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Date: JAN 31 2005
WELL CONSTRUCTION PERMIT

Connie Well, Well No. 3686-04

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 Connie Well (Well No. 3686-04) at HPP, Hawaii, TMK 1-5-059: 057, 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 96821, 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 1.5-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 pumping test 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 resources remain 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 cumulative 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-buil1 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 it 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 transmitter letter are incorporated herein by reference.

Date of Approval: December 23, 2004
Expiration Date: December 23, 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 a 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 $3000 per day starting from the permit date of approval.

Permittee's Signature: Allan Burr
Printed Name: Allan Burr
Firm or Title:
Date: 1/1/2006

Driller's Signature: Allan N. Burr
Printed Name: Allan K. Drummond
C-57 License #: 0329379
Date: 1/27/05

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: 01/27/2005

This is to inform you that we would like to start well construction on Connie WELL, Well No. 3686-04 and would like to use the test pump as the permanent pump prior to final pump installation permit issuance.

Feel 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: 12/20/05
SUSPENSE DATE: __________

TO: BAUER, G.
TO: CHING, F.
TO: DANBARA, S.
TO: FUJI, N.
TO: GOODING, K.
TO: HARDY, R.
TO: HIGA, D.
TO: ICE, C.
TO: IMATA, R.
TO: IZU, Y.
TO: KUNIMURA, I.


FOR: Approval FOR: Signature FOR: Information
PLEASEx See Me 1 Review & Comment
Take Action Type Draft
2 Type Final
File Xerox ______ copies

WELL NUMBER 3686-04 WELL NAME Connie well

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
COMMENTS: Due Date 12/16/04
3 SDWB Date
4 WWB Date
5 CWB Date
6 HEER Date
7 LD Date
8 HP Date
9 PUMP TEST
10 WCR I Form
11 WELL CHECK PRINTOUT

TO BE SENT TO APPLICANT

app date 12/23/04

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
COMMENTS: Due Date
3 SDWB Date
4 WWB Date
5 CWB Date
6 HEER Date
7 LD Date
8 HP Date
9 WCR II Form
10 WUR Form
11 GLENN'S WORKSHEET

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

Need to fix false negative on wall thickness in well check. pvc 0.6.
January 7, 2005

Ref: 3686-04.wcp

Mr. Allan Burr
P.O. Box 784
North Bend, WA 98045

Dear Mr. Burr:

Well Construction Permit
Connie Well (Well No. 3686-04)

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: Rod Diamond
WELL CONSTRUCTION PERMIT

Connie Well, Well No. 3686-04

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 13-158, entitled "Water Use, Wells, and Stream Diversion Works," this document permits the construction and testing of Connie Well (Well No. 3686-04) at HPP, Hawaii, TMK 1-5-059: 057, 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 shall be allowed to inspect installation activities in accordance with §13-158-15, Hawaii Administrative Rules.

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

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

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

5. In the event that subsurface cultural remains such as artifacts, burials, or concentrations of shells or charcoal are encountered during construction, the permittee, well operator, and/or well owner shall stop work and contact the Department's Historic Preservation immediately.

6. The proposed well construction shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. This permit or the authorization to construct the well shall not constitute a determination of correlative water rights.

7. The following shall be submitted to the Chairperson within sixty (60) days after completion of work:
   b. Elevation (referenced to mean sea level, msl) survey by a Hawaii-licensed surveyor.
   c. As-built sectional drawing of the well.
   d. Plot plan and map showing the exact location of the well.
   e. Complete pumping test records, including time, pumping rate, drawdown, chloride content, and other data.

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

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (February 18, 2004; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

10. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the well construction permit application shall be completed within two (2) years from the date of permit approval, unless otherwise specified. The permit may be extended by the Chairperson upon a showing of good cause and good-faith performance. A request to extend the permit shall be submitted to the Chairperson no later than three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-158-12(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 related 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: December 23, 2004
Expiration Date: December 23, 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/ Safe Drinking Water, Wastewater, and Clean Water Branches
Hawaii Department of Water Supply
Rod Diamond
TO:         Dede Mamiya, Administrator
Land Division

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

SUBJECT:    Well Construction/Pump Installation Permit Application
Connie Well (Well No. 3686-04)

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 December 23, 2004. If we do not receive comments or a request for
additional review time by this date, we will assume you have no comments.

