HAWAIIAN DREDGING
CONSTRUCTION COMPANY, INC.

Signed Well Permit
Transmittal 0002

Maul Business Park, P2, Inc 1-North Project
PO Box 4088
Honolulu, Hawaii 96812

Job # 21103
Hawaiian Dredging Construction Company, Inc.

Phone: (808) 620-9111
Fax: (808) 620-9114

To: Charley Ice
State of Hawaii - Hawaii Water Commission
1151 Punchbowl Street, Suite 227
Honolulu, Hawaii 96813
Tel: 808-587-0218
Fax: 

Date: 6/9/2011
Delivered Via: E-mail & US Mail
Sent For: As Requested

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
<th>Qty</th>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>6/9/11</td>
<td>1</td>
<td>State Well No. 5327-07</td>
<td>Signed Well Permit</td>
</tr>
</tbody>
</table>

Cc: Company Name

Contact Name

Copies

Notes

Remarks

Attached is one of the signed copy of the original permit for your files.

Printed on: 6/9/2011

Signed Date: 6/9/11
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL

Central Power Plant Well, Well No. 5327-07

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 abandonment/sealing of Central Power Plant Well (Well No. 5327-07) at Maui, TMK (2) 3-8-079:013, 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, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.
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 application is incorporated into this permit by reference and is 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.
4. The Well Abandonment Report form shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work. Please contact staff or visit our website at www.state.hi.us/dlnr/cwrm for the current form.
5. The permittee shall comply with all applicable laws, rules, and ordinances.
6. The sealing shall be completed within two (2) years.
7. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: May 23, 2011
Expiration Date: December 31, 2012

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 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.

Contractor's Signature: [Signature]
License # 24018 Date: 6/8/11

Printed Name: Peter D. Kwan
Firm or Title: Hawaiian Dredging Constr. Co.
Senior Project Manager

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

Attachment

c: Hawaiian Commercial and Sugar Company
June 2, 2011

Mr. Peter D. Kwan
Hawaiian Dredging and Construction, Inc.
P.O. Box 4088
Honolulu, HI 96812

Dear Mr. Kwan:

Well Abandonment Permit
Central Power Plant Well (Well No. 5327-07)

Enclosed are two (2) copies of your approved Well Abandonment Permit for the captioned well(s) which authorizes well abandonment/sealing activities. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 7:

Special Conditions

1. None

To validate your permit, please sign both permit originals and return one for our files.

IMPORTANT - The contractor is responsible for all conditions of the permit. This includes ensuring that the submission of a completed Well Abandonment Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $5000 per day for any violations of your permit conditions.

If you have any questions, please call Charley Ice of the Commission staff at 587-0218.

Sincerely,

WILLIAM J. AILA, JR.
Chairperson

Enclosures

Ref: 5327-07.wap

C: Hawaiian Commercial and Sugar Company
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL

Central Power Plant Well, Well No. 5327-07

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 abandonment/sealing of Central Power Plant Well (Well No. 5327-07) at Maui, TMK (2) 3-8-079:013, 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, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.
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 application is incorporated into this permit by reference and is 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.
4. The Well Abandonment Report form shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work. Please contact staff or visit our website at www.state.hi.us/dlnr/cwrm for the current form.
5. The permittee shall comply with all applicable laws, rules, and ordinances.
6. The sealing shall be completed within two (2) years.
7. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: May 23, 2011
Expiration Date: December 31, 2012

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 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.

Contractor's Signature: ___________ License # 24018 Date: ___________
Printed Name: __________________________ Firm or Title: __________________________

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

Attachment

C: Hawaiian Commercial and Sugar Company
To: Charley Ice  
State of Hawaii - Hawaii Water Commission  
1151 Punchbowl Street, Suite 227  
Honolulu, Hawaii 96813  
Tel: 808-587-0218  
Fax:  

Date: 5/18/2011  
Delivered Via: E-mail & US Mail  
Sent For: As Requested  

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
<th>Qty</th>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>5/18/11</td>
<td>1</td>
<td>State Well No. 5327-07</td>
<td>Well Application Permit</td>
</tr>
</tbody>
</table>

Cc: Hawaiian Dredging Construction Company, Inc.  

