WELL CONSTRUCTION PERMIT

Bartlett Well, Well No. 3787-05

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 Bartlett Well (Well No. 3787-05), Hawaii, TMK 1-5-62: 086, 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 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 in-stream 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: October 21, 2004
Expiration Date: October 20, 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: Michael E. Bartlett
Firm or Title: Owner
Date: October 28, 2004

Driller's Signature: Rod Diamond
C-57 License #: B23379
Date: 10/29/04

Printed Name: Rod Diamond
Firm or Title: Rod Diamond Construction

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
Hawaii Department of Water Supply
Rod Diamond
NOTICE TO START DRILLING

DATE: 11/01/2004

This is to inform you that we would like to start well construction on BARTLETT WELL, Well No. 3787-05 and would like to use the test pump as the permanent pump prior to final pump installation permit issuance.

Fill free to call me at 808-987-8100 or home 808-966-6398.
Rod Diamond  Well Driller/ Contractor BC23379
**Commission on Water Resource Management**

**Route Slip for Permit Issuance**

**From:** RYAN

**Date:** 10/21/04

**Suspense Date:**

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**Well Number:** 3787-05

**Well Name:** Bartlett Well

**Well Construction**

**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

**Pump Installation**

**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

**For Office Use Only**

**To be Sent to Applicant**

**Please:**

- Review & Comment
- Take Action
- Type Draft
- Type Final
- File
- Xerox ___ copies
October 26, 2004

Ref: 3787-05.wcp

Mr. Michael Bartlett
P.O. Box 182
Pahoa, HI 96778

Dear Mr. Bartlett:

Well Construction Permit
Bartlett Well (Well No. 3787-05)

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,

[Signature]

Peter T. Young
Chairperson

Enclosures

c: Rod Diamond
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 Bartlett Well (Well No. 3787-05), Hawaii, TMK 1-5-62: 086, 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 1-1/4-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 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, damage 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: October 21, 2004
Expiration Date: October 21, 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
C: USGS
Department of Health’s Safe Drinking Water, Wastewater, and Clean Water Branches
Hawaii Department of Water Supply
Rod Diamond
STATE MESSENGER DELIVERY

Date: 9-13-04

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

From: Department of Health, Wastewater Branch, Planning & Design Section

Attn: Lenore Nakama

Subject: Well No. 3787-05 Bartlett

Well No. ________________________________
September 8, 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
Bartlett Well (Well No. 3787-05)

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 October 21, 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.

LYN: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 50 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 of 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.

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

[ ] An NPDES permit is required.

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

No comments/objections

Contact Person: Lori N. Kajimura Phone: 586-4294
Signed: Chrin [Signature] Date: 9-13-04
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.

Tax Map Key number: 3.1.5.062:086
Address: HPP 5449
Septic Tank File #: Mike Bartlett
Applicant Name:

Submit Plan Date: 06-28-2004
Plan Approval Date: 06-29-2004
Inspection Date: 
System Approved for Use Date: 
BPA Date: 

System / Disposal Via: Septic tank / Bed
Use For: Long 3 Bedroom
Designed By: 
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

cesspool faxes,wpd sam rev October 10, 2003
September 8, 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
Bartlett Well (Well No. 3787-05)

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 October 21, 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.

Lyn: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 30 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 (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-25-28.

[ ] 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 or more 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 prevention device 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 [3] or [ ] 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: 586-6209
Date: 9/14/04

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
TO: Dede Mamiya, Administrator  
Land Division

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

SUBJECT: Well Construction/Pump Installation Permit Application  
Bartlett Well (Well No. 3787-05)

September 8, 2004

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 October 21, 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.

LYN: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 [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

[ ] Other comments: Original source of private title occurred prior to Statehood.

Contact Person: Gary Martin Phone: 587-0255

Signed: Gary Martin Date: OCT - 1 2004
September 8, 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
Bartlett Well (Well No. 3787-05)

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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.

Signed: ________________
Phone: 586-4258
Date: SEP 13 2004

Bill Wong

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, §§11-20-26.

