Search Results

Search criteria: TMK Taxkey 4-4-9-11-16

<table>
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<th>Taxkey</th>
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<th>Tnr</th>
<th>Address</th>
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<th>Land area</th>
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<td>4-4-9-11-16-1 KAHU</td>
<td>Moloa &amp; Kaapuna Hui Lands</td>
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<td>7181 KOOLAU RE RD, Apt 1</td>
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Hi Charley -
By this email we are giving our two week notice to begin drilling the Kahu Assoc. Well No. 1120-57.
Thank you,
Betsy Lis

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

Kaua'i Association Main Well, Well No. 1120-57

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 Kaua'i Association Main Well (Well No. 1120-57) at TMK (4) 4-9-011:016, Kaua'i, 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 (HAR).

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/resources_permits.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. If it can be shown that the well does not tap basal ground water then this condition may be waived after consultation with and acceptance by Commission staff. However, in no instance can the well be drilled deeper than one-half (1/2) of the theoretical thickness without Commission approval.

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’ 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/cwrm/resources_permits.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, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

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

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

13. 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.

14. 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(0), HAR, prior to any well sealing or plugging work.

15. 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.

16. 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 §13-168-12(0), HAR.

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

Date of Approval: January 10, 2011
Expiration Date: January 10, 2013

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: Elizabeth Lis
C-57 License #: C-21457 Date: 1-25-2011
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.
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 Kahu Association Main Well (Well No. 1120-57) at TMK (4) 4-9-011:016, 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 45 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: January 10, 2011
Expiration Date: January 10, 2013

WILLIAM J. AILA, JR., Interim 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: Elizabeth Lis C-57, C-57a, or A License #: C-21457 Date: 1-25-2011
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.

Attachments
Hi Charley -
Attached please find the executed permits for the Kahu Assoc. Main Well No. 1120-57. Hard copy to follow.
Aloha,
Betsy Lis

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

WELL CONSTRUCTION PERMIT

Kahu Association Main Well, Well No. 1120-57

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 Kahu Association Main Well (Well No. 1120-57) at TMK (4) 4-9-011:016, 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 (HAR).

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/cwnnlresources-permits.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 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. If it can be shown that the well does not tap basalt ground water then this condition may be waived after consultation with and acceptance by Commission staff. However, in no instance can the well be drilled deeper than one-half (1/2) of the theoretical thickness without Commission approval.

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' 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 stream 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 1 shall be submitted to the Chairperson within sixty (60) days after completion of work (please contact staff or visit www.hawaii.gov/dlnr/cwnnlresources_permits.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, if relevant, any related staff submittal approved by the Commission are incorporated into this permit by reference.

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

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

13. 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.

14. 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(6), HAR, prior to any well sealing or plugging work.

15. 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.

16. 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 §13-168-12(f), HAR.

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

Date of Approval: January 10, 2011
Expiration Date: January 10, 2013

WILLIAM J. AILA, JR., Interim 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: Elizabeth Lis C-57 License #: C-21457 Date: 1-25-2011

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.

Attachment
PUMP INSTALLATION PERMIT
Kahu Association Main Well, Well No. 1120-57

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 Kahu Association Main Well (Well No. 1120-57) at TMK (4) 4-9-011:016, 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 45 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: January 10, 2011
Expiration Date: January 10, 2013

WILLIAM J. AILA, JR., Interim 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: 1-25-2011
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.

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

Dear Ms. Lis:  

Pump Installation Permit  
Kahu Association Main Well (Well No. 1120-57)  

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.  
Interim Chairperson  

Enclosure  

C: Kahu Association
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 Kahu Association Main Well (Well No. 1120-57) at TMK (4) 4-9-011:016, 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 45 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: January 10, 2011  WILLIAM J. AILA, JR., Interim Chairperson
Expiration Date: January 10, 2013  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
Ms. Elizabeth Lis  
Oasis Water Systems, Inc.  
P.O. Box 507  
Hanalei, HI 96714

January 18, 2011

Dear Ms. Lis:

Well Construction Permit  
Kahu Association Main Well (Well No. 1120-57)

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 17:

**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 the Noise Radiation and Indoor Air Quality Branch at 586-4700 to check compliance with construction noise permit 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 testing purposes until a certificate of pump installation completion has been issued by the Commission.