Please find the attached maps to locate the proposed well. If you have any questions
about this permit application, request additional information, or request additional review time,
please contact Ryan Imata of the Commission staff at 587-0255.

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

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

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

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

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

[ ] No objections

[ ] Other comments: Original source of private title occurred prior to
statehood in 1959.

Contact Person: Gary Martin          Phone: 587-0255

Signed: Gary Martin          Date: DEC 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 
Connie Well (Well No. 3636-04)

November 17, 2004

Transmitted for your review and comment is a copy of the captedoned 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 December 23, 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 Imita of the Commission staff at 808-0255.

ACTION: 
Attachment(s)

RESPONSE:

The well qualifies as a source which will serve as a source of possible water to a public water system (defined as serving 25 or more people at least 60 days per year or less than 25 people or more at least 60 days per year of 15 service connections) and must receive Department of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 29. Rules Relating to Potable Water Systems, §§11-26-29.

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

If this well is used to supply both potable and non-potable purposes in a single system, the user shall eliminate cross-connections and backflow preventers by physically separating potable and non-potable systems by air gaps or an approved backflow preventer, and by clearly labeling all non-potable supplies 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 [locally not located near the proposed well site (information attached)]

An NPDES permit is required.

Other relevant DOW rules, regulations, interpretation, or recommendations are attached.

No comments or objections

Signed: Bill Young 
Date: Nov. 2, 2004

Contact Person: Warf

Phone: 886-4258
November 17, 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
   Connie Well (Well No. 3686-04)

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 December 23, 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 597-0255.

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year or has 15 or more service connections) and must receive Director of Health approval prior to its use to comply with Hawaii Administrative Rules (HAR), Title 11, Chapter 20, Rules Relating to Potable Water Systems, §11-20-29.

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

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

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

An NPDES permit is required.

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

No comments/objections.

Contact Person: Len Kainaka
Signed: Len Kainaka
Phone: 586-4294
Date: 11-24-2004
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
Connie Well (Well No. 3686-04)

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 December 23, 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.

R: ss
Attachment(s)

RESPONSE:

This well qualifies as a source which will serve as a source of potable water to a public water system defined as serving 25 or more people at least 60 days per year or has 15 or more service connections and a well reuse Director of Health approval order 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 supplying a public water system serving 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 water in a single system, the user shall identify 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 piping 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 (ff.1) is not located near the proposed well site (Information attached).

An NPDES permit is required

Other relevant DOW rules/regulations, information or recommendations are attached

No comments/objections

Contact Person: Alec Wong
Phone: 586-4309
Date: 11/22/04

Signed: Alec Wong

November 17, 2004

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 227
HONOLULU, HAWAII 96809
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 F.C. 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/wr
## Well Check Program
4/1/04 - Revised for update to Well Standards (February 2004)

### Data Input

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#### Well Casing

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Minimum Wall Thickness Material</td>
<td>pvc plastic</td>
</tr>
</tbody>
</table>

#### Wall Thickness Provided

| Minimum Thickness per standards | 0.3125  | too small |

#### Length of Solid casing Provided

| 90% of ground to top of aquifer | 24.3  |

#### Casing Material

| Schedule 40 | In compliance |

#### Annular Space

| Depth of Grouting | 18.9  |

| Depth of Grouting provided | 27 | okay |

| Minimum Annular Space required | 2  |

| Thickness of Annular Space | 3 | okay |

---

**yes**

**no**

steel

stainless steel
**MISSION ON WATER RESOURCE MANAGEMENT**

**ROUTE SLIP FOR NEW APPLICATIONS**

**FROM:** Ryan  
**DATE:** 1-Oct-04  
**SUSPENSE DATE:** 8-Oct-04

**TO:**  
1. Bauer, G.  
2. Ching, F.  
3. Fujii, N.  
4. Hardy, R.  
5. Higa, D.  
6. Hirano, E.  
7. Ice, C.  
8. Imata, R.  
9. Izu, Y.  
10. Kunimura, I.  