Printed on: 5/18/2011

Charley,  

Attached is the first sheet of the Well Permit application you sent me via e-mail. My project Manager, Peter Kwan, signed it in box 26. The original copy for your file.  

Thanks,  

Ivy
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 521, 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 957-6225. 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) 5327-07
2. WELL NAME Shaft 20 / Central Power Plant
3. ISLAND Maui
4. TIN 8 - 79
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

5. WELL OPERATOR'S NAME/COMPANY
HC&S
6. LANDOWNER'S NAME/HISTORY
Landowner's Contact
Diane Bevilacqua
A&S Properties

7. Proposed Project
- Construct New Well
- Modify Existing Well
- Abandon/Stabilize Well

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

10. Proposed Work
- Drill
- Install New Pump
- Replace Pump

11. Proposed Pump Capacity, gpm (gallons per minute)

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

13. Method of flow measurement
- Flowmeter
- 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)
- Not Required

15. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- No

16. Industrial (describe)
- No

17. Irrigation (describe crop and no. of acres)
- No

18. Military (describe)
- No

19. Other (describe)
- No

20. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- No

21. Conservation District Use Permit (CPUP)
- Not Required

22. Special Management Area Permit (SMA) Required, SMA # See Attached date approved 1-8-10
- Not Required

23. Conservation District in Conservation District
- Yes

24. 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
- A Finding of No Significant Impact has been determined (attach letter) Publication date in The Environmental Notice

25. Water Use Permit No. (if applicable)
- Not Required

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 2 years of the approval date; 2) the contractor shall submit 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.

26. WELL DRILLER (Must be listed if application is for Well Construction)
- Name
- C-571C-57a/A
- Address
- P.O. Box 4088 HONOLULU HI 96812
- License No.
- C-57/2416
- Signature
- Date

27. PUMP INSTALLER (Must be listed if application is for Pump Installation)
- Name
- C-57/2416
- Address
- P.O. Box 4088 HONOLULU HI 96812
- License No.
- C-57/2416
- Signature
- Date

WCPI Application Form 08/31/2010
April 26, 2011

Ms. Diane Bevilacqua
Hawaiian Commercial and Sugar Company
P.O. Box 266
Puunene, HI 96784

Dear Ms. Bevilacqua:

Letter of Assurance for Well No. 5327-07

We have completed the review process for your well Construction/Pump Installation Permit application(s) and the permit(s) are ready to be issued. However, in accordance with the State Water Code, §174C-84(a), the permit can only be issued to a licensed contractor and, to date, one has not been identified for your well(s).

Once you have selected a licensed contractor, please have the contractor sign and return to the Commission a copy of the original application, upon which a permit will be immediately issued provided that 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 the application date.

Also, attached for your information are copies of comments from reviewing agencies.

If you have any questions, please contact Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Maui), extension 70218.

Sincerely,

WILLIAM M. TAM
Deputy Director

Enclosure

c: Tom Nance Water Resource Engineering
Charlie - Attached is a copy of the letter I received regarding the SMA permit for the above noted well closure (old Central Power Plant Well). The County amended our SMA Minor Permit to more clearly include the well.

Please let me know if you have any questions. Thanks.

Diane P. Bevilacqua, PE
Project Manager, Development
A&B Properties, Inc.
11 Puunene Avenue
Kahului, HI 96732
(808) 872-4302
(808) 871-7497 fax

Notice: This message, including any attachments, is intended for the use of the party to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure. If you are not the intended recipient, any dissemination, distribution or copying of this communication is strictly prohibited. If you received this communication in error, please contact the sender immediately by reply e-mail, and delete the original and any copies of this message. It is the sole responsibility of the recipient to ensure that this message and any attachments are virus free.
Ms. Diane Bevilacqua
A & B Properties, Inc.
P.O. Box 156
Kahului, Hawaii 96733

Dear Ms. Bevilacqua:

SUBJECT: AMENDMENT TO A