Please sign both permit originals and return one copy to the Commission office for our files. For copies of the aquifer pump test worksheet, please call staff or visit www.state.hi.us/dlnr/cwrml/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 Charley Ice of the Commission staff at 587-0218 or toll-free at 274-3141 (Kauai), extension 70218.

Sincerely,

WILLIAM J. AILA, JR.  
Interim Chairperson

Enclosures

c: Kahu Association (with applicable comments – DOH SDWB, WWB, CWB, HEER)
WILLIAM J. AILA, JR., Interim Chairperson

Attachment

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

Expiration Date:

Driller's Signature: C-57 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.

Attachment
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR PERMIT ISSUANCE 5/19/05


DATE: # # # # # # # # # #
SUSPENSE DATE: ____________


INIT. ________________________ ________________________ ________________________ ________________________ ________________________ ________________________ ________________________ ________________________ ________________________

FOR: Approval -- Signature -- Information
PENDING: See Me -- Review & Comment -- Take Action
PENDING: Type Draft -- Type Final -- File
PENDING: Xerox __________ copies

WELL NUMBER 1120-57
Kahu Association Main Well

WELL CONSTRUCTION

ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
COMMENTS:
3 SDWB
4 WWB
5 CBW
6 HEER
7 LD
8 HP
9 OCCL
10 SMA

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

PUMP INSTALLATION

ATTACHMENTS FOR PUMP INSTALLATION PERMIT:
1 COVER LETTER
2 PERMIT (2x)
COMMENTS:
3 SDWB
4 WWB
5 CBW
6 HEER
7 LD
8 HP
9 OCCL
10 SMA

TO BE SENT TO APPLICANT

FOR OFFICE USE ONLY

11 GLENN'S WORKSHEET
### Data Input

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Well Number</td>
<td>1120-57</td>
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<tr>
<td>Well Name</td>
<td>Kahu Association Main</td>
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<tr>
<td>Ground Elevation</td>
<td>210</td>
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<tr>
<td>Cement Grout</td>
<td>182</td>
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<tr>
<td>Grouting Method</td>
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<tr>
<td>Hole Diameter</td>
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<td>Total Depth</td>
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<td><strong>Water Level</strong></td>
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<td>Depth to water</td>
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<td>Public Water Supply Well?</td>
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<td>Solid Casing Material</td>
<td>pvc plastic</td>
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<td>Solid Casing Specification</td>
<td>Schedule 40</td>
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<td>Solid Casing Wall Thickness</td>
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<td>Open Casing Length</td>
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### Results

#### Well Depth

| Theoretical Thickness of Aquifer | 820       |
| 1/4 Aquifer Thickness           | 205       |
| **Depth of Well below Sea Level** | **-50 okay** |

**Section 2.2**

#### Well Casing

| Minimum Wall Thickness         |              |
| Material                       | pvc plastic  |
| Minimum Thickness per standards| no requirement |
| **Well Thickness Provided**    | 0.25 no standard |
| Minimum Length of Solid Casing |              |
| 90% of ground to top of aquifer| 171         |
| **Length of solid casing Provided** | **200 okay** |
| Casing Material                | Schedule 40  |
| (for pvc only - check for 200' limit) | in compliance |

**Section 2.4(b)**

#### Annular Space

| Depth of Grouting              | 133        |
| **Depth of Grouting provided** | **182 okay** |
| Minimum Annular Space required | 1.5        |
| **Thickness of Annular Space** | 4 okay     |

**Section 2.6(c)**

---

**yes**

**no**

**steel**

**stainless steel**
<table>
<thead>
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<tr>
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Subject: National Pollutant Discharge Elimination System Regulations for the Well Construction/Pump Installation Permit Application(s) for the Subject Well(s)

Dear Mr. Ice:

The Department of Health, Clean Water Branch (CWB) has the following comments for the subject well:

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, and compiled June 15, 2009. 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
A 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, and compiled June 15, 2009, 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 the start of construction activities.

