Hi Charley -
Attached please find the executed pump installation permit for the Brydeswood wells, State No. 5631-03 & 09.
Do you need me to mail over an original?
Aloha,
Betsy

Oasis Water Systems, Inc
P.O. Box 507
Hanalei, HI 96714
(808) 826-1854 office
(808) 826-6530 fax

5631-03&09 Executed pump permit.pdf
PUMP INSTALLATION PERMIT
Brydeswood 1 & 2, Well No. 5631-03 & -09

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 pump installation for Brydeswood 1 & 2 (Well No. 5631-03 & -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

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

2. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 400 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water-level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/resources_permits.htm for current form).

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

9. The pump installation permit application and, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

10. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

12. The work proposed in the pump installation 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 the date the permit expires.

13. 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.

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

Date of Approval: April 11, 2011
Expiration Date: April 11, 2013

WILLIAM J. AILA, JR., 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 pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer's Signature: [Signature]
C-57, C-57a, or A License #: C-21457 Date: 4-18-2011
Printed Name: Elizabeth Lis
Firm or Title: Oasis Water Systems, Inc.

Please sign both copies of this permit, return one copy to the Commission office, and retain the other for your records.
COMMISSION ON WATER RESOURCE MANAGEMENT

FROM: Charley
DATE: 11

TO: IMATA, R.
INIT. 3
TO: TAM, W.
INIT. 1
FOR: Approval

TO: UYENO, D.
INIT. 4
TO: HARDY, R.
INIT. 4
FOR: Signature

TO: CHONG, R.
INIT. 4
TO: OHYE, L.N.
INIT. 3
FOR: Information

TO: FUJII, N.
INIT. 5
TO: KIMURA, J.
INIT. 5
TO: YOSHINAGA, M.
INIT. 5
TO: YODA, K.
INIT. 5
FOR: Information

PLEASE:
- Review & Comment
- Type Draft
- Type Final
- File
- Copies:
- Take Action:
  - see PEOPLE: A, B, E, etc
  - Please See Me

based on loa (attached)
April 14, 2011

Ms. Elizabeth Lis
Oasis Water Systems, Inc.
P.O. Box 507
Hanalei, HI 96714

Dear Ms. Lis:

Pump Installation Permit
Brydeswood 1 & 2 (Well No. 5631-03 & -09)

Enclosed are two (2) originals of your approved Pump Installation Permit for the captioned well(s) that authorize permanent pump installation work for your well(s). As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 14:

Special Conditions

1. If the elevation benchmark needs to be altered, the permittee, well operator, and/or well owner shall ensure that the benchmark is transferred (or the well resurveyed) and documentation of the new benchmark shall be submitted to the Commission within sixty (60) days after the pump is installed.

The permittee is responsible for all conditions of the permit. This includes ensuring the submission of a completed Well Completion Report Part II form within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign both permit originals and return one copy to the Commission office for our files.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Sincerely,

[Signature]
WILLIAM J. AILA, JR.
Chairperson

Enclosure

c: A & B Kauai
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 pump installation for Brydeswood 1 & 2 (Well No. 5631-03 & -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - February 2004) which include but are not limited to the following conditions:

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

2. No withdrawal of water shall be made other than for testing until a Certificate of Pump Installation Completion has been issued by the Commission.

3. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

4. The pump installation permit shall be for installation of a 400 gpm rated capacity, or less, pump in the well. This permanent capacity may be reduced in the event that the pump test data does not support the capacity.

5. A water-level measurement access shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels.

6. The permittee shall install an approved meter or other appropriate means for measuring and reporting withdrawals and appropriate devices or means for measuring chlorides and temperature at the well head.

7. Well Completion Report Part II shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/resources_permits.htm for current form).

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

9. The pump installation permit application and, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

10. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

12. The work proposed in the pump installation 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 the date the permit expires.

13. 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.

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

Date of Approval: April 11, 2011
Expiration Date: April 11, 2013

WILLIAM J. AILA, JR., 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 pump installer have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Installer’s Signature: __________________________ C-57, C-57a, or A License #: C-21457 Date: ____________

Printed Name: Elizabeth Lis Firm or Title: Oasis Water Systems, Inc.

Please sign both copies of this permit, return one copy to the Commission office, and retain the other for your records.

Attachments
Hi Charley -
Attached please find the executed permit and apps.
Also - please update your files to show Tom Shigemoto as the on-island A&B contact instead of James Hasen.
Same address in Eleele.

Aloha,
Betsy

Oasis Water Systems, Inc
P.O. Box 507
Hanalei, HI 96714
(808) 826-1854 office
(808) 826-6530 fax

--- On Mon, 4/11/11, Charley.F.Ice@hawaii.gov <Charley.F.Ice@hawaii.gov> wrote:

I'm sending two pieces:
WCP for two wells + loa for PIP
WCPIA for these wells.

You can sign for the PIP on the application, which will trigger us to issue the PIP.

The wells do not appear to have different locations, by our maps, so you get to choose. Please take careful GPS reading.

The reason for the odd numbering is that Water Resources Int'l. had initially applied for just one well, and by the time we second, with a few other applications intervening.
WELL CONSTRUCTION PERMIT

Brydeswood Wells 1 and 2, Well Nos. 5631-03 and -09

Note: This permit shall be prominently displayed at the construction 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 Brydeswood Wells 1 and 2 (Well Nos. 5631-03 and -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS – 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS. A current worksheet for recording pumping test data can be obtained by contacting Commission staff or at www.hawaii.gov/water/permits-forms.html. The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pumping test results do not support the permitted capacity.

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

5. The permittee shall employ 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.

6. In the event that historically-significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources’ State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

7. 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.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/water/permits-forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; noncompliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.

11. 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 the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned and permanently sealed during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f), HARR prior to any well sealing or plugging work.

13. 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.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-166-127.

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

Date of Approval: October 21, 2008
Expiration Date: October 21, 2010

LAURA H. THEIEN, 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 have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: [Signature]
C-57 License #: C-21457 Date: 4/11/2011

Printed Name: Barry Simmons Firm or Title: Oasis Water Systems, Inc.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

WELL LOCATION INFORMATION

STATE WELL No. (if already assigned)
1. WELL NAME
2. ISLAND
3. TAHK

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series U.S.G.S. topographic map (scale 1:24,000) with well location labeled and include the name of the quest map
- Property tax map, showing well location referenced to established property boundaries
- Photographic of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure

WELL OPERATOR'S NAME/COMPANY

A&B Properties, Inc.

RECEIVED SEP 11 4:06

For Official Use Only:

SEP 11 4:06

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series U.S.G.S. topographic map (scale 1:24,000) with well location labeled and include the name of the quest map
- Property tax map, showing well location referenced to established property boundaries
- Photographic of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure

PROPOSED WELL CONSTRUCTION

PROPOSED PUMP INSTALLATION

10. Proposed Work

11. Proposed Pumping Rate, gpm

14.1 Proposed new Pump

Replace Pump

08/30

12. Proposed Amount of Withdrawal, gpm (gallons per day)

08/30

700,000

13. Method of Flow measurement

17. Industrial (describe)

18. Irrigation (describe crop and no. of acres)

19. Military (describe)

20. Other (describe)

OTHER LEGAL REQUIREMENTS if required, Items 21, 22, and 23 must be obtained before the Commission can legally issue a permit

21. Conservation District Use Permit (CDUP)

22. Special Management Area Permit (SMAAP)

23. Historic Preservation District (HPD) of the Department of Land and Natural Resources

24. WELL DRILLER (must be filled out if application is for Well Construction)

25. PUMP INSTALLER (must be filled out if application is for Pump Installation)

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 921, Honolulu, Hawai'i 96802. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission's closing time is 4:30 p.m. Applications for water well construction and water well maintenance permits and other applications, contact the Regulation Branch at 847-8288. For further information and updates to this application visit http://www.hawaii.gov/wcm/wcm.cfm.
STATE OF HAWAII  DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96808. Application must be accompanied by 10 copies and a non-refundable filing fee of $35.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-681-3335. For further information and updates to this application form, visit http://www.hawaii.gov/land/dlnr.

WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>1. STATE WELL No. (if directly assigned)</th>
<th>2. WELL NAME</th>
<th>3. ISLAND</th>
<th>4. RNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>E</em></td>
<td>Brydwood No. 2</td>
<td>Kauai</td>
<td>2 - 4 - 07 - 004</td>
</tr>
</tbody>
</table>

The following must be attached before this application is accepted as complete:

- A portion of 7.5-minute scale U.SGS topographic map (scale 1:24,000) with well location labeled and include the name of the quadrangle
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For dug wells, attach a grading plan with cross section profiles showing existing and finish grades

WELL OPERATOR'S NAME/COMPANY

<table>
<thead>
<tr>
<th>WELL OPERATOR'S NAME/COMPANY</th>
<th>WELL OPERATOR'S CONTACT</th>
<th>LANDOWNER'S NAME/COMPANY</th>
<th>LANDOWNER'S CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A&amp;B Properties, Inc.</td>
<td>James Hasseyager -</td>
<td>Donald W. &amp; Sarah A.</td>
<td>Landowner's Contact</td>
</tr>
<tr>
<td></td>
<td>Project Manager</td>
<td>Schmanski Trustee of the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Schmanski Family Trust</td>
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WELL OPERATOR'S MAILING ADDRESS

<table>
<thead>
<tr>
<th>P.O. Box 178</th>
<th></th>
<th>7. LANDOWNER'S MAILING ADDRESS</th>
<th>8. LANDOWNER'S MAILING ADDRESS</th>
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<tbody>
<tr>
<td>Eleide, Hawaii 96705</td>
<td></td>
<td>9918 Latuwood</td>
<td>Rano, NV 89508</td>
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WELL OPERATOR's PHONE NUMBER

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<tr>
<th>WELL OPERATOR's PHONE NUMBER</th>
<th>WELL OPERATOR's E-MAIL</th>
<th>LANDOWNER's PHONE NUMBER</th>
<th>LANDOWNER's E-MAIL</th>
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<tbody>
<tr>
<td>808-335-5826</td>
<td><a href="mailto:hasseyager@abprop.com">hasseyager@abprop.com</a></td>
<td>530-825-2163</td>
<td><a href="mailto:don@schmanski.com">don@schmanski.com</a></td>
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</tbody>
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PROPOSED WELL CONSTRUCTION / PROPOSED PUMP INSTALLATION

<table>
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<tr>
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<tbody>
<tr>
<td>Construct New Well</td>
<td>Drilled</td>
<td>Install New Pump</td>
<td>gpm (gallons per minute)</td>
<td>Withdrawal, gpd (gallons per day)</td>
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<tr>
<td>Modify Existing Well</td>
<td>Shaft</td>
<td>Replace Pump</td>
<td>980.99 *</td>
<td>700.00 *</td>
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<tr>
<td>Abandon/Seal Well</td>
<td>Dog</td>
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9. Is this well part of a battery of wells? □ Yes □ No

14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

Ronald Casuga / Tel 808-240-2511 / Surveyor's License No. 4332
Koden & Associates, Inc. / 3126 Akahi Street / Lilue, Hawaii 96766

PROPOSED USE

☐ 15. Municipal (water systems serving greater than 25 individuals or 15 service connections)

☐ 16. Irrigation (describe crop and no. of acres)

☐ 17. Industrial (describe)

☐ 18. Military (describe)

☐ 19. Other (describe)

OTHER LEGAL REQUIREMENTS

If required, items 21 and 22 must be obtained before the Construction can legally issue a permit:

21. Conservation District Use Permit (CDUP)

☐ Well is in Conservation District

☐ Required, CDUP # 12345678 date approved __________

☐ Not Required

☐ Not Required (attach documentation from CDU)

☐ I have not checked with CDU about whether or not a CDU is required. I understand that checking with CDU prior to making this application will expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

☐ Well is not in Conservation District

☐ I have not checked if well is in or out of Conservation District. I understand that checking if the well is in a Conservation District may expedite my review. I further understand that issues raised may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

22. Special Management Area Permit (SMAP)

☐ Required, SMAP # 12345678 date approved __________

☐ Not Required

☐ Not Required (attach documentation from applicable County agency)

☐ I have not checked with the County about whether or not an SMAP Permit is required. I understand that checking with the County prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

23. State Historic Preservation Division (SHPO)

☐ I have consulted with the SHPO regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the SHPO.