**INITIALS:**

**FOR:**

1. Approval  
2. Signature  
3. Information  

**PLEASE:**

- See Me  
- Review & Comment  
- Take Action  
- Type Draft acknow letter  
- Type Final w/elec. signat., label file folder  
- File  
- Xerox copies

**WELL NUMBER:** 3B6-04  
**WELL NAME:** Connie  

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

**ATTACHMENTS FOR APPLICATION PROCESSING**

- 1. Trans. Letter
- 2. CWRM Map
- 3. Appl. Form (Copies)
- 4. USGS Maps (5 Copies)
- 5. Tax Maps (5 Copies)
- 6. Parcel Owner Verif.
- 7. Contractor Verif.
- 8. All Info Filled In
- 9. Background Check
- 10. $25 Fee Deposit Slip
- 11. DHP & SMA check

**FOLDER:**

- [x] 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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"Why took so long to accept?"
November 17, 2004

Mr. Allan Burr
P.O. Box 784
North Bend, WA 98045

Dear Mr. Burr:

Well Construction/Pump Installation Permit Application for Well No. 3686-04

We acknowledge receipt, on September 28, 2004, of your completed Well Construction/Pump Installation permit application and filing fee for the Connie Well (Well No. 3686-04). 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
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
Connie Well (Well No. 3686-04)

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 December 23, 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:

1. 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 of 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.

2. 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.

3. 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.

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

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

6. An NPDES permit is required.

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

8. 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  
  Connie Well (Well No. 3686-04)  

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 December 23, 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: Melanie Chinen, Administrator
Historic Preservation

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

SUBJECT: Well Construction/Pump Installation Permit Application
Connie Well (Well No. 3686-04)

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 December 23, 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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<tr>
<th>Approved</th>
<th>Well No.</th>
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<th>Applicant</th>
<th>Driller</th>
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**Well Background Check**
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<th>PH ACT</th>
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**TOTAL** $50.00

**REMARKS:**

LINE (1) Connie, tmk: 1-5-59:57
LINE (2) Rosa, tmk: 4-4-3-64
LINE (3)
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
There were 2 specific license classes on this licensee!

** **** LICENSE CLASS FOR THIS LICENTSEE ****

<table>
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<tr>
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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
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<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
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<th>Liv area</th>
<th>Last Sale</th>
<th>Instr</th>
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<td>F</td>
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<td>2/2/2004</td>
<td>DEED</td>
<td>$190,001</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.
September 22, 2004

To:
State of Hawaii
Commission On Water Resource Management
P.O. Box 621
Honolulu, Hi 96809
Tlf 808 587-0225

Reference:
TMK # 1-5-059-057-000
Burr Bouchard Lot 465,
Paradise Ala Kai, Kaloli Point, Hawaiian Paradise Park,
Keauau, Hawaii 96749

From:
Allan Burr & Connie Bouchard
P.O. Box 784
North Bend, Wa 98045
Tlf 425-888-2855
Fax (Work) 425-216-7401
E Mail abcb@centurytel.net

Subject:
Application For Permit Well Construction and/or Pump Installation

Dear Sir/Madam;

Attached is our Application For Permit Well Construction and/or Pump Installation for a residential water well permit from the State of Hawaii, Commission On Water Resource Management, Department of Land and Natural Resources.

Attached is the following:

Full application – with 5 copies (6 ea total) - consisting of the following:

- Form - Application For Permit Well Construction and/or Pump Installation

- Portion of a 7.5 minute Series USGS topographic map (scale 1:24,000) Pahoa North Quadrangle, Hawaii-Hawaii Co., with well location labeled

- Property Tax Map 1- 5-59 (as provided by the tax office)

- Detailed Property Tax Map 1-5-59 Lot Map (enlarged for clarity, and drawn to scale) identifying the proposed well location

- SMAP Exemption Letter - dated 9/14/04

- $25.00 Check (for filing fee) payable to Dept. of Land and Natural Resources

Thank you for your attention to this matter and please contact us if we have omitted any information you require.

Sincerely yours,

Allan Burr & Connie Bouchard
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR PERMIT

APPLICANT INFORMATION:

1. (a) WELL OWNER
   ALLAN BURR
   Contact Person: ALLAN BURR
   Phone: 415-888-2855
   Mailing Address: P.O. Box 784, North Bend, WA 98045
   Fax: 415-216-7401
   E-mail: ABCB@CENTURYNET.NET

2. WELL NAME: COFFEE WELL
   Island: HAWAII
   Address: P.O. Box 784, North Bend, WA 98045
   Tax Map Key: 1 5 59 57

3. PROPOSED WORK
   (check all that apply)
   (a) Construct New Well
   (b) Modify Existing Well
   (c) Abandon/Seal

4. CONSTRUCTION:
   (a) Drill
   (b) Dug
   (c) Shaft
   (d) Tunnel
   Is this well part of a battery of wells? (Yes/No)

5. PROPOSED PUMPING RATE:
   10 gallons per minute

6. PROPOSED USE:
   (check all that apply)
   (a) Municipal (including hotels, stores, etc.)
   (b) Industrial
   (c) Domestic (individual, noncommercial water system)
   No of Acres:
   (d) Irrigation (crop)
   (e) Military
   (f) Other (explain):

