

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

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

OTHER IMPORTANT INFORMATION:  

8. LEGAL REQUIREMENTS:  
   If required, these permits must be obtained before the Commission can legally issue a permit:  
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414  
   [ ] Not Required  
   [ ] If required, date approved  
   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OEQC at 586-4185  
   [ ] Not Required  
   [ ] If required, date published in OEQC bulletin  
   Special Management Area Permit (SMAP) To determine if an SMAP is necessary: on Oahu, call 527-6374; on Hawaii, call 951-8298; for Maui county, call 270-7235; on Kauai, call 241-8677.  
   [ ] Not Required  
   [ ] If required, date approved  

9. REMARKS, EXPLANATIONS:  

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 40 days after the completion date of the permitted well; 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: DANIEL GREENLAW  
   (print legibly)  
   Signature:  
   Date: 6/26/03  

Landowner: DANIEL GREENLAW  
   (print legibly)  
   Signature:  
   Date: 6/26/03  

Contractor: Fred Page Drilling International Inc.  
   (print legibly)  
   Signature:  
   Date: 6/26/03  

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

WCPIPA Form 8/21/01
10. PROPOSED WELL SECTION  (Please attach schematic if different from diagram provided below)

For non-salt water Basal Wells:
- ABS Plastic
- Stainless Steel: Thermoset
- PVC Plastic

Solid Carbon Steel: compliant
- Open Carbon Steel: compliant
- ABS Plastic
- Stainless Steel: Thermoset
- PVC Plastic

Example: Estimated + 2 ft. Water Level Elev. = \((\text{Well Elevation} - \text{Ground Elevation}) \times \frac{1}{4}\) ft.

Casing:
- Material: Schedule 40
- Schedule 80
- API Spec. 5L

Thermal Set Plastic:
- Filament Wound Resin Pipe conforming to ASTM D3296
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- 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
- Stainless Steel: compliant
- ABS Plastic conforming to ASTM F480
- PVC Plastic conforming to ASTM F480

Open Hole: Length:
- Diameter:
- Bottom Elevation:

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139
- Stainless Steel: compliant with (check one or more):
  - ASTM A242
  - Type E
  - Type S
  - Grade B
  - Other
- ABS Plastic conforming to ASTM F480
- PVC Plastic conforming to ASTM F480

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
- Stainless Steel: compliant with (check one or more):
  - ASTM A242
  - Type E
  - Type S
  - Grade B
  - Other
- ABS Plastic conforming to ASTM F480
- PVC Plastic conforming to ASTM F480

**INSTALLATION STANDARDS**

- Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to ensure that your as-built is in compliance with applicable standards.

- 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,
  - Bottom Elevation of Well Limit = \(\text{Water Elevation} - \frac{1}{4} \times \text{Well Length}\)

- Please refer to the construction standards.
Mr. Daniel G. Greenlaw 
P.O. Box 2195 
Pahoa, Hawaii 96778

Dear Mr. Greenlaw:

Subject: Special Management Area Use Permit Assessment Application (SMAA 04-44)  
Applicant: Daniel G. Greenlaw  
Request: Drilling of a Fresh Water Well  
TMK: 1-5-57-80, Hawaiian Paradise Park, Puna, Hawaii

This is in response to your Special Management Area Use Permit Assessment Application received on May 25, 2004 for fresh water well.

By letter dated March 31, 2004, a determination was made that the construction of a single-family residence on the subject parcel was exempt from Special Management Area rules and regulations. This decision was based on Chapter 205A-22, Hawaii Revised Statutes, and Planning Commission Rule No. 9-4(10)(B)(i) relating to Special Management Area, whereby “development” does not include “Construction of a single-family residence that is not part of a larger development.” Also exempt is “structural and non-structural improvements to existing single-family residences, where otherwise permissible”. Since the water well is considered accessory to this residential use, it is also exempt from further Special Management Area review.

Please note that this determination is based on the well being located mauka of the house site.

While further review of the construction of the proposed well against the Special Management Area rules and regulations will not be required, all other applicable Zoning and Building Code requirements must be satisfied.

Hawaii County is an equal opportunity provider and employer.
Should you have questions, please feel free to contact Esther Imamura or Larry Brown of this department at 961-8288.

Sincerely,

CHRISTOPHER J. YUEN
Planning Director

xc: Long Range Planning – Ms. Susan Gagorik