☐ I have not consulted with the SHPO regarding potential impacts of well construction activities on historic sites. I understand that checking with the SHPO prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued. Additionally, the history of past land use is attached.

☐ Additional remarks, explanations, etc. (attach additional sheet if more space is needed)

If successful, the well will provide potable and irrigation supply for A&B's Brydwood Agricultural Subdivision in Kalaheo, Kauai.

NOTE: Signing below indicates that the signatories understand and agree that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 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/bond/report within 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $5,000/day.

24. WELL DRILLER (must be filled out if application is for Well Construction)

Oasis Water Systems, Inc. C-21457
License business name Barry Simmons 8-29-08
License No. 63310

25. PUMP INSTALLER (must be filled out if application is for Pump Installation)

Oasis Water Systems C24457
License business name Barry Simmons 8-29-08
License No. 63310

For Official Use Only:

RECEIVED

SEP 11 A9:09

WCPI Application Form 02/25/2007
Hi Charley -
We intend to begin drilling the Brydeswood Well 1 (No. 5631-03) in two weeks.
Thank you,
Betsy Lis

*Oasis Water Systems, Inc*
*P.O. Box 507*
*Hanalei, HI 96714*
*(808) 826-1854 office*
*(808) 826-6530 fax*
<table>
<thead>
<tr>
<th>FROM</th>
<th>TO:</th>
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<tbody>
<tr>
<td>Charley</td>
<td>IMATA, R.</td>
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<td>MILLS, D</td>
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<td>UYENO, D.</td>
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<td>SWANSON, S.</td>
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<td>KUNIMURA, I.</td>
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"This one fell thru the cracks"
October 28, 2010

Mr. Barry Simmons
Oasis Water Systems, Inc.
P.O. Box 507
Hanalei, HI 96714

Dear Mr. Simmons:

Extension of Well Construction Permit
Brydeswood Wells 1 & 2 (Well Nos. 5631-03 & 09)

We received your email request for an extension of the captioned permit on September 9, 2010. We understand that you are requesting an additional two years duration for this permit.

By this letter, your request is approved. The new expiration date is October 21, 2012. All other conditions remain the same. Please file this letter with your permit.

If you have any questions, please contact Charley Ice of our staff at (808) 587-0218 or toll free from Kauai at 274-3141, extension 70218.

Sincerely,

LENORE N. OHYE
Acting Deputy Director

cc: A&B Properties, Inc.
    Schmanski Family Trust
Hi Charley -

These are 1080 foot deep wells and after we finish the first one, they may want to wait awhile to finish the sec
Can you give us two years to Oct 2012, just in case?
Thanks,
Betsy

--- On Thu, 9/9/10, Charley.F.Ice@hawaii.gov <Charley.F.Ice@hawaii.gov> wrote:

From: Charley.F.Ice@hawaii.gov <Charley.F.Ice@hawaii.gov>
Subject: Re: Brydeswood Wells No 5631-03 & 5631-09 permit extension please
To: "Oasis Water Systems" <oasiskauai@yahoo.com>
Date: Thursday, September 9, 2010, 10:43 AM

Currently set to expire in October -- if it's alright, we'll move that to June, or should we make it a whole year (Oct. 2011)

Hi Charley -
We are requesting permit extensions for the Brydeswood Wells 1 and 2 - No. 5631-03 & 5631-09. We plan to
these wells by the end of the year.
Thank you,
Betsy Lis
Oasis Water Systems, Inc.
826-1854
WELL CONSTRUCTION PERMIT

Brydewater Wells 1 and 2, Well Nos. 5631-03 and -09

Note: This permit shall be prominently displayed at the construction 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 Brydewater Wells 1 and 2 (Well Nos. 5631-03 and -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.
3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS. A current worksheet for recording pumping test data can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrmlforms.htm. The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pumping test results do not support the permitted capacity.
4. In bedrock formations, the depth of the well may not exceed one-fourth (1/4) of the theoretical thickness (41 times initial head) of the bedrock formation unless otherwise authorized by the Chairperson.
5. The permittee shall employ 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.
6. In the event that historically-significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.
7. 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.
8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrmlforms.htm for current form).
9. The permittee shall comply with all applicable laws, rules, and ordinances; noncompliance may be grounds for revocation of this permit.
10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.
11. 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 the date the permit expires.
12. If the well is not to be used it must be properly capped. If the well is to be abandoned and permanently sealed during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f), HAR prior to any well sealing or plugging work.
13. 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.
14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).
15. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: October 21, 2008
Expiration Date: October 21, 2010

[Signature]
LAURA H. THIELEN, 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 have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: [Signature] C-57 License #: C-21457 Date: 11-8-08
Printed Name: Barry Simmons Firm or Title: Oasis Water Systems, Inc.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment

[Note: no licensed contractors designated under law for pipe installation yet]
WELL CONSTRUCTION PERMIT
Brydeswood Wells 1 and 2, Well Nos. 5631-03 and -09

Note: This permit shall be prominently displayed at the construction 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 Brydeswood Wells 1 and 2 (Well Nos. 5631-03 and -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.

3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS. A current worksheet for recording pumping test data can be obtained by contacting Commission staff at the Department of Land and Natural Resources, Commission on Water Resource Management (Commission), 415 S. Beretania St., Room 219, Honolulu, Hawaii 96813 or by calling 808-587-0403. The Chairperson shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pumping test results do not support the permitted capacity.

4. In basin 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.

5. The permittee shall employ 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.

6. In the event that historically-significant remains such as artifacts, burials, or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources' State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.

7. The proposed well construction shall not adversely affect existing or future legal uses of water on 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 correlating water rights.

8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/forms.htm for current form).

9. The permittee shall comply with all applicable laws, rules, and ordinances; noncompliance may be grounds for revocation of this permit.

10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

11. 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 the date the permit expires.

12. If the well is not to be used it must be properly capped. If the well is to be abandoned and permanently sealed during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f), HAR prior to any well sealing or plugging work.

13. 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.

14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).

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

Date of Approval: October 21, 2008
Expiration Date: October 21, 2010

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 have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller's Signature: Barry Simmons C-57 License #: C-21457 Date: 11-5-08

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment
Mr. Barry Simmons  
Oasis Water Systems, Inc.  
P.O. Box 507  
Hanalei, HI 96714

Dear Mr. Simmons:

Well Construction Permit  
Brydeswood Wells 1 and 2 (Well Nos. 5631-03 and -09)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned wells. This permit authorizes well construction activities, but not the installation work for a permanent pump and pumping equipment. As part of the Chairperson's approval, the following special conditions have been added and are part of your permit under Permit Condition 15:

Special Conditions

1. Attached for your information are copies 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. Also, please contact DOH's Noise Radiation and Indoor Air Quality Branch at 586-4700 to verify construction noise abatement standards and compliance requirements for this project.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for well and aquifer testing purposes without a certificate of pump installation completion from the Commission. You can obtain the Commission’s aquifer test data form from www.hawaii.gov/dlnr/cwrmlresources_permits.htm.

Please sign both permit originals and return one for our files.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Denise Mills of the Commission staff at 587-0251, or toll-free from Kauai at 274-3141, extension 70251.

Sincerely,

[Signature]

LAURA H. THEILEN
Chairperson

Enclosures

c: James Hasenyager, A&B Properties, Inc. (with DOH comments)  
Donald W. Schmanski, Schmanski Family 1994 Trust (with DOH comments)  
USGS  
Kauai Department of Water
WELL CONSTRUCTION PERMIT

Brydewood Wells 1 and 2, Well Nos. 5631-03 and -09

Note: This permit shall be prominently displayed at the construction 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 Brydewood Wells 1 and 2 (Well Nos. 5631-03 and -09) at TMK (4) 2-4-007:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS – 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.
3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS. A current worksheet for recording pumping test data can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrm/forms.htm. The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pumping test results do not support the permitted capacity.
4. 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.
5. The permittee shall employ 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.
6. In the event that historically-significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources’ State Historic Preservation Division. Work may recommence only after written concurrence by the State Historic Preservation Division.
7. 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 correlational water rights.
8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/forms.htm for current form).
9. This permit shall comply with all applicable laws, rules, and ordinances; noncompliance may be grounds for revocation of this permit.
10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.
11. 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 the date the permit expires.
12. If the well is not to be used it must be properly capped. If the well is to be abandoned and permanently sealed during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(3), HAR prior to any well sealing or plugging work.
13. 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 or relating to or connected with the granting of this permit.
14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(4).
15. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: October 21, 2008
Expiration Date: October 21, 2010

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 have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller’s Signature: __________________________ C-57 License #: C-21457 Date: _______________
Printed Name: Barry Simmons Firm or Title: Oasis Water Systems, Inc.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
Dear Mr. Hasenyager,

Pump Installation Permit Application – Letter of Assurance
Brydeswood Wells #1 and #2 (Well Nos. 5631-03 and -09), TMK (4) 2-4-007:004

We have completed the review process for your Well Construction/Pump Installation Permit application, which we received on September 15, 2008. Your pump installation permit for the subject wells is ready to be issued. However, in accordance with the State Water Code, §174C-84(a), this permit can only be issued to a licensed contractor and you have not identified one to install your pumps after the wells have been constructed.

After you have selected an appropriately-licensed contractor to complete your pump installation (i.e., a contractor who holds a valid and active C-57, C-57a or A license), to complete your Pump Installation Permit Application please have the contractor sign Section 25 of your application and submit it to our office for processing. Once we receive a complete application, we will issue the pump installation permit so long as the following conditions are met:

1. The contractor has no outstanding issues with the Commission.
2. There are no significant changes to the application.
3. There have been no significant changes to applicable laws, rules or regulations since the application date.
4. There have been no significant changes to hydrogeologic conditions since our initial review of your application date.

Please be aware that a pump may be installed for well and aquifer testing under your well construction permit, but you are not authorized to install a permanent pump or withdraw water from the well for any purpose other than testing without a pump installation permit.

If you have any questions, please contact Denise Mills of the Commission staff at 587-0251, or toll-free from Kauai at 274-3141, extension 70251.