[ ] 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 this 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 prevention, and by clearly labeling all non-potable spouts 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 [this 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/observations

Contact Person: [Bill Wong] Phone: 586-4258
Signed: Bill Wong Date: SEP 13 2004
## Well Check Program

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

### Data Input

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<tbody>
<tr>
<td><strong>Well Number</strong></td>
<td>3787-05</td>
</tr>
<tr>
<td><strong>Well Name</strong></td>
<td>Bartlett Well</td>
</tr>
<tr>
<td><strong>Ground Elevation</strong></td>
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</tr>
<tr>
<td><strong>Cement Grout</strong></td>
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</tr>
<tr>
<td><strong>Grouting Method</strong></td>
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<tr>
<td><strong>Hole Diameter</strong></td>
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<td><strong>Total Depth</strong></td>
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<tr>
<td><strong>Estimated Head</strong></td>
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<tr>
<td><strong>Solid Casing Material</strong></td>
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<td><strong>Solid Casing Specification</strong></td>
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<td><strong>Solid Casing Wall Thickness</strong></td>
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### Results

#### Well Depth

<table>
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<tr>
<td>Theoretical Thickness of Aquifer</td>
<td>410</td>
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<td>1/4 Aquifer Thickness</td>
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<table>
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<tbody>
<tr>
<td>Depth of Well below Sea Level</td>
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#### Well Casing

<table>
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<tr>
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<td>pvc plastic</td>
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<tr>
<td>Minimum Thickness per standards</td>
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<table>
<thead>
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<tbody>
<tr>
<td>Wall Thickness Provided</td>
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<tr>
<td>Minimum Length of Solid Casing</td>
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<table>
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<tr>
<td>90% of ground to top of aquifer</td>
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<table>
<thead>
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<tbody>
<tr>
<td>Length of solid casing Provided</td>
<td>60</td>
</tr>
<tr>
<td>Casing Material</td>
<td>Schedule 40</td>
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(for pvc only - check for 200' limit) in compliance

#### Annular Space

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<tr>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Depth of Grouting provided</td>
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Minimum Annular Space required | 2 |

<table>
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<tr>
<th>Description</th>
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<tr>
<td>Thickness of Annular Space</td>
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okay

Section 2.2

Section 2.4(b)

Section 2.4(c)

Section 2.4(d)

Section 2.6(c)

Section 2.6(d)
**COMMISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR NEW APPLICATIONS**

<table>
<thead>
<tr>
<th>FROM:</th>
<th>RYAN</th>
<th>DATE:</th>
<th>2-Sep-04</th>
<th>SUSPENSE DATE:</th>
<th>9-Sep-04</th>
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<th>INIT.</th>
<th>TO:</th>
<th>INIT.</th>
<th>FOR:</th>
<th>PLEASE:</th>
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<td>BAUER, G.</td>
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<td>NAKAMA, L.</td>
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<td>See Me</td>
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<tr>
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<td>1</td>
<td>NAKANO, D.</td>
<td>1</td>
<td>Signature</td>
<td>Review &amp; Comment</td>
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<tr>
<td>FUJII, N.</td>
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<td>NISHIOKA, L.</td>
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<td>Information</td>
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<td>OHYE, M.</td>
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<tr>
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<td>SAKODA, E.</td>
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<td>HIRANO, E.</td>
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<td>UYENO, D.</td>
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<td>IZU, Y.</td>
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<td>YODA, K.</td>
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<td>KUNIMURA, I.</td>
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<td>YOSHINAGA, M.</td>
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**WELL NUMBER:** 3181-05

**WELL NAME:** Bartlett

**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
  11. DHP, SMA, EA check

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

**INCOMPLETE ACTION DATES:**

<table>
<thead>
<tr>
<th>DATE</th>
<th>ACTION</th>
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<tbody>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>May 16</td>
<td>Lend, could you please process acknow merge corresp. Thanks</td>
</tr>
</tbody>
</table>
Mr. Michael E. Bartlett
P.O. Box 182
Pahoa, HI 96778

Dear Mr. Bartlett:

Well Construction/Pump Installation Permit Application for Well No. 3787-05

We acknowledge receipt, on September 3, 2004, of your completed Well Construction/Pump Installation permit application and filing fee for the Bartlett Well (Well No. 3787-05). 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), extension 70255.

Sincerely,

YVONNE Y. IZU
Deputy Director

LYN:ss
September 8, 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
Bartlett Well (Well No. 3787-05)

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 October 21, 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.

LYN: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 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: __________
September 8, 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
         Bartlett Well (Well No. 3787-05)

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 October 21, 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.

LYN: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: ___________
September 8, 2004

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
Bartlett Well (Well No. 3787-05)

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 October 21, 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.

LYN:ss
Attachment(s)

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: ______________
Professional and Vocational Licensing Search

LICENSE CLASS SCREEN

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

There were 2 specific license classes on this licensee!