Thank you for the opportunity to comment,

Joanna
Joanna L. Seto
Engineering Section Supervisor
Clean Water Branch
State of Hawaii Department of Health
Phone: (808) 586 - 4309
Fax: (808) 586-4352

Notice: This information and attachments are intended only for the use of the individuals) or entity to which it is addressed and may contain information that is privileged and/or confidential. If the reader of this message is not the intended recipient any dissemination, distribution, or copying of this communication is strictly prohibited and may be punishable under state and federal law. If you have received this communication and/or attachments in error, please notify the sender via e-mail immediately and destroy all electronic and paper copies.

From: Susan S Hoagbin/DLNR/StateHius@DOHMAIL On Behalf Of Susan S Hoagbin/DLNR/StateHius@DOHMAIL
Sent: Thursday, December 09, 2010 9:34 AM
To: Morikami, Lori N; Miyahira, Michael M; Seto, Joanna L; Palmer, Richard
Cc: Charley F Ice
Subject: Review for Comments

Please respond to this email request for comments to charley.f.ice@hawaii.gov.

<< File: 1222-12, 7051-01, 1120-57, 1222-13,.PDF >>
December 22, 2010

MEMORANDUM

TO: William Tam
Interim Deputy Director, Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

FROM: Theresa Donham, Archaeology Branch Chief/Deputy SHPO

SUBJECT: Chapter 6E-42 Historic Preservation Review -
Well Construction/Pump Installation Permit Application
Kahu Association Main Well (Well No. 1120-57)
Moloa'a Ahupua'a, Kawaihau District, Island of Kaua'i
TMK (4)-4-9-011:016

Thank you for the opportunity to review and comment on the aforementioned well construction permit application that was received by our office on December 15, 2010. According to your letter, the well construction consists of a 14 inch diameter hole excavated to a depth of 260 feet below the surface. A review of our records indicates that there are no recorded archaeological sites on this parcel. Our records also indicate that there has been no formal archaeological inventory survey on this parcel.

In 1994, SHPD reviewed an application for well construction on this property (SHPD Log No. 12010, Doc No. 9406NM62) and determined that an archaeological survey with subsurface testing should be undertaken prior to the commencement of well construction. To our knowledge, this was never accomplished. However, in 1996 SHPD archaeologists inspected the property and determined that the land appeared to have been heavily modified making it highly unlikely that significant historic sites remain (SHPD Log No. 18483, Doc No. 9611NM07). Archival aerial photos confirm that this parcel was previously subjected to intensive sugarcane cultivation. The previous disturbance of this area during sugarcane cultivation likely removed any archaeological surface features. This area is also unlikely to contain any subsurface archeological deposits, as the USGS soil survey (Foote et. al. 1972) indicates that the project area is underlain with Lihue Silty Clay (LhB).

Therefore, we have determined that no historic properties will be affected by this project. However, in the event that historic resources, including human skeletal remains, sand deposits, lava tubes, and lava blisters/bubbles are identified during construction activities, please cease all work in the immediate vicinity of the find, protect the find from additional disturbance, and contact the State Historic Preservation Division at (808) 692-8015.

Please contact Mike Vitousek at (808) 692-8029 or Michael.Vitousek@Hawaii.gov if you have any questions or concerns regarding this memo.
December 9, 2010

TO: Russell Tsuji, Administrator
Land Division

FROM: Lenore N. Ohye, Acting Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Kahu Association Main Well (Well No. 1120-57) TMK (4) 4-9-011:016

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

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice 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.

X[ ] 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

X[ ] Other comments: Original source of private title is Grant535 issued prior to statehood.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: 12/8/10
Charley,

Here are the latest Well Permit Applications. I just received another batch, which I'll complete after the holidays.

Richard

well-permits12-20-2010.pdf
TO: Honorable Chiyome L. Fukino, M.D., Director
Department of Health
Attention: Acting 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: William J. Aila, Jr., Interim Chairperson
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Kahal Association Main Well (Well No. 1120-57) TMK (4) 4-9-011:016
Well address: Old Kuhio Highway, Molokai

December 9, 2010

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218.

CLASS
Attachment(s)

RESPONSE:

1 This well qualifies as a source which will serve as a source of potable water to a public water system (defined as serving 25 or more people at least 60 days per year 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.

1 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.

1 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.