Sincerely,

[Signature]
KEN C. KAWAHARA, P.E.
Deputy Director

DEMM:ss
Enclosure

C: Donald Schmanski, Trustee
Tom Nance
TO: Moriss Atta, Administrator  
Land Division  

FROM: Ken C. Kawahara, P.E., Deputy Director  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation/Pump Installation permit Application  
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09), TMK (4) 2-4-007:004

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008.** 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 Denise Mills of the Commission staff at 587-0251.

DM: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. _____________.

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

[ ] No objections

[ ] Other comments: **Original source of private title is Land Commission Award 7714-B:6 issued between 1845 and 1855.**

Contact Person: Gary Martin  
Phone: 587-0421

Signed: Gary Martin  
Date: ____________
MEMORANDUM

TO: Ken C. Kawahara, Deputy Director
Commission on Water Resource Management

FROM: Nancy A. McMahon, Deputy Administrator
State Historic Preservation Division

Subject: The well locations appear to be in an area that has been used as pasture land, or agriculture. The construction of the well will impact only a very small area, therefore, we concur with "no historic properties effected".

\checkmark

c: Denise Mills, DLNR, Water Resources Commission Staff
MEMORANDUM

TO: Ken C. Kawahara, Deputy Director  
Commission on Water Resource Management

FROM: Nancy A. McMahon, Deputy Administrator, State Historic Preservation Division

Subject: Chapter 6E-42 Review of Well Construction/Pump Installation Permit  
Application, Brydswood Nos. 1 And 2 (Well No. 5631-03 and -09)  
TMK: (4) 2-4-007:004

The well locations appear to be in an area that has been used as pasture land, or agriculture. The construction of the well will impact only a very small area, therefore, we concur with “no historic properties effected”.

c: Denise Mills, DLNR, Water Resources Commission Staff
| FROM: Denise | DATE: 10/24/08 | SUSPENSE DATE: |
| TO: CHENG, C. | INIT: | TO: KUNIMURA, I. | INIT: |
| CHING, F. | INIT: | LEROUX, E. |
| CHONG, R. | INIT: 5 | MILLS, D. |
| DANBARA, S. | INIT: 4 | OHYE, L. |
| ENGLAND, D. | INIT: 4 | OHYE, M. |
| FUJII, N. | | OSHIRO, K. |
| HARDY, R. | INIT: 3 | SAKODA, E. |
| HOAGBIN, S. | INIT: 2 | SWANSON, S. |
| ICE, C. | | TORRES, R. |
| IMATA, R. | | UYENO, D. |
| KAWAHARA, K. | INIT: | YODA, K. |
| KIMURA, J. | | YOSHINAGA, M. |

Brydewood 152 (5631-03 and 09)
TO: Honorable Chiyome L. Fukuno, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoana, Office of Hazard Evaluation and Emergency Response

FROM: Laura H. Thelen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

DM: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 have 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, 11-20-20-29.

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 potable water should test for bacteriological and chemical presence before上市 and routinely monitor the water quality thereafter. However, if future plans to use this meter 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 properly maintained 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.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: Richard Palmer
Phone: 586-0757

Signed: Richard Palmer

Date: 8/17/08

9/1/08
Mr. Ian Costa, Director
Planning Department
County of Kauai
4444 Rice Street, Ste. A473
Lihue, Hawaii 96766

Dear Mr. Costa:

Special Management Area Use Permit Requirements for
Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the SMA permitting requirements specific to your division. Please respond by returning this cover memo form by October 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

Sincerely,

[Signature]

Laura H. Thielen
Chairperson
DATE: 10/2/08

TO: CWRM

CC:

CHAIRPERSON  DOFAW
DEPUTY DIRECTOR  ENG.
DEPUTY WATER  FISCAL
ATG/LAND TRANS.  KIRC
BOC  LAND
CWRM  OCCL
DAR  PARKS
DATA  PERSONNEL
DOBOR  PIO
DOCARE  SHPD

COMMENTS/REMARKS: charley

TRACK (if circled)

ACTION APPROVED BY:

ACTION:

Draft reply for my signature*
Direct reply – copy to me*
Investigate - reply to me*
Update/comment – reply to me*
For your information/faces
Distribute to office staff
Other (see below comments)

*For tracking purposes, please refer to log number
October 1, 2008

TO: Laura H. Thielen, Chairperson
   Commission on Water Resource Management
   Department of Land and Natural Resources

FROM: Orlando Davidson, Executive Officer

SUBJECT: Well Construction/Pump Installation Permit Application
   Brydeswood Nos. 1 and 2 (Well No. 5631-03 and 09)
   Tax Map Key: 2-4-07: 4

We are in receipt of the subject application forwarded by your transmittal dated September 19, 2008.

Based on the location of the proposed Brydeswood Well Nos. 1 and 2 on the USGS map, we find that the site is located within the State Land Use Agricultural District.

Thank you for the opportunity to comment on the subject application. As requested, we are returning the cover memo for the subject application.

Please feel free to contact Bert Saruwatari of my office at 587-3822 should you require clarification or any further assistance.

Enclosure
September 19, 2008

TO: Mr. Dan Davidson, Executive Officer  
Land Use Commission

FROM: Laura H. Thielen, Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application  
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09), TMK (4) 2-4-007:004

We would appreciate your review of the proposed well described in the attached application that appears to be near a conservation district. Specifically, we request that you confirm inform us of the current state land use designation for the location of the well in the TMK parcel, or portion thereof. Please respond by returning this cover memo along with your review comments by October 20, 2008, which is the legal deadline for objections.

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Denise Mills at 587-0251.

DM:ss
Attachment(s)

Response:

( ) Is in the conservation district
( ) Is not in the conservation district
( ) Only comments attached

Contact person: BERT KARUSAWATARI  
Phone: 587-3821

Signed: BERT KARUSAWATARI  
Date: Sept. 29, 2008
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

FROM: Laura H. Thielen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

DM:ss
Attachment(s)

RESPONSE: [No remarks]

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 would require Director of Health approval under Title 11, Chapter 10, Rules Relating to Potable Water Systems, §11-10-29.

[ ] 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 less than 15 service connections) and if the well water is used for drinking, the private owner should test for bacteriological and chemical presence before intake and routinely monitor the water quality thereafter. However, if future plans are used from this source to meet the public water system definition then Director of Health approval is required.

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

[ ] If the well is not located near the populated well site information (information attached).

[ ] An NDWDS permit is required.

[ ] Other relevant DGNH regulations, information, or recommendations are attached.

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections.

Contact Person: [Name]
Phone: [Number]
Signed: [Signature]
Date: [Date]

STATE OF HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 2677
HONOLULU, HAWAII 96802

September 19, 2008
CWRM Application Source: Brydeswood Nos. 1 and 2
(Well Nos. 5631-03 and -09)

Safe Drinking Water Branch Engineering Section

This well qualifies as a source that serves a regulated public water system. Federal and state regulations define a public water system as a system that serves 25 or more individuals at least 60 days per year or has at least 15 service connections. All public water system owners and operators are required to comply with Hawaii Administrative Rules, Title 11, Chapter 20, Rules Relating to Potable Water Systems.

All new public water systems are required to demonstrate and meet minimum capacity requirements prior to their establishment. This requirement involves demonstration that the system will have satisfactory technical, managerial and financial capacity to enable the system to comply with safe drinking water standards and requirements.

Projects that propose development of new sources of potable water serving or proposed to serve a public water system must comply with the terms of HAR 11-20-29. This section requires that all new public water system sources be approved by the Director of Health prior to its use. Such approval is based primarily upon the submission of a satisfactory engineering report which addresses the requirements set in Section 11-20-29.

The engineering report must identify all potential sources of contamination and evaluate alternative control measures which could be implemented to reduce or eliminate the potential for contamination, including treatment of the water source. In addition, water quality analyses for all regulated contaminants, performed by a laboratory certified by the State Laboratories Division of the state of Hawaii, must be submitted as part of the report to demonstrate compliance with all drinking water standards. Additional parameters may be required by the Director for this submittal or additional tests required upon his or her review of the information submitted.

All public water system sources must undergo a source water assessment which will delineate a source water protection area. This process is preliminary to the creation of a source water protection plan for that source and activities which will take place to protect the drinking water source.

CWRM Well Application Standard Comments (SDWB)
Vers. 6/1/07
Projects proposing to develop new public water systems or proposing substantial modifications to existing public water systems must receive approval by the Director of Health prior to construction of the proposed system or modification. These projects include treatment, storage and distribution systems of public water systems. The approval authority for projects owned and operated by a County Board or Department of Water or Water Supply has been delegated to them.

All public water systems must be operated by certified distribution system and water treatment plant operators as defined by Hawaii Administrative Rules, Title 11, Chapter 11-25 titled; Rules Pertaining to Certification of Public Water System Operators.

All projects which propose the use of dual water systems or the use of a non-potable water system in proximity to an existing potable water system to meet irrigation or other needs must be carefully design and operate these systems to prevent the cross-connection of these systems and prevent the possibility of backflow of water from the non-potable system to the potable system. The two systems must be clearly labeled and physically separated by air gaps or reduced pressure principle backflow prevention devices to avoid contaminating the potable water supply. In addition backflow devices must be tested periodically to assure their proper operation. Further, all non-potable spigots and irrigated areas should be clearly labeled with warning signs to prevent the inadvertent consumption on non-potable water. Compliance with Hawaii Administrative Rules, Title 11, Chapter 11-21 titled; Cross-Connection and Backflow Control is also required.

All projects which propose the establishment of a potentially contaminating activity (as identified in the Hawai‘i Source Water Assessment Plan) within the source water protection area of an existing source of water for a public water supply should address this potential and activities that will be implemented to prevent or reduce the potential for contamination of the drinking water source.

For further information concerning the application of capacity, new source approval, operator certification, source water assessment, backflow/cross-connection prevention or other regulated public water system programs, please contact the Safe Drinking Water Branch Engineering Section at 586-4258.

Underground Injection Control (UIC)

No comments on this application.

CWRM Well Application Standard Comments (SDWB)
Vers. 6/1/07
Subject: Well Construction/Pump Installation Permit Application(s)

The Department of Health, Clean Water Branch (CWB) 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 (HAR), Title 11, Chapter 55, Appendix I, effective October 22, 2007. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewater, and well purge wastewater. This general permit does not cover well pump testing. The applicable Notice of Intent (NOI) Forms and filing fee shall be submitted at least 30 calendar days before the start of discharge to the:

Department of Health
Clean Water Branch
919 Ala Moana Boulevard, Room 301
Honolulu, Hawaii 96814-4920

The CWB-NOI Forms are available online at
http://www.hawaii.gov/health/environmental/water/cleanwater/forms/genl-index.html
Inquiries may be directed to the CWB at (808) 586-4309 or by fax (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 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 the 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.
3. For Construction Activities Disturbing One (1) or More Acres of Total Land Area

By HAR, Title 11, Chapter 55, Appendix C, effective October 22, 2007, an NPDES permit or Notice of General Permit Coverage is required before the start of the construction activities that result in the disturbance of one (1) or more acres of total land area, including clearing, grading, and excavation. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NOI (see Comment No. 1, above) shall be submitted 30 calendar days before to the start of construction activities.
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Tomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alex Wong, Chief, Clean Water Branch
Dr. Keith Kawakoa, Office of Hazard Evaluation and Emergency Response

FROM: Laura H. Thielen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Shops at Koloa Town Well (Well No. 5427-04) TMK (4) 2-6-004-003

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 September 29, 2008. 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 Denise Mills of the Commission staff at 587-0235.