***** LICENSE CLASS FOR THIS LICENSEE *****
LIC: CT-23379 RODNEY K DIAMOND

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<th>RESTRICTED</th>
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<tr>
<td>C57</td>
<td>WELL</td>
<td>06/30/04</td>
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<-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=23379&lictp=CT&off=0&nm=R... 9/7/2004
**PUBLIC RECORD DATA**

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<th>Subdiv/Condo</th>
<th>Tnr</th>
<th>Property Address</th>
<th>Owner/Lessee</th>
<th>Beds</th>
<th>Baths</th>
<th>Land area</th>
<th>Living area</th>
<th>Last Sale</th>
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<td>F</td>
<td>KIAWE ST (ROAD BARTLETT, Paradise Park)</td>
<td>MICHAEL E</td>
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<td></td>
<td>21,780 sqft</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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</table>
APPLICATION FOR PERMIT

APPLICANT INFORMATION:

1. (a) ☐ WELL OWNER: SAME Contact Person: Phone:
   Mailing Address: Fax: E-mail:

   (b) ☐ LAND OWNER: Michael E. Bartlett Contact Person: Michael B. Phone: 808-936-4091
   Mailing Address: 90 Box 182, Pohan, HI 96775 Fax: E-mail:

   (c) ☐ CONTRACTOR: Rob Diamond Contact Person: Phone: 808-987-8100
   Mailing Address: 640 E. Box 14073 Fax: 808-966-4249 E-mail:

For further information and updates to this application form, visit http://www.state.hi.us/dlnr/wrm.

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

1. (a) ☐ WELL OWNER: __________ Contact Person: __________ Phone: __________
   Mailing Address: __________ Fax: __________ E-mail: __________

2. WELL NAME: Bartlett well Island: Hawaii
   Address: ____________________ Tax Map Key: 3-5-62-86

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 587-0225)

4. CONSTRUCTION: ☐ Drilled ☐ Dog ☐ Shaft ☐ Tunnel
   Is this well part of a battery of wells? ☐ Yes ☐ No (Please describe)

5. PROPOSED PUMPING RATE: __________ gallons per minute

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

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

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 587-0644
   Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OEQC at 586-4185
   Special Management Area Permit (SMA) To determine if a SMA is necessary: on Oahu, call 527-5374; on Hawaii, call 961-8288; for Maui county, call 270-7230; on Kauai, call 241-8577. Not Required
   Not Required, if required, date approved:

9. ARCHAEOLOGICAL REQUIREMENTS:
   To find out if an archaeological work is required: on Oahu, call Elaine Jourdane at 692-8227; on Hawaii, call Mary Anne Meigent at 327-3680, for Maui county, call Cathy Diegher at 692-8233, on Kauai, call Nancy McMillon at 742-7033.
   ☐ Not Required, date approved:
   ☐ Not Required, please either letter from DLNR Historic Preservation

10. REMARKS, EXPLANATIONS:

   (If more space is needed, please attach additional sheet)

NOTE: Signing below indicates the signature is legible and swear the that the information provided on this application is accurate and true to the best of their knowledge. Further, the signature understands 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/reabandonment 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 consumptive 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 into compliance, and any work done while the permit is in suspension may result in fines of up to $2,000/day.

Well Owner: __________ Contract: __________
Landowner: __________
Signature: __________
Date: __________

For official use only

Latitude: __________
Longitude: __________

Aquifer System No. __________
State Well No. __________
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Elevation at top of casing: **6 ft., msl**

Solid Casing: (≥ 90% x (Ground Elev. - Water Elev.))
- Total Length: **60 ft.**
- Nominal Diameter: **6 in.**
- Wall Thickness: **≥ 0.40 in.**
- Bottom Elevation: **≤ 40 ft., msl**

Open Casing: (Perforated) or Screen
- Total Length: **10 ft.**
- Nominal Diameter: **6 in.**
- Wall Thickness: **≤ 0.40 in.**
- Bottom Elevation: **≥ 40 ft., msl**

- Note: Neither bentonite nor mud should be used in unlined rock formations.

* 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 = (Water Elevation - 0.25 x Water Level Elevation) / 4

Example: Estimated = 2 ft. Water Level Elev. —> Bottom Elevation of Well Limit = \( \left( 2 - \frac{1}{4} \times 2 \right) = -1.5 \) ft.

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more):
  - ANSI/AWWA C200
  - API Spec. 5L
  - ASTM A53
  - ASTM A139

**Thermoset Plastic:**
- Compliant with (check one or more):
  - ASTM A422
  - Type E
  - Type S
  - Grade B
  - Grade F
  - Other

- 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

**HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS**
- Please refer to the standards for proper installation.