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

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

1 An NPDES permit is required

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

1 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: 20 Dec 2010
TO: Honorable Chiyome L. Fukino, M.D., Director  
Department of Health  
Attention: Acting 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: William J. Aaila, Jr., Interim Chairperson  
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application  
Ki O Wai Melton Well (Well No. 7051-01) TMK (3) 5-7-001:013  
Well address: Lapakahi, Mahukona –1200 ft.e.l.

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 12, 2011. 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 Charley Ice of the Commission staff at 587-0218.

Clss:  
Attachment(s):  

RESPONSE:  

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

[1] This well does not qualify as a source serving a public water system (serves less than 25 more or 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.

[1] 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.

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

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

[1] An NPDES permit is required.

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

[1] 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: 586-0957

Signed:  
Date: 20 Dec 2010
Attached are the CWRM applications with our comments.

<<1222-12, 7051-01, 1120-57, 1222-13,.PDF>>

From: Susan S Hoagbin/DLNR/StateHiUS@STATEHIUS@DOHMAIL On Behalf Of Susan S Hoagbin/DLNR/StateHiUS@DOHMAIL
Sent: Thursday, December 09, 2010 9:34 AM
To: Morikami, Lori N; Miyahira, Michael M; Seto, Joanna L; Palmer, Richard
Cc: Charley F Ice
Subject: Review for Comments

Please respond to this email request for comments to charley.f.ice@hawaii.gov.

<< File: 1222-12, 7051-01, 1120-57, 1222-13,.PDF >>

1222-12, 7051-01, 1120-57, 1222-13,.PDF
December 9, 2010

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Acting Chief, Wastewater Branch
   Stuart Yamada, Chief, Safe Drinking Water Branch
   Alec Wong, Chief, Clean Water Branch
   Dr. Keith Kawakoa, Office of Hazard Evaluation and Emergency Response

FROM: William J. Aila, Jr., Interim Chairperson
   Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
   Kahu Association Main Well (Well No. 120-57) TMK (4) 4-9-011:016
   Well address: Old Kuhio Highway, Moloa

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218.

Class 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, §§11-30-20.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well is to be 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 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 (i.e., it is not located near the proposed well site) (information attached)

An NDDES permit is required.

Other relevant DOH 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: [Signature]

Signed: [Signature]
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

1. WELL NO. (if already assigned)  Kahoiai Well  
2. WELL NAME  
3. ISLAND  
4. TANK  
5. hp  9  
6. month  11  
7. day  12

The following must be attached before this application is accepted for completion:
- 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 closest map
- Property tax map, showing well location referenced to established property boundaries
- Photographs of the proposed well site
- A schematic diagram showing the well site, access roads and proposed well infrastructure

Proposed Well Construction

Proposed Pump Installation

Proposed Use

Other Legal Requirements if required, Items 21. and 22. must be obtained before the Commission can legally issue a permit:

Conservation District Use Permit (CDUP)
- Well in Conservation District
- Required, CDUP # ___ date approved ___
- Not Required, attach documentation from CDCC
- I have not checked with CDCC about whether or not a CDUP is required.

State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources
- I have consulted with the SHPD regarding potential impacts of well construction activities on historic sites. I have attached appropriate documentation from the SHPD.

Chapter 343
- An Environmental Assessment was completed, and
- An Environmental Impact Statement was required and has been accepted (attach letter of acceptance). Publication date in The Environmental Notice: ________________

The project proposed:
- Use of state or county lands, or use of state or county funds
- Use within a state conservation district
- Use within a state park
- Use within a state recreation area
- Use within a state park
- Use within a state monument
- Use within a state fish and game area
- Use within the Wetland Special District
- The construction, expansion or modification of a nuclear reactor facility
- None of the above 11 Items

Water Use Permit No. (if applicable): ________________

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

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 completion of the proposed work is to be certified within sixty (60) days after the completion date of the permitted work; and 3) in the event the application is not completed within thirty (30) days following the date of approval, the permit may be suspended until the fees are brought to compliance, and any work done while the permit is in suspension may result in fines of up to $200.00 per day.

Well Driller / pump Installer: ________________
CWRM Application Source: Kahu Association Main Well
State Well No. 1120-57
TMK: (4) 4-9-011:016

Safe Drinking Water Branch (SDWB) - Engineering Section

- See attached Private Wells information sheet.