DM: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 must test for bacteriological and chemical presence before initial use and routinely monitor the water quality thereafter. However, if future plans include the use of this source 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, the user shall eliminate cross-connections and backflow prevention, by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-potable systems with warning signs to prevent inadvertent consumption of non-potable water. Backflow prevention devices should be routinely inspected and tested.

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

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

[ ] As NPDES permit is required.

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

In the event that the location of the well changes but is still within the parcel described on the application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: [ ]
Phone: [ ]

 Signed: [ ]
Date: 9.29.08

SEP-29-2008 01:50PM FAX: 8085864352 ID: DLNR CWRM PAGE: 003 R=97%
TO: Honorable Chiyome L. Fukino, M.D., Director  
Department of Health  
Attention: Director's Office  
Tomas See, Chief, Wastewater Branch  
Stuart Yamada, Chief, Safe Drinking Water Branch  
Alec Wong, Chief, Clean Water Branch  
Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response  

FROM: Laura H. Thelen, Chairperson  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application  
Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -04)  

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.  

DM: ss  
Attachment(s)  

RESPONSE:  

[ ] This 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 the 15 or more service connections) and meet relevant Director of Health approved rules to an extent 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, 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 meet for bacteriological and chemical presence before installing such use and routinely monitor the water quality thereafter. However, if future planned use from this source increases to meet the public water system definition then Director of Health approval is required prior to implementation.  

[ ] If the well is used to supply both portable and non-portable purposes in single system, the user shall eliminate cross-contamination and backflow preventers by physically separating portable and non-portable systems by an air gap or an approved backflow preventer, and by clearly labeling all non-portable spigots with warning signs to prevent inadvertent consumption of non-portable 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 | | | | located near the proposed well site (information attached)  

[ ] An NPDES permit is required.  

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

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.  

[ ] No comments/attached docs  

Contact Person:  
Signed:  

Phone: 584-4303  
Date: 9.25.08  
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
P.O. BOX 621  
HONOLULU, HAWAII 96809  

September 19, 2008  

Laura H. Thelen, Chairperson  
Commission on Water Resource Management  

Meredith J. Ching  
James A. Frazier  
Neal S. Fujikawa  
Chiyoue L. Fukino  
Donna Fay  
Kiyoshi, P.E.  
Lawrence H. Nire, M.D., J.D.  
Ken C. Kawahara, Jr.  
Deputy Director  

Larry A. Nagami, Deputy Director  
Commission on Water Resource Management  

Linda Lingle  
Commission on Water Resource Management  

Morgan, Chief, Wastewater Branch  
Stuart Yamada, Chief, Safe Drinking Water Branch  
Alec Wong, Chief, Clean Water Branch  

Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response  

Contact Person:  
Signed:  

Phone: 584-4303  
Date: 9.25.08  

LAU H. THELE Al JazeER  
MEO WERED J. CHING  
JAMES A. FRAZIER  
NEAL S. FUJIKAWA  
CHIYOME L. FUKINO  
DONNA FAY  
KIYOSHI, P.E.  
LAWRENCE H. NIRE, M.D., J.D.  
KEN C. KAWAHARA, Jr.  
DEPUTY DIRECTOR  

Larry A. Nagami, Deputy Director  
Commission on Water Resource Management  

Linda Lingle, Chairperson  
Commission on Water Resource Management  

Morgan, Chief, Wastewater Branch  
Stuart Yamada, Chief, Safe Drinking Water Branch  
Alec Wong, Chief, Clean Water Branch  

Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response  

Contact Person:  
Signed:  

Phone: 584-4303  
Date: 9.25.08  

LAU H. THELE Al JazeER  
MEO WERED J. CHING  
JAMES A. FRAZIER  
NEAL S. FUJIKAWA  
CHIYOME L. FUKINO  
DONNA FAY  
KIYOSHI, P.E.  
LAWRENCE H. NIRE, M.D., J.D.  
KEN C. KAWAHARA, Jr.  
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Larry A. Nagami, Deputy Director  
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Linda Lingle, Chairperson  
Commission on Water Resource Management  

Morgan, Chief, Wastewater Branch  
Stuart Yamada, Chief, Safe Drinking Water Branch  
Alec Wong, Chief, Clean Water Branch  

Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response  

Contact Person:  
Signed:  

Phone: 584-4303  
Date: 9.25.08
Please find enclosed the application of the above subject project.
TO: Honorable Chiyome L. Fukino, M.D., Director
Attention: Director's Office
Thomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoaka, Office of Hazard Evaluation and Emergency Response

FROM: Laura H. Thielen, Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

DM: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 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 by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and clearly label 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.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: Lori Vetter on Kauai
Contact Number: 241-3323
Date: 9-30-08

LINDA LINGLE
GOVERNOR OF HAWAII

SEP 25 AM 8 15

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

September 19, 2008

Laura H. Thielen, Chairperson
Commission on Water Resource Management

TO: Honorable Chiyome L. Fukino, M.D., Director
Attention: Director's Office
Thomas See, Chief, Wastewater Branch
Stuart Yamada, Chief, Safe Drinking Water Branch
Alec Wong, Chief, Clean Water Branch
Dr. Keith Kawaoaka, Office of Hazard Evaluation and Emergency Response

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

DM: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 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 by physically separating potable and non-potable systems by an air gap or an approved backflow preventer, and clearly label 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.

In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections

Contact Person: Lori Vetter on Kauai
Contact Number: 241-3323
Date: 9-30-08
COMMISSION ON WATER RESOURCE MANAGEMENT

ROUTE SLIP FOR NEW APPLICATIONS

FROM: DENISE
DATE: 12-Sep-08
SUSPENSE DATE: 19-Sep-08

TO: CHING, F. INIT TO: KUNIMURA, I. INIT FOR: Approval
FUJII, N. Mills, D. 1 Approval
GOODING, K. NAKAMA, L. 3 Signature
HARDY, R. OHYE, M. 4 Information
HIGA, D. SAKODA, E.
HOAGBIN, S. SWANSON, S.
ICE, C. UYENO, D.
IMATA, R. YODA, K.
KAWAHARA, K. YOSHINAGA, M.

PLEASE:
1 Approval
See Me
1 Review & Comment
Type Final, label file folder, update People.db
Take Action
2 Type Draft acknow letter
File
3 Xerox copies

WELL NUMBER 5631-03 & 2?
WELL NAME Brydeswood 1 & 2
WUP Number

WELL CONSTRUCTION
PUMP INSTALLATION
WUPA

✓ ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 PERMIT PROCESS TABLE
3 CWRM MAP
4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNER VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN
10 BACKGROUND CHECK
11 $25 FEE DEPOSIT SLIP
12 DHP/CDUP/SMA pre-screen

(SMA map printout http://gis.hicentral.com/website/parcelzoning/viewer.htm, or INGRID'S SMA/CD MAP)
(LUC map printout http://luc.state.hi.us/luc_maps.htm, or INGRID'S SMA/CD MAP)

FOLDER: MADE NEW FILE FOLDER, ATTACHED - 5631-03 Brydeswood 2
FILE FOLDER ALREADY MADE, IN FILE CABINET 2631-03 Brydeswood 1

INCOMPLETE ACTION DATES:

DATE ACTION
9/15/08 on - need to cancel earlier permit for 5631-03 (sub action)
9/15/08 on 5631-03: Verify proposed pump rate, need pump installer signature for COP

Accept on 9/15 - Telman w/ Tim Name to correct proposed pump capacity.
Mr. James Hasenyager
A&B Properties, Inc.
P.O. Box 178
Elelele, HI 96705

Dear Mr. Hasenyager:

Well Construction/Pump Installation Permit Application for Well No. 5631-03 and -09

We acknowledge receipt, on September 15, 2008, of the Well Construction/Pump Installation permit application and filing fee for the Brydeswood wells 1 and 2 (Well No. 5631-03 and -09). The portion of the application covering well construction is complete and we have accepted it for processing; however, section 25 of the application, pertaining to pump installation, are incomplete. Applications are required to be made by a qualified contractor with a valid and active C-57, C-57a or A license, and who you retain to perform the work, in accordance with the State Water Code, HRS § 174C-84(a). Because you have not identified a qualified pump installation contractor for your project, your application for pump installation cannot be accepted as complete until your selected contractor signs section 25 of the application form. Regardless, we will begin processing your incomplete application for interagency review.

If at the conclusion of the agency review, we determine that a pump installation permit should be issued, we will send you a letter of assurance in lieu of the required permit. The letter of assurance will state our intention to issue your pump installation permit after an appropriately licensed contractor signs the application and the following conditions are met: (a) the contractor has no outstanding issues with the Commission; (b) there have been no significant changes to the application or project scope; (c) there have been no significant changes to applicable laws, rules or regulations; and (d) there have been no significant changes to hydrologic conditions at the project site.

If you have any questions about your permit application, please contact Denise Mills of the Commission staff at 587-0251 or toll-free from Kauai at 274-3141, extension 70251.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

DM:ss

c: Donald Schmanski, Trustee
   Tom Nance
   Oasis Water Systems, Inc.
September 19, 2008

Mr. Barry Simmons
Oasis Water Systems, Inc.
P.O. Box 507
Hanalei, HI 96714

Dear Mr. Simmons:

Well Construction Permit Application for Well Nos. 5631-03 and -09

We acknowledge receipt, on September 15, 2008, of your completed Well Construction permit application and filing fee for the Brydeswood wells 1 and 2 (Well No. 5631-03 and -09). You can expect your application to be processed within ninety (90) days from this date. For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By copy of this acceptance letter to the well operator and landowner, we are providing notification that upon completion of the work required under the permit, we will issue a certificate of well completion to the landowner and well operator, which will transfer all responsibilities associated with the use and maintenance of the wells to the landowner and operator. Until that time, you will be responsible for complying with all conditions of the well construction permit. By this letter, we are also providing notice to the landowner and/or well operator that water may not be pumped from the subject wells for purposes other than testing, as defined in the Hawaii Well Construction & Pump Installation Standards (2004) until certificate of well construction and pump installation completion letters have been issued by the Commission to the well operator and landowner.

If you have any questions about your permit application, please contact Denise Mills of the Commission staff at 587-0251 or toll-free from Kauai at 274-3141, extension 70251.

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

DM:ss
Attachment

Donald W. and Sarah A. Schmanski, Trustees
Tom Nance
TO:  Honorable Chiyome L. Fukino, M.D., Director
     Department of Health
     Attention:  Director’s Office
     Tomas See, Chief, Wastewater Branch
     Stuart Yamada, Chief, Safe Drinking Water Branch
     Alec Wong, Chief, Clean Water Branch
     Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

FROM:  Laura H. Thielen, Chairperson
        Commission on Water Resource Management

SUBJECT:  Well Construction/Pump Installation/Pump Installation Permit Application
          Brydeswood Nos. 1 and 2 (Well Nos. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 Denise Mills of the Commission staff at 587-0251.

DM: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.