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   250 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   X Florometer O Open pipe O Weir O Office O Other (explain):

8. LEGAL REQUIREMENTS:
   (check all that apply)
   (a) Required, if approved
   (b) Required, if approved
   (c) Required, if published in OEQC bulletin

9. ARCHEOLOGICAL REQUIREMENTS:
   (check all that apply)
   (a) Required, if approved
   (b) Required, if approved

10. REMARKS, EXPLANATIONS:

NOTE: Signers below indicate 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 standards: 1) the proposed work is to be completed within the period of the approved date; 2) the contractor shall submit to the Commission a well completion/completion 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 cumulative 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 compliance, and any work done while the permit is in suspension may result in fines of up to $1000 per day.

Well Owner
Landowner
Contractor
Signature
Date

For Official Use Only:

WCPRA Form 7/9/03
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

For Thermoset ABS Plastic

Solid Casing: (≤ 90° x (Ground Elev. - Water Level Elev.))
- Total Length: 3 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 0.188 in.
- Bottom Elevation: 3 ft.

Open Casing: (Perforated or Screen)
- Total Length: 6 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: 0.188 in.
- Bottom Elevation: 3 ft.

Note: Neither bentonite nor mud should be used in saturated zone elevation limits.

Solid Casing Material:
- Carbon Steel: compliant (check one or more): □ ANSI/AWWA C203 □ API Spec 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D2996 (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241) (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one)
  □ Filament Wound Resin Pipe conforming to ASTM D2996
  □ Centrifuagally Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Motor Pressure Pipe conforming to ASTM D3517
  □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
- Carbon Steel: compliant (check one or more): □ ANSI/AWWA C203 □ API Spec 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A409 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F480 and ASTM D1785 (check one): □ Schedule 40 □ Schedule 80
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  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

For non-salt water, Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = \left(\text{Water Elevation} - \frac{3}{4}\times\text{Water Level Elev.}\right)

Example: Estimated 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = \left(2 - \frac{3}{4}\times2\right) = 1.5 ft.

* 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.
TMK # 1-5-059-057-000,
BURR BOUCHARD LOT 465,
PARADISE ALA KAI, KALOLI POINT, HAWAIIAN PARADISE PARK,
KEAAU, HAWAII 96749

ROAD CENTER 20 FEET

256 FEET

CORNER PIN 1

40 FEET

CORNER LOCATION

80 FEET

.51 ACRE

CORNER PIN 2

PERPENDICULAR REFERENCE LINE FROM CORNER PIN 2

CORNER PIN 3

16 FEET

OCEAN CLIFFS

15 FEET

3 FEET

SCALE 1/4 INCH = 5 FOOT (IF NOT RESIZED)
Dear Mr. Burr and Ms. Bouchard:

Subject: Special Management Area Use Permit Assessment Application (SMAA 04-73)

Owners: Allan Burr & Connie Bouchard

Request: Drilling a Water Well

TMK: 1-5-59:57, Hawaiian Paradise Park Subdivision, Keaau, Puna, Hawaii

This is in response to your Special Management Area Use Permit Assessment Application received on August 24, 2004 to drill a water well on the subject parcel.

In reference to your letter dated August 18, 2004, the use of a water well is preferred to a water catchment system. However, the outcome of the drilling of the water well will determine which water source will be utilized and the location of the dwelling and related improvements on the subject parcel.

According to Chapter 205A-22, Hawaii Revised Statutes, and Planning Commission Rule No. 9-4(10) (B) (i) relating to Special Management Area, "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".

We have determined that the drilling of the water well is considered accessory to a residential use and exempt from further Special Management Area review. Please note, however, that this determination is based on the water well being located approximately 25 feet from Paradise Ala Kai Road. Any change in location of the water well site will
require another Special Management Area assessment. Further, as you have already acknowledged, a Special Management Area assessment would be submitted for the future single family dwelling and related improvements.

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.

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

ETI:pak
P:\PWin60\CZM\SMAA\2004\SMAA04-73BurrBouchard.doc

cc: Long Range Planning – Ms. Susan Gagorik