SDWB Underground Injection Control (UIC) Section

Injection wells used for the subsurface disposal of wastewater, sewage effluent, or surface runoff are subject to environmental regulation and permitting under Hawai`i Administrative Rules, Title 11, Chapter 11-23, titled Underground Injection Control (UIC). The Department of Health’s approval must be first obtained before any injection well construction commences. A UIC permit must be issued before any injection well operation occurs.

Authorization to use an injection well is granted when a UIC permit is issued to the injection well facility. The UIC permit contains discharge and operation limitations, monitoring and reporting requirements, and other facility management and operational conditions. A complete UIC permit application form is needed to apply for a UIC permit.

A UIC permit can have a valid duration of up to five years. Permit renewal is needed to keep an expiring permit valid for another term. For further information about the UIC permit and the Underground Injection Control Program, please contact the UIC staff of the Safe Drinking Water Branch at 586-4258.

The UIC Program has the following comments specific to this Application:

1. Well water quality should be initially and periodically tested for it’s acceptable and intended use, especially if for human consumption. Water quality should not be presumed acceptable and unchanging. Land-based activities around the well and within the well’s recharge area may, over time, have an unacceptable effect on the well’s water quality. Well construction materials and related equipment could also affect water quality.

2. The proposed well section details [are inconsistent] [appear to be in error] and should be corrected.

CWRM Well Application Standard Comments (SDWB)
Vers. 9/30/09
Kahu Assoc
well site
**WARNING!** As the owner of a privately-owned well, you should **not** assume that water from your well is safe for consumption. It is your responsibility to make sure that your well water is safe to drink. The only way to do this is to have your well regularly tested for bacteriological and chemical contaminants.

There are no regulations controlling water quality in private wells serving individual residences as there are for public water systems (public or privately owned utilities supplying water to 25 or more people or 15 service connections). In other words, there are no enforceable limits for contaminants and no requirements for regular testing. Private wells are often found in rural areas, where many activities such as onsite wastewater disposal can contaminate the ground water.

**U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) RECOMMENDATIONS**

The EPA recommends that private well owners test their well water each year for such contaminants as Total Coliform Bacteria, Nitrates, as well as any other contaminants that may be of concern in your area. More frequent testing may be appropriate if you suspect a problem. EPA also suggests that you consider testing for pesticides, organic chemicals, and heavy metals before using it for the first time. Please refer to the EPA website on Private Drinking Water Wells at [http://www.epa.gov/safewater/privatewells/faq.html](http://www.epa.gov/safewater/privatewells/faq.html)

**OTHER CONTAMINANTS**

Water testing can be very expensive. It is important that you spend time to identify what other potential contaminants may be of concern. Please refer to the EPA website on Private Drinking Water Wells at [http://www.epa.gov/safewater/privatewells/whatyoucando.html](http://www.epa.gov/safewater/privatewells/whatyoucando.html) for more helpful information. Be aware of what and how you use and dispose of household and garden chemicals. Also determine the location of nearby septic tanks or cesspools, and agricultural or industrial activities in the area. General information on known chemical contamination of ground water in Hawai‘i can also be found at the DOH website [www.hawaii.gov/health/environmental/water/sdwb/conmaps/pdf/conmaps05.pdf](http://www.hawaii.gov/health/environmental/water/sdwb/conmaps/pdf/conmaps05.pdf)

**LABORATORIES**

Local commercial laboratories can be found in the yellow pages of the telephone book under "Laboratories, Analytical." Whenever possible, utilize a laboratory that is certified or approved for the specific drinking water tests and carefully follow their instructions for collecting, storing, and transporting the samples. Just be sure to ask the lab to use EPA approved methods for drinking water analysis. A list of labs certified or approved by the Department of Health can be found at [www.hawaii.gov/health/environmental/water/sdwb/sdwb/pdf/Testing%20Labs.pdf](http://www.hawaii.gov/health/environmental/water/sdwb/sdwb/pdf/Testing%20Labs.pdf). As lab certification status changes constantly, confirm their status when you contact the lab. Please note that the list is limited to currently regulated contaminants in public water systems.