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
TO: Morris Atta, Administrator  
Land Division  

FROM: Ken C. Kawahara, P.E., Deputy Director  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application  
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09), TMK (4) 2-4-007:004  

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008.** 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 Denise Mills of the Commission staff at 587-0251.  

DM: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. ___________________________.  

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

[ ] No objections  

[ ] Other comments:  

Contact Person: ___________________________ Phone: ______________  

Signed: ___________________________ Date: ______________
TO: Dr. Puaalaokalani Aiu, Administrator
Historic Preservation

FROM: Ken C. Kawahara, P.E., Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09) TMK: (4) 2-4-007:004

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/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 20, 2008. 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 or request additional review time, please contact Denise Mills of the Commission staff at 587-0251. If you require additional information regarding specific information that can be provided by the applicant, please contact the applicant directly at the contact information provided on the application form.

DM:ss
Attachment(s)

RESPONSE:
[ ] This is a [ ] public (county or state) project [ ] private project and [ ] will [ ] may disturb historic sites.

[ ] We concur that the work described under this permit will not disturb historic sites.

[ ] We do not concur that the work described under this permit will not disturb historic sites. We require the following for our concurrence:

Contact Person: ___________________________ Phone: ______________
Signed: ___________________________ Date: ______________
September 19, 2008

TO:  Mr. Dan Davidson, Executive Officer  
     Land Use Commission

FROM: Laura H. Thielen, Chairperson  
      Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation/Pump Installation Permit Application  
         Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09), TMK (4) 2-4-007:004

We would appreciate your review of the proposed well described in the attached application that appears to be near a conservation district. Specifically, we request that you confirm inform us of the current state land use designation for the location of the well in the TMK parcel, or portion thereof. **Please respond by returning this cover memo along with your review comments by October 20, 2008, which is the legal deadline for objections.**

If you have any questions, require additional information, or would like to request an extension of the review period for this application, please contact Denise Mills at 587-0251.

DM:ss  
Attachment(s)

Response:

( ) Is in the conservation district  
( ) Is not in the conservation district  
( ) Only comments attached

Contact person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
Mr. Ian Costa, Director  
Planning Department  
County of Kauai  
4444 Rice Street, Ste. A473  
Lihue, Hawaii 96766  

Dear Mr. Costa:

Special Management Area Use Permit Requirements for  
Well Construction/Pump Installation/Pump Installation Permit Application  
Brydeswood Nos. 1 and 2 (Well No. 5631-03 and -09)

Transmitted for your review and comment is a copy of the captioned Well Construction/Pump Installation/Pump Installation permit application.

We would appreciate your comments on the captioned application with regard to the SMA permitting requirements specific to your division. **Please respond by returning this cover memo form by October 20, 2008.** 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 Denise Mills of the Commission staff at 587-0251.

Sincerely,

Laura H. ThieLEN  
Chairperson

DM:ss  
Attachment

RESPONSE:

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________ Phone: ____________

Signed: ___________________ Date: ____________
September 17, 2008

Mr. Blaise Clay
Water Resources International, Inc.
P.O. Box 44520
Kamuela, HI 96743

Dear Mr. Clay:

Cancellation of Well Construction Permit
Well No. 5631-03 TMK (4) 2-4-007:004

This is notice that your Well Construction Permit for the Brydeswood 1 Well (Well No. 5631-03) on Kauai has been cancelled and is no longer valid, effective on September 15, 2008. We understand that the original plans for the project have changed since we issued the permit in February 2007, and that Water Resources International no longer has a drilling rig on Kauai. We also understand that your client, A&B Properties, Inc., has changed the scope of work and will retain another drilling contractor, located on Kauai, to complete the project.

Please be aware that any well construction work that is performed without a valid and active permit is a violation of the state water code and may be subject to fines of up to $5000 per day.

If you have any questions, please contact Denise Mills of the Commission staff at 587-0251.

Sincerely,

[Signature]
KEN C. KAWAHARA, P.E.
Deputy Director

DM:ss

c: James Hasenyager, A&B Properties
   Don Schmanski
   Kauai Department of Water
   Tom Nance
## Well Check Program
### 4/1/04 - Revised for update to Well Standards (February 2004)

### Data Input

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<thead>
<tr>
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<th>5631-03 Kauai</th>
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<tr>
<td>Ground Elevation</td>
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<td>Cement Grout</td>
<td>800</td>
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<tr>
<td>Grouting Method</td>
<td>positive displacement</td>
</tr>
<tr>
<td>Hole Diameter</td>
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<tr>
<td>Total Depth</td>
<td>1080</td>
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<tr>
<td><strong>Depth to Water</strong></td>
<td>970 calculated head</td>
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<td>Public Water Supply Well?</td>
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</tr>
<tr>
<td>Solid Casing Material</td>
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</tr>
<tr>
<td>Solid Casing Specification</td>
<td>ASTM A139</td>
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<tr>
<td>Solid Casing Length</td>
<td>970</td>
</tr>
<tr>
<td>Solid Casing Diameter</td>
<td>14</td>
</tr>
<tr>
<td>Solid Casing Wall Thickness</td>
<td>0.375</td>
</tr>
<tr>
<td>Open Casing Length</td>
<td>110 perf=60', open hole=50'</td>
</tr>
</tbody>
</table>

### Results

#### Well Depth

| Theoretical Thickness of Aquifer | 1640                   |
| 1/4 Aquifer Thickness           | 410                    |
| **Depth of Well below Sea Level**| -70 okay               |

#### Well Casing

| Minimum Wall Thickness          | steel                  |
| Material                       |                        |
| Minimum Thickness per standards | 0.375                  |
| **Wall Thickness Provided**     | 0.375 okay             |
| Minimum Length of Solid Casing  | 873                    |
| 90% of ground to top of aquifer|                        |
| **Length of solid casing Provided**| 970 okay              |
| Casing Material                 | ASTM A139 in compliance|
| (for pvc only - check for 200' limit)| okay                |

#### Annular Space

| Depth of Grouting              | 500                     |
| Calculated Depth of Grouting   |                         |
| **Depth of Grouting provided** | 800 okay                |
| Minimum Annular Space required  | 1.5                    |
| **Thickness of Annular Space** | 3.5 okay                |

**steel**

**stainless steel**
<table>
<thead>
<tr>
<th>Material</th>
<th>Standards</th>
<th>Wall Thicknesses</th>
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<tr>
<td>Thermoset Plastic</td>
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<tr>
<td>Other</td>
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<tr>
<td>Steel</td>
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<td>0.375</td>
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<td></td>
<td>API Spec. 5L</td>
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<td></td>
<td>ASTM A53</td>
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<td></td>
<td>ASTM A139</td>
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<td>ASTM A606</td>
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<tr>
<td>Minimum Annular Space required</td>
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<tr>
<td>Thickness of Annular Space</td>
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<p>| yes                                          |
| no                                           |
| steel                                         |
| stainless steel                               |</p>
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<tr>
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<td>ABS plastic</td>
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<td>Subdiv/Condo</td>
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<tr>
<td>4-2-4-7-4</td>
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<td>F</td>
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</table>

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
PUBLIC RECORD DATA

TMK # 4-2-4-7-4

Owner: A & B - HAWAII INC
Tax Payer: A & B - HAWAII INC
Tax Bill: P O BOX 156, KAHLULUI, HI 96732 USA

Assessed Value

<table>
<thead>
<tr>
<th>Exemption</th>
<th>Size</th>
<th>Buildings: 2</th>
<th>Subdivision: Wahiawa/Koloa</th>
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</thead>
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<tr>
<td>$1,892,100</td>
<td>$0</td>
<td>317.33 ac</td>
<td></td>
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<tr>
<td>Total</td>
<td>$384,200</td>
<td>4,236 sq ft</td>
<td></td>
</tr>
</tbody>
</table>

Total: $2,276,300 | $120,000

Tenure: Fee Simple

Zoning: A

PITT Code: 800 - Unimproved Residential/Homestead

Land Use:

Census Tract: 407.00

SALES

9/29/2006 DEED

BRYDESWOOD S/D PH I: LOT 1 = 317.334 ACS

SCHMANSKI SR, DONALD W, Trustee(Family Trust)
SCHMANSKI, SARAH A, Trustee(Family Trust)

*THE SCHMANSKI FAMILY 1994 TRUST, PURSUAN TO
*THAT CERTAIN REVOCABLE LIVING TRUST AGREEMENT
*DATED AUGUST 4, 1994

RESIDENTIAL BUILDING DETAILS

<table>
<thead>
<tr>
<th>TMK # 4-2-4-7-4</th>
<th>Bldg 1 of 2</th>
<th>Card 1 of 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year Built: 1860</td>
<td>Style: Ranch</td>
<td>Bldg Quality: ()</td>
</tr>
<tr>
<td>Effective year built: 1959</td>
<td>Shape: Irregular</td>
<td>Occupancy: Single-family</td>
</tr>
<tr>
<td>Physical condition: Average</td>
<td>Roof Structure: Wood</td>
<td>Framing: Masonry</td>
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<tr>
<td>Cost &amp; Design Factor:</td>
<td>Roof Material: Shakes</td>
<td>Exterior Wall: Stone/Rock</td>
</tr>
<tr>
<td>Economic Factor:</td>
<td>Roof Design: Hip</td>
<td>Interior Wall Structure: Single wall</td>
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<tr>
<td>Percent complete: 100%</td>
<td>Foundation: Concrete</td>
<td>Interior Wall Material: Wood</td>
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<tr>
<td>Building value: $384,200</td>
<td>Central AC/Heat:</td>
<td>Flooring: Pine</td>
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<td>Attic:</td>
<td>Basement: None</td>
<td>Floor Construction: Wood joist</td>
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<td>Pool: None</td>
<td>Ceiling: Canec</td>
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FLOOR AREAS

<table>
<thead>
<tr>
<th>Rooms</th>
<th>Baths</th>
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<tr>
<td>LLFA</td>
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<td>1st Story</td>
<td>5</td>
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<td>2nd Story</td>
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<td>Half Story</td>
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<tr>
<td>Total SPLA</td>
<td>1</td>
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<td>Basement</td>
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http://webre1.hawaiiinformation.com/REsearch/Base/Lib/ActionMenuPrintModal.htm 9/15/2008
### RESIDENTIAL BUILDING ADDITIONS

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<th>#</th>
<th>Lower Level</th>
<th>1st Story</th>
<th>2nd Story</th>
<th>3rd Story</th>
<th>Area</th>
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<td></td>
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<td>3,542.00</td>
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<td>B</td>
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http://webre1.hawaiiinformation.com/REsearch/Base/Lib/ActionMenuPrintModal.htm 9/15/2008
<table>
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<tr>
<th>FLOOR AREAS</th>
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<td>Building value: $384,200</td>
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<td>Attic: None</td>
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<tr>
<th>Bldg 2 of 2</th>
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<tr>
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<td>Roof Material: Corr Iron</td>
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http://webre1.hawaiiinformation.com/REsearch/Base/Lib/ActionMenuPrintModal.htm 9/15/2008
RESIDENTIAL BUILDING ADDITIONS

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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.
## Professional and Vocational Licensing (PVL) Search - General Licensee

<table>
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<tr>
<th>GENERAL LICENSEE</th>
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<tr>
<td>LIC ID: CT-21457</td>
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<tr>
<td>NAME: OASIS WATER SYSTEMS INC</td>
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<td>TRADE NAME:</td>
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<td>STATUS: CURRENT, VALID &amp; IN GOOD STANDING</td>
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<td>CONDITIONS AND LIMITATIONS:</td>
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<tr>
<td>BUSINESS ADDR:</td>
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<tr>
<td>MAILING ADDR: P O BOX 507 HANALEI HI 96714</td>
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Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808) 587-3295.

License information on this site reflects information in the Professional and Vocational Licensing Division as of September 15, 2008; however, applications and forms are subject to standard processing time, and the information here does not reflect pending changes which are being reviewed. The site is updated daily, Monday through Friday, except holidays. The State of Hawaii makes no guarantees as to the accuracy of the information accessed, the timeliness of the delivery of transactions, delivery to the correct party, preservation of the privacy and security of users and makes no warranties, including warranty of merchantability and fitness for particular purpose. User is advised that if the information obtained herein is to be reasonably relied upon, user should confirm the accuracy of such information with the provider thereof.

http://pvl.ehawaii.gov/pvlsearch/app?_a=d&_f=n&lictp=CT&licno=21457&off=&nm=OA... 9/15/2008
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**REMARKS:**
- LINE (1) Brydeswood No. 1
- LINE (2)
- LINE (3)
- LINE (4)
- LINE (5)
- LINE (6)
- LINE (7)
- LINE (8)
- LINE (9)
- LINE (10)
Dear Mr. Kawahara:

Attached are two well construction permit applications and filing fee for Brydeswood Well Nos. 1 and 2 to supply A&B’s Brydeswood Agricultural Subdivision in Kalaheo, Kauai. An application was originally submitted in November 2006 for Well 1 only. The application for this well was approved on February 10, 2007 and the well was assigned State No. 5631-03. At that time, the drilling contractor was going to be Water Resources International, Inc. (WRI). However, the start of the project was delayed, WRI no longer has a drilling rig on Kauai, and the decision to construct two wells rather than one was made by A&B. Accordingly, two applications with Oasis Water Systems as the drilling contractor are being submitted.

If you have any questions or need additional information, feel free to call me or James Hasenyager of A&B Properties (808-335-5826 or 808-651-6769). Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc: James Hasenyager - A&B Properties
    Barry Simmons - Oasis Water Systems

Attachments
For Official Use Only:

DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 877-622-5. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/divs.

WELL LOCATION INFORMATION

1. STATE WELLNO. (if already assigned): 5631 - 03
2. WELL NAME: Brydewood No. 1
3. ISLAND: Kauai
4. TMK: 2 0 4 07 004

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quadrat map
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For dug wells, attach a grading plan with cross section profiles showing existing and final grades

5. WELL OPERATOR'S NAME/COMPANY: A&B Properties, Inc.
6. WELL OPERATOR'S MAILING ADDRESS: P. O. Box 178
   Eleele, Hawaii 96705

7. PROPOSED WELL CONSTRUCTION

- Drilled
- Shaft
- Tunnel
- Modified Existing Well
- Abandon/Seal Well

8. Construction Type

9. Is this well part of a battery of wells? Yes □ No □

10. Proposed Work
- Construct New Well
- Replace Pump
- Install New Pump

11. Proposed Pumping Rate, gpm (gallons per minute)

- 750,000

12. Proposed Amount of Withdrawal, gpd (gallons per day)

- 700,000

13. Method of flow measurement
   - Other (explain)

14. Proposed Surveyor name and license number (a surveyor is required for all Well Construction Permits and may be required for some Pump Installation Permits)

15. Municipal (water systems serving greater than 25 individuals or 15 service connections)

16. Domestic: Number of units to be served:

17. Industrial (describe)

18. Irrigation (describe crop and no. of acres)

19. Military (describe)

20. Other (describe)

OTHER LEGAL REQUIREMENTS

21. Conservation District Use Permit (CDUP)
- Required, CDUP # date approved
- Required, but not CDUP
- Required, but not CDUP

22. Special Management Area Permit (SMAP)
- Required, SMA # date approved
- Required, but not SMA

23. State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources
- Required, but not SHPD
- Required, SHPD

Signature
Print Date

License business name
Barry Simmons
C-67 License No.
8-29-08

License business name
C-57C-57/A License No.

Print Date

WP Application Form 02/26/2007
For non-salt water Basal Wells - bottom elevation of well components shall be submitted in the form of application filing. Final elevations of well components shall be referenced to a benchmark which has been established by a surveyor licensed by the State. 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. 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. The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. 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The Wells Would Be Located Beyond this Vegetative Growth (Primarily Bamboo)
The following must be attached before this application is accepted complete:

- Portion of 7.5-Minute Series USGS topographic map (paper 1:24,000) with well location labeled and include the name of the quad map
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For dug wells, attach a grading plan with cross section profiles showing existing and finish grades

### WELL LOCATION INFORMATION

1. STATE WELL NO. (if already assigned)

2. WELL NAME

Brydwood No. 2

3. ISLAND

Kauai

4. TMK

2 4 07

004

The signatories understand that upon permit approval:

1) The proposed work is to be completed within two (2) years of the approval date; 2) the Contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought to compliance, and any work done while the permit is in suspension may result in fines of up to $500 per day.

To obtain a Construction Permit, a surveyor is required for all Wells Construction Permits and may be required for some Pump Installation Permits. Ron Casuga / Tel. 808-245-9591 / Surveyor's License No. 4332 Kodani & Associates, Inc. / 3126 Akahi Street / Lihue, Hawaii 96766

**PROPOSED WELL CONSTRUCTION**

7. Proposed Work

- Construct New Well
- Modify Existing Well
- Abandon/Seal Well

8. Construction Type

- Drilled
- Dug
- Shaft
- Tunnel

10. Proposed Work

- Install New Pump
- Replace Pump

11. Proposed Pumping Rate, gpm (gallons per minute)

12. Proposed Amount of Withdrawal, gpd (gallons per day)

13. Method of flow measurement

- Flowmeter
- Other (explain)

9. Is this well part of a battery of wells?

☐ Yes ☐ No

14. Additional remarks, explanations, etc.

For further information and updates to this application, visit http://www.hawaii.gov/dlnr/wrm.

### PROPOSED PUMP INSTALLATION

14. Applicant Surveyor’s name (a surveyor is required for all license number (a surveyor is required for all pump installations necessary to enter the proposed pump in order for the Commission to consider the application. For Official Use Only:

- 09 06-64

- 09 06-64

- 09 06-64

### OTHER LEGAL REQUIREMENTS

- Required, CDUP # date approved
- Not Required, SMA # date approved
- Not Required (attach documentation from applicable County agency)
- I have not checked with the County about whether or not an SMA Permit is required. I understand that checking with the County prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.
- I have not checked with the HPD regarding the HPD prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.
- I have not consulted with the HPO regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPO.
- I have not consulted with the HPO regarding potential impacts of well construction activities on historic sites. I understand that checking with the HPD prior to making this application may expedite my review. I further understand that issues raised by this agency may delay or result in denial of the permit issuance, or revocation of the permit after it is issued.

- I have consulted with the HDI regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HDI.

- 96766

- JHaseynager@abprop.com 530-825-2153

- Landowner's E-mail

- Landowner's Phone

- Landowner's Fax

- Landowner's Name/Company

- A&B Properties, Inc.

- P.O. Box 179

- Elleee, Hawaii 96705

- Well Operator's Contact

- James Hassenyager - Project Manager

- Landowner's Contact

- Don Schmanski

- Well Operator’s Mailing Address

- Landowner’s Mailing Address

- 6166 Laurelwood

- Reno, NV 89509

- Well Operator’s Phone

- 808-335-5828

- Well Operator’s Fax

- 808-335-9708

- Well Operator’s E-mail

- jhaseynager@abprop.com

- Landowner’s Phone

- 530-825-2153

- Landowner’s Fax

- Landowner’s E-mail

- don@schmanski.com

### PROPOSED USE

- 16. Domestic

- Number of units to be served:

- 17. Industrial (describe)

- 18. Irrigation (describe crop and no. of acres)

- 19. Military (describe)

- 20. Other (describe)

### STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

COMMISSION ON WATER RESOURCE MANAGEMENT

APPLICATION FOR A WELL CONSTRUCTION / PUMP INSTALLATION PERMIT

For Official Use Only:

- SEP 11 08

- 9-8-08

- 06-64

### Instructions:

Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 887-2225.

If further information and updates to this application, visit http://www.hawaii.gov/dlnr/wrm.

### SIGNATURE

Jan Costa

- Licensees business name

- Morris Attorneys at Law

- Hist. Preservation

- Deadline 10/10/08

- Print

- Date

- Signature

- Print

- Date

- Signature

- Print

- Date
**PROPOSED WELL SECTION**  
(please attach schematic if different from diagram provided below)

**Hole Diameter:** 21 in.

**Elevation at top of casing:** 1012 ft. msl

- **Cement Grout:** 900 ft.  
  (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

- **Rock or Gravel Packing:** None

- **Estimated Water Level Elevation:** 40 ft. msl

**Grouting method:**
- Positive displacement
- Other

**Minimum of 2’ Radius & 4’ Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)**

**Ground Elevation:** 1010 ft. msl

**Solid Casing:** (≥ 90% x (Ground Elev.-Water Level Elev))

- **Total Length:** 670 ft.
- **Nominal Diameter:** 14 in.
- **Wall Thickness:** 0.375 in.
- **Bottom Elevation:** 40 ft. msl

**Open Casing:**
- **Total Length:** 60 ft.
- **Nominal Diameter:** 14 in.
- **Wall Thickness:** 0.3125 in.
- **Bottom Elevation:** -20 ft. msl

**Open Hole:**
- **Length:** 50 ft.
- **Diameter:** 21 in.
- **Bottom Elevation:** -70 ft. msl

---

**Solid Casing Material:**
- **Carbon Steel:** compliant with (check one or more): ANSI/AWWA C200  API Spec. 5L  ASTM A53  ASTM A139
- **Stainless Steel:** (check one): ASTM A403 (production welds)  ASTM A312 (monitor welds)
- **ABS Plastic conforming to ASTM F480 and ASTM D1527:** (check one)  Schedule 40  Schedule 80
- **PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241):** (check one):  Schedule 40  Schedule 80  Schedule 120
- **Thermoset Plastic:** (check one)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

**Open Casing Material:**
- **Carbon Steel:** compliant with (check one or more): ANSI/AWWA C200  API Spec. 5L  ASTM A53  ASTM A139
- **Stainless Steel:** (check one): ASTM A403 (production welds)  ASTM A312 (monitor welds)
- **ABS Plastic conforming to ASTM F480 and ASTM D1527:** (check one)  Schedule 40  Schedule 80
- **PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241):** (check one):  Schedule 40  Schedule 80  Schedule 120
- **Thermoset Plastic:** (check one)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrifugally Cast Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

---

* 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 - 41 x Water Level Elev. / 4)

Example: Estimated + 2 ft. Water Level Elev.  Bottom Elevation of Well Limit = (2 - 81 x 2 / 4) = -18.5 ft.