_CWRM Well Application Standard Comments (SDWB)_
Vers. 9/30/09
Once the lab provides you with the test results, you will be in a better position to determine if your well water is safe to drink or what contaminant you need to treat for. Generally, you should compare the results with Federal (http://www.epa.gov/safewater/mcl.html) and State (www.hawaii.gov/health/environmental/water/sdwb/sdwb/pdf/State%20MCL.pdf) drinking water standards. Where your test results are greater than the State or Federal maximum contaminant levels, your well water should be considered as unsafe for consumption.
December 9, 2010

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

Dear Ms. Lis:

Well Construction/Pump Installation Permit Application for Well No. 1120-57

We acknowledge receipt, on November 23, 2010, of your completed Well
Construction/Pump Installation permit application and filing fee for the Kahu Association Main Well
(Well No. 1120-57). You can expect your application to be processed within ninety (90) days from
this date.

By this acceptance letter, we are also notifying the well operator/landowner that water may not be pumped for purposes other than testing until the certificate of well construction/pump installation completion letter is issued to the well operator and landowner. Additionally, 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. No certificate of pump installation will be issued until the Commission has determined that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. In other words, you may need to remove the pump and install a smaller pump at the Commission’s discretion before you can withdraw water for purposes other than testing.

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

Sincerely,

LENORE N. OHYE
Acting Deputy Director

Cl:ss
Attachment

c: Kahu Association
December 9, 2010

TO: Honorable Chiyome L. Fukino, M.D., Director
   Department of Health
   Attention: Acting 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: William J. Aila, Jr., Interim Chairperson
   Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
   Kahu Association Main Well (Well No. 1120-57) TMK (4) 4-9-011:016
   Well address: Old Kuhio Highway, Moloaa

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218.

CI: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: Russell Tsuji, Administrator  
Land Division  

FROM: Lenore N. Ohye, Acting Deputy Director  
Commission on Water Resource Management  

SUBJECT: Well Construction/Pump Installation Permit Application  
Kahu Association Main Well (Well No. 1120-57) TMK (4) 4-9-011:016

December 9, 2010

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

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218.

CI: 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: Lenore N. Ohye, Acting Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction/Pump Installation Permit Application
Kahu Association Main Well (Well No. 1120-57) TMK: (4) 4-9-011:016

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

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218. 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.

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: ____________________________
December 9, 2010

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 Permit Application
Kahu Association Main Well (Well No. 1120-57)

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

We would appreciate your comments on the captioned application with regard to the SMA permitting requirements specific to your division. Please respond by returning this cover memo form by January 10, 2011. 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 Charley Ice of the Commission staff at 587-0218.

Sincerely,

[Signature]
WILLIAM J. AILA, JR.
Interim Chairperson

RESPONSE:

[ ] This well project [ ] requires [ ] does not [ ] require a SMA. If a SMA 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:
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: CHARLEY
DATE: 29-Nov-10
SUSPENSE DATE: 6-Dec-10

TO: INIT TO: INIT FOR: PLEASE:
____ FUJII, N. _____ KUNIMURA, I. 1 Approval See Me
____ HARDY, R. _____ NAKAMA, L. 3 Approval Review & Comment
____ HOAGBIN, S. _____ UYENO, D. 3 Signature Take Action
____ ICE, C. _____ YODA, K. 4 Information Type Draft acknow letter
____ IMATA, R. _____ YOSHINAGA, M. 2 Type Final, label file folder, update People.db

WELL NUMBER 120-5

WELL NAME Kahu Main
WUP Number na

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated

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<td>EA 343 5(a) triggers?</td>
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(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
- FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:

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- What is the shallow well yield?
- Probably 1120-25, calc. 43
- 4.0 mi. water, 0 well have been tested nearby
- good. 10 copies loose in folder, see attached application
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<th>Well No.</th>
<th>Well Name</th>
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<th>Pump Inst.</th>
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REMARKS: LINE (1) 4330 Waiakalua "E" Well
LINE (2) Kahu Main Well
LINE (3)
LINE (4)
LINE (5)
LINE (6)
LINE (7)
LINE (8)
LINE (9)
LINE (10)
To: Commission on Water Resource Mgmt

Aloha –

Enclosed please find our well construction and pump installation permit application for the Kahu Association. Please note, their existing well has not been giving the yield they require (it is shallow and was relying on the Ka Loko Dam runoff). We are asking to please have this permit application process expedited as much as possible so we can get them water as soon as possible.