---

Brydeswood No. 2
The Wells Would be Located Beyond this Vegetative Growth (Primarily Bamboo)
Mr. Charley Ice  
Department of Land & Natural Resources  
Commission on Water Management  
P. O. Box 21  
Honolulu, Hawaii 96809

RE: Brydeswood No. 1 Well No. 5631-03

Dear Mr. Ice:

I represent Mr. Donald Schmanski, who is the owner or TMK 2-4-07:004 located at Wahiawa, Koloa, Island of Kauai, State of Hawaii. We have learned that you may have questions regarding the well being drilled on the Schmanski Property by Valley Well Drilling for Alexander and Baldwin ("A&B") and the water use priority of this well and the other potential wells on the Schmanski Property.

A&B has permission to drill the well on the Schmanski Property and it is anticipated that the well will supply the water for the 26 lot subdivision done by A&B below the Schmanski Property and it is also planned that there will be sufficient water from that well to also supply the approximately 10 farm dwellings which can be located on the Schmanski Property. However, it is possible that additional wells may need to be drilled on the Schmanski Property to serve it. It is anticipated that the A&B well will be drilled first and would have priority provided A&B fulfills it’s agreement to supply sufficient water to the Schmanski Property from that well.
Mr. Charley Ice  
September 5, 2007  
Page 2

I hope that this answers your questions regarding the well and potential wells on the Schmanski Property. If not, please call or write and I will try to answer your questions.

Sincerely,

BAYS DEAVER LUNG ROSE & HOLMA

By: [Signature]
A. Bernard Bays  
Attorney at Law, A Law Corporation  
Its General Counsel

ABB:rt

cc: Donald Schmanski  
Luan Kimmerle  
Valley Well Drilling  
Tom Shigemoto
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

FAX: Transmitting 4 pages, including this one; call 587-0251 with any reception problems.

TO: Tracie Sober
FROM: Charley Ito

Date: 16 Aug 07

Behold: Bynesson 1 Well (5631-03)!

Because it's right there in the Makali'i project, what's the priority, etc.?
FAX: Transmitting 4 pages, including this one; call 587-0251 with any reception problems.

TO: Tracie Saber

FROM: Charley Ice

Date: 16 Aug 07

Behold: Brydeswood 1 Well (5631-03)!

Because it's right there in the Makalii project, what's the priority, etc.?
February 8, 2007

Dean Nakano, Acting Deputy Director  
Commission on Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809

Dear Mr. Nakano:

SUBJECT: Chapter 6E-8- Historic Preservation Review – Well Construction/Pump Installation Permit  
Bryeswood No. 1 Well (Well No. 5631-03)  
Wahiawa, Koloa District, Island of Kauai  
TMK: (4) 2-4-07: 004

The aforementioned permit is for a well and pump.

We believe that “no historic properties will be affected,” because:

☒ Intensive cultivation has altered the land
☒ Residential development/urbanization has altered the land
☒ Previous grubbing/grading has altered the land
☐ An accepted archaeological inventory survey (AIS) found no historic properties
☐ SHPD previously reviewed this project and mitigation has been completed
☐ Other:

In the event that historic resources, including human skeletal remains, are identified during routine construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional disturbance, and the State Historic Preservation Division, Kauai Section, needs to be contacted immediately at (808) 742-7033.

Aloha,

Melanie Chinen, Administrator  
State Historic Preservation Division

NM:jen

602 1768
February 12, 2007

Mr. Blaise Clay
Water Resources International, Inc.
P.O. Box 44520
Kamuela, HI 96743

Dear Mr. Clay:

Well Construction Permit
Brydeswood No. 1 Well (Well No. 5631-03)

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 a 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 are copies 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.

Please refer to the Permit Processes Worksheet (transmitted with your acknowledgement letter) for further information regarding the process of drilling a well and installing a pump.

No withdrawal of water shall be made other than for testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrm/forms.htm.

IMPORTANT - Drilling work shall not commence until a fully signed permit is returned to the Commission. The permit shall be prominently displayed or made available at the construction site during construction. Be advised that you may be subject to fines of up to $5,000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70218.

Sincerely,

Peter T. Young
Chairperson

Enclosures

c: James Hasenyager, Project Manager, A&B Properties, Inc. (with applicable comments - DOH SDWB, CWB)
Don Schmanski, Konals W. & Sarah A. Schmanski Trustees of the Schmanski Family 1994 Trust (with applicable comments - DOH SDWB, CWB)
USGS
Kauai DWS
WELL CONSTRUCTION PERMIT

Brydeswood No. 1 Well, Well No. 5631-03

Note: This permit shall be prominently displayed at the construction 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 Brydeswood No. 1 Well (Well No. 5631-03) at TMK 2-4-07:004, Kauai, subject to the Hawaii Well Construction & Pump Installation Standards (HWCPIS - 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. This permit shall be prominently displayed, or made available, at the site of construction work until work is completed.
3. The well construction permit shall be for construction and testing of the well only. The permittee shall coordinate with the Chairperson and conduct a pumping test in accordance with the HWCPIS (the latest pump test worksheet can be obtained by contacting Commission staff or at www.hawaii.gov/dlnr/cwrm/forms.htm). The permittee shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson. No withdrawal of water shall be made for purposes other than testing without a Certificate of Pump Installation Completion. The permitted pump capacity described on the pump installation permit may be reduced in the event that the pump test does not support the capacity.
4. 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.
5. The permittee 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.
6. In the event that historically significant remains such as artifacts, burials or concentrations of shells or charcoal are encountered during construction, the permittee shall stop work and immediately contact the Department of Land and Natural Resources’ Division of Historic Preservation.
7. 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.
8. The Well Completion Report Part I shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwrm/forms.htm for current form).
9. The permittee shall comply with all applicable laws, rules, and ordinances; non-compliance may be grounds for revocation of this permit.
10. The well construction permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. This permit is also subject to the HWCPIS. If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result. Any variances from the HWCPIS shall be approved by the Chairperson prior to invoking the variance.
11. 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 the date the permit expires.
12. If the well is not to be used it must be properly capped. If the well is to be abandoned during the course of the project then the permittee must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.
13. 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.
14. This permit shall apply to the location shown on the application only. If the well is to be relocated, the permittee shall apply for a new well construction/pump installation permit in accordance with Hawaii Administrative Rules §13-168-12(f).
15. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

W. Roy Handy

Date of Approval: **February 10, 2007**
Expiration Date: **February 10, 2009**

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 have signed, dated, and returned the permit to the Commission. I understand that this permit is not to be transferred to any other entity. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $5,000 per day starting from the permit date of approval.

Driller’s Signature: ___________________________ C-57 License #: 17737 Date: ___________________________

Printed Name: Blaise Clay Firm or Title: Water Resources International, Inc.

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.

Attachment
## Well Check Program

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

### Data Input

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>5631-03</td>
</tr>
<tr>
<td>Well Name</td>
<td>brydeswood 1</td>
</tr>
<tr>
<td>Ground Elevation</td>
<td>1010</td>
</tr>
<tr>
<td>Cement Grout</td>
<td>800</td>
</tr>
<tr>
<td>Grouting Method</td>
<td>positive displacement</td>
</tr>
<tr>
<td>Hole Diameter</td>
<td>23</td>
</tr>
<tr>
<td>Total Depth</td>
<td>1080</td>
</tr>
<tr>
<td>Estimated Head</td>
<td>40</td>
</tr>
<tr>
<td>Public Water Supply Well?</td>
<td>yes</td>
</tr>
<tr>
<td>Solid Casing Material</td>
<td>steel</td>
</tr>
<tr>
<td>Solid Casing Specification</td>
<td>ASTM A139</td>
</tr>
<tr>
<td>Solid Casing Length</td>
<td>970</td>
</tr>
<tr>
<td>Solid Casing Diameter</td>
<td>16</td>
</tr>
<tr>
<td>Solid Casing Wall Thickness</td>
<td>0.375</td>
</tr>
<tr>
<td>Open Casing Length</td>
<td>60</td>
</tr>
</tbody>
</table>

### Results

#### Well Depth

| Theoretical Thickness of Aquifer | 1640 |
| 1/4 Aquifer Thickness           | 410  |
| Depth of Well below Sea Level   | -70  okay | Section 2.2 |

#### Well Casing

| Minimum Wall Thickness Material | steel |
| Minimum Thickness per standards | 0.375 |
| Wall Thickness Provided         | 0.375 okay | Section 2.4(b) |
| Minimum Length of Solid Casing | 873   |
| 90% of ground to top of aquifer Length of solid casing Provided | 970 okay | Section 2.4(c) |
| Casing Material | ASTM A139 | in compliance | Section 2.4(d) |
| (for pvc only - check for 200' limit) | okay | Section 2.4(d) |

#### Annular Space

| Depth of Grouting Calculated Depth of Grouting | 500 |
| Depth of Grouting provided                   | 800 okay | Section 2.6(c) |
| Minimum Annular Space required               | 1.5 |
| Thickness of Annular Space                   | 3.5 okay | Section 2.6(d) |

---

- yes
- no
- steel
- stainless steel
TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
Attention: Director's Office
   Harold Yee, Wastewater Branch
   Stuart Yamada, Safe Drinking Water Branch
   Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction Permit Application
         Brydeswood No. 1 Well (Well No. 563)-03

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

LN:ss
Attachment(s)

RESPONSE:

✓ This well qualifies as a source which will serve as a source of public water to a public water system (defined as serving 25 or more people or 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, 417-20-29.

✓ This well does not qualify as a source serving a public water system (served 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 utilizing such use and routinely monitor the water quality thereafter. However, if future plans 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 public 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 systems 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 non-potable purposes and is not subject to Safe Drinking Water Regulations.

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

✓ An NPDES permit is required.

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

✓ In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

✓ No comments/objections

Contact Person: Stuart Yamada
   Phone: 586-4258
Signed: Stuart Yamada
Date: 2/15/07

S. Yamada
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director's Office
Stuart Yamada, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction Permit Application
Brydeswood No. 1 Well (Well No. 3631-03)

January 10, 2007

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

LNs:
Attachment(s)

RESPONSE:

[Signature]

Contact Person: Alec Wong
Phone: 586-4309

Signed: Alec Wong
Date: 1/16/07
The Department of Health, Clean Water Branch has the following comments:

**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.

1. **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: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director’s Office
Harold Yee, Wastewater Branch
Stuart Yamada, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction Permit Application
Brydeswood No. 1 Well (Well No. 5631-03)

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

LN: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 sources 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.

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

No comments/objections No records.

Contact Person: Leni Monkami
Phone: 586-4294
Date: 01-17-2007

Signed: Leni Monkami
Date: 01-17-2007
January 10, 2007

TO: Russell Tsuji, Administrator
    Land Division

FROM: Dean A. Nakano, Acting Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction Permit Application
         Brydeswood No. 1 Well (Well No. 5631-03) TMK 2-4-07:004

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

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.

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

[ ] No objections

☒ Other comments: Original source of private title is Land Commission Award 7714-B:6 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: FEB - 1 2007
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: LENORE

DATE: 6-Dec-06

TO: AKAMA, L.

INIT. 1

TO: NAKANO, D.