Mahalo,

Elizabeth Lis
Oasis Water Systems, Inc.
FOR OFFICIAL USE ONLY: COMPLETED APPLICATION

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 96809. Application must be accompanied by 10 copies of the application and a non-refundable filing fee of $256.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 808-587-0225. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwrm.

WELL LOCATION INFORMATION
1. STATE WELL NO. (if already assigned)
2. WELL NAME
3. ISLAND
4. TMD

The following must be attached before this application is accepted as complete:
- A portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
- 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

5. WELL OPERATOR'S NAME/COMPANY
Well Operator's Contact
Well Operator's Mailing Address
6. LANDOWNER'S NAME/COMPANY
Landowner's Contact
Landowner's Mailing Address

PROPOSED WELL CONSTRUCTION
7. Proposed Work
- Construct New Well
- Modify Existing Well
- Abandon/Seal Well
8. Construction Type
- Drilled Well
- Shaft Well
- Tunnel

PROPOSED PUMP INSTALLATION
10. Proposed Work
- Install New Pump
- Replace Pump
11. Proposed Pump Capacity, gpm (gallons per minute)
13. Method of flow measurement
- Flowmeter
- Other (explain)
12. Proposed Amount of Withdrawal, gpd (gallons per day)

OTHER LEGAL REQUIREMENTS
21. Conservation District Use Permit (CDUP)
- Well is in Conservation District
- CDUP #
- Date approved
- Not Required (attach documentation from CCCL)
- Have not checked with CCCL about whether or not a CDUP is required.
- Well is not in Conservation District
- I have not checked if well is in or out of Conservation District

23. State Historic Preservation Division (SHPD) of the Department of Land and Natural Resources
- I have consulted with the SHPD regarding potential impacts of well construction activities on historic sites. I have attached applicable documentation from the HPD.

25. Water Use Permit No. (if applicable):

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

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 $5000/day.

26. WELL DRILLER (Must be filled out if application is for Well Construction)
Oasis Water Systems Inc
Licensee business name
Elizabeth Lis
Signature
Print
Date
Address
Phone
Fax
E-mail

27. PUMP INSTALLER (Must be filled out if application is for Pump Installation)
Oasis Water Systems Inc
Licensee business name
Elizabeth Lis
Signature
Print
Date
Address
Phone
Fax
E-mail

WPCI Application Form 08/31/2010
For Thermoset Plastic: (check one)
- ABS
- Carbon
- PVC Plastic conforming to ASTM F480

For Stainless Steel:
- ABS Plastic
- Thermoset Plastic: (check one)
- PVC Plastic conforming to ASTM F480

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

Rock or Gravel Packing:
- N/A
- Material:
  - Crushed Basalt
  - Rounded Gravel

Estimated Water Level Elevation:
- 20 ft. msl*

Solid Casing: (≤ 90% x (Ground Elev. - Water Level Elev.))
- Total Length: 200 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: Schedule 40 in.
- Bottom Elevation: 210 ft. msl*

Open Casing:
- □ Perforated
- □ Screen
- Total Length: 60 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: Schedule 40 in.
- Bottom Elevation: 210 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
- Thermocet 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 C960
  - 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
- Thermocet 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 C960
  - 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.

Example: Estimated + 2 ft. Water Level Elev. = Bottom Elevation of Well Limit = (2 - \frac{11.5(2)}{4}) = 18.5 ft.

Solid Casing:
- 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
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- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):
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  - 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 C960
  - PTFE Fluorocarbon Tubing conforming to ASTM D3296
  - FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing:
- □ Perforated
- □ Screen
- Total Length: 60 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: Schedule 40 in.
- Bottom Elevation: 210 ft. msl*

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or:
- Hole Diameter: 6 in.
- Total Length: 200 ft.
- Nominal Diameter: 6 in.
- Wall Thickness: Schedule

Product:
- Material:
  - Steel: compliant
  - Casing
  - PVC Plastic conforming to ASTM F480
- FEP Fluorocarbon Tubing conforming to ASTM D3296
- PTFE Fluorocarbon Tubing conforming to ASTM D3296
- Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C960
- CITIC Application Form 08/31/2010

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