INIT. 1

FOR: Approval

SUSPENSE DATE: 13-Dec-06

INIT. 1

Signature

Information

PLEASE:

See Me

Review & Comment

Take Action

Type Draft acknow letter

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

File

Xerox copies

DATE: 6-Dec-06

TAKE ACTION

INCOMPLETE ACTION DATES:

DATE ACTION

check gpm rate - too high 750 gpm for pump

Hope this is an act for him but DWMA hasn't found him

officially in violation yet - so I think we can proceed until

(accept) then

WELL NUMBER 5631-3

WELL NAME Brydeswood 1

WELL CONSTRUCTION □ PUMP INSTALLATION □ BOTH

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated

1 TRANS. LETTER
2 PERMIT PROCESS TABLE
3 CWRM MAP
4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNER VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN
10 BACKGROUND CHECK
11 $25 FEE DEPOSIT SLIP
12 DHP/CDUP/SMA pre-screen □ SMA map printout http://gis.hicentral.com/website/parcelzoning/viewer.htm., or INGRID'S SMA/CD MAP)

FOLDER:

☑ MADE NEW FILE FOLDER, ATTACHED
☐ FILE FOLDER ALREADY MADE, IN FILE CABINET
Mr. Blaise Clay  
Water Resources International, Inc.  
P.O. Box 44520  
Kamuela, HI 96743  

Dear Mr. Clay:

Well Construction Permit Application for Well No. 5631-03

We acknowledge receipt, on December 4, 2006, of your completed Well Construction permit application and filing fee for the Brydeswood No. 1 Well (Well No. 5631-03). You can expect your application to be processed within ninety (90) days from this date.

Per your telephone conversation with my staff on January 5, 2007, we understand that the pump installation work will be bid out under a separate contract. Therefore, we are processing your application for a well construction permit only.

For your information, the attached table describes the process, responsible parties, and deadline requirements for drilling or modifying a well and installing, modifying, or replacing a pump.

By this acceptance letter, we are also notifying the well operator/landowner that upon completion of the work required under the permit, a certificate of well completion will be issued to the landowner, which transfers responsibilities for the well from the driller/pump installer to the landowner and/or operator. Until that time, the driller is responsible for all conditions of the permit.

If you have any questions about your permit application, please contact Lenore Nakama of the Commission staff at 587-0218 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70218.

Sincerely,

DEAN A. NAKANO  
Acting Deputy Director

LN:ss

c: A&B Properties, Inc.  
Donald W & Sarah A Schmanski, Trustees of the Schmanski Family 1994 Trust
January 10, 2007

TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Director’s Office
Harold Yee, Wastewater Branch
Stuart Yamada, Safe Drinking Water Branch
Alec Wong, Clean Water Branch

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

SUBJECT: Well Construction Permit Application
Brydeswood No. 1 Well (Well No. 5631-03)

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

LN: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.

[ ] In the event that the location of the well changes but is still within the parcel described on this application, our division considers the comments to still be applicable, and we do not need to review the new location.

[ ] No comments/objections

Contact Person: _______________ Phone: _______________

Signed: _______________ Date: _______________
January 10, 2007

TO: Russell Tsuji, Administrator  
Land Division

FROM: Dean A. Nakano, Acting Deputy Director  
Commission on Water Resource Management

SUBJECT: Well Construction Permit Application  
Brydeswood No. 1 Well (Well No. 5631-03) TMK 2-4-07:004

Transmitted for your review and comment is a copy of the captioned Well Construction 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 February 10, 2007. 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 Lenore Nakama of the Commission staff at 587-0218.

LN: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. ________________________.

[ ] 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: Dean A. Nakano, Acting Deputy Director
    Commission on Water Resource Management

SUBJECT: Well Construction Permit Application
         Brydeswood No. 1 Well (Well No. 5631-03) TMK 2-4-07:004

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Please find the attached maps to locate the proposed well. If you have any questions about this permit application or request additional review time by this date, we will assume you have no comments.

If you require additional information regarding specific information that can be provided by the applicant, please contact the applicant directly at the contact information provided on the application form.

LN:ss
Attachment(s)

RESPONSE:

[ ] This is a [ ] public (county or state) project [ ] private project and [ ] will [ ] may disturb historic sites.

[ ] We concur that the work described under this permit will not disturb historic sites.

[ ] We do not concur that the work described under this permit will not disturb historic sites. We require the following for our concurrence:

Contact Person: ___________________________ Phone: ___________________________

Signed: ___________________________ Date: ___________________________
January 10, 2007

Mr. Clifford Lum, Manager and Chief Engineer
Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, HI 96843

Dear Mr. Lum:

Well Construction/Pump Installation Permit Review
Well Construction Permit Application
Brydeswood No. 1 Well (Well No. 5631-03)

Transmitted for your review and comment is a copy of the captioned Well Construction permit application. If you have any comments on this application, please submit them by February 10, 2007. If we do not receive comments we will assume you have no comments.

If you have any questions about this permit application, please contact Lenore Nakama of the Commission staff at 587-0218.

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

LN:ss
Professional and Vocational Licensing (PVL) Search - License Class

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LIC: CT-17737 BLAISE CLAY

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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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<thead>
<tr>
<th>Approved Well No.</th>
<th>Well Name</th>
<th>Applicant</th>
<th>Driller</th>
<th>Pump Inst.</th>
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**WELL LOCATION INFORMATION**

1. STATE WELL NO. (if already assigned) 54131-03
2. WELL NAME Brydewood No. 1
3. ISLAND Kauai
4. TMK 3 1 07 06

The following must be attached before this application is accepted as complete:
- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
- Property tax map, showing well location referenced to established property boundaries
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure

**WELL OPERATOR’S NAME/COMPANY**

A&B Properties, Inc.

**Well Operator’s Contact**

James Hasenyager - Project Manager

**LANDOWNER’S NAME/COMPANY**

Don Schmanski

Trustees of the Schmanski Family 1994 Trust

**Landowner’s Contact**

Donald M. Schmanski

**Well Operator’s Mailing Address**

P. O. Box 176

Eleele, Hawaii 96705

**Well Operator’s Phone**

808-335-5626

**Well Operator’s Fax**

808-335-9708

**Well Operator’s E-mail**

jhasenyager@aabprop.com

**Landowner’s Phone**

530-825-2153

**Landowner’s Fax**

don@schmanski.com

---

### PROPOSED WELLS CONSTRUCTION

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<th>Proposed Work</th>
<th>Construction Type</th>
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<td></td>
<td>Install New Well</td>
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<td>Construct New Well</td>
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<td>8. Construction Type</td>
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### PROPOSED PUMP INSTALLATION

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<th>Method of flow measurement</th>
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<td>Other (explain)</td>
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**PROPOSED USE**

- 15. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- 16. Domestic
- 17. Industrial (describe)
- 18. Irrigation (describe crop and no. of acres)
- 19. Military (describe)
- 20. Other (describe)

**OTHER LEGAL REQUIREMENTS**

If required, Items 21 and 22 must be obtained before the Commission can legally issue a permit:

<table>
<thead>
<tr>
<th>Conservation District Use Permit (CDUP)</th>
<th>Required, CDUP #</th>
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<tr>
<td>Not Required (attach documentation from OCCL)</td>
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<td>SMA</td>
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<td>Special Management Area Permit (SMAP)</td>
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</table>

Additional remarks, explanations, etc. (attach additional sheet if more space is needed)

If successful, the well will provide potable and irrigation supply for A&B’s Brydewood Agricultural Subdivision in Kalaheo, Kauai.

**NOTE:** Signing below indicates that the signatories understand and swear that the information provided is accurate and true to the best of their knowledge. Further, the signatories understand that upon permit approval: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $500/day.
PROPOSED WELL SECTION  (Please attach schematic if different from diagram provided below)

**Grouting method:**
- Positive displacement
- Other

**Cement Grout:** 800 ft (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

**Annular space between hole and casing (1.5" for positive displacement, 3" for other methods):** 3 in.

**Rock or Gravel Packing:**
- None
- Crushed Basalt
- Rounded Gravel

**Estimated Water Level Elevation:** 40 ft, msl

**Hole Diameter:** 23 in.

**Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)**

**Ground Elevation:** 1010 ft, msl

**Solid Casing:** 90% x (Ground Elev.-Water Level Elev.)
- Total Length: 970 ft.
- Nominal Diameter: 16 in.
- Wall Thickness: 0.375 in.
- Bottom Elevation: 40 ft, msl

**Open Casing:**
- Perforated
- Screen
- Total Length: 60 ft.
- Nominal Diameter: 16 in.
- Wall Thickness: 0.3125 in.
- Bottom Elevation: -70 ft, msl

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

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = (Water Elevation - 4 x Water Level Elev.) / 4

Example: Estimated + 2 ft. Water Level Elev. = Bottom Elevation of Well Limit = (2 ft - 4 X 0.5 ft) / 4 = -18.5 ft.

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200
- Stainless Steel: compliant with (check one or more): ASTM A242 (or A506) Type E
- Other

**ABS Plastic** conforming to ASTM F480 and ASTM D1527: (check one)
- Schedule 40
- Schedule 80

**PVC Plastic** conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)
- Schedule 40
- Schedule 80
- Schedule 120

**Thermoset Plastic:** (check one)
- Filament Wound Resin Pipe conforming to ASTM D2996
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
- PTFE Fluorocarbon Tubing conforming to ASTM D3296
- FEP Fluorocarbon Tubing conforming to ASTM D3296

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- Stainless Steel: compliant with (check one or more): ASTM A242 (or A506) Type E

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- FEP Fluorocarbon Tubing conforming to ASTM D3296

**Brydeswood No. 1**

---

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

**Estimated Water Level Elevation:** 1012 ft., msl

**Total Depth:** 1080 ft.

---

*Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = (Water Elevation - 4 x Water Level Elev.) / 4

Example: Estimated + 2 ft. Water Level Elev. = Bottom Elevation of Well Limit = (2 ft - 4 X 0.5 ft) / 4 = -18.5 ft.
The Well Would be Located Beyond this Vegetative Growth (Primarily Bamboo)
The Well would be Located in the Sunlit Area in the Clearing of Bamboo
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<th>APP</th>
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<th>OBJ</th>
<th>COST</th>
<th>CTR</th>
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**REMARKS:**

Line (1) Brydeswood No. 1
Line (2) Stoops Well
Line (3) Dick & Jane Well
Line (4) Makuu Ranch
Line (5) Barvaria One
Line (6)
Line (7)
Line (8)
Line (9)
Line (10)

**TOTAL** $125.00
Mr. Dean A. Nakano  
Acting Deputy Director  
Commission on Water Resource Management  
Department of Land and Natural Resources  
State of Hawaii  
P. O. Box 621  
Honolulu, Hawaii  96809

Dear Mr. Nakano:

Well Construction/Pump Installation Permit Application  
for Brydeswood Well No. 1 in Kalaheo, Kauai

On behalf of A&B Properties, Inc. I am pleased to submit the enclosed application and $25 filing fee for Brydeswood Well No. 1 on Kauai. If successful, the well will provide potable and irrigation supply for A&B's Brydeswood Agricultural Subdivision in Kalaheo, Kauai.

Thank you for your attention to this matter.

Sincerely,

Gug Suh

for Tom Nance

cc: James Hasenyager - A&B Properties  
Blaise Clay - WRI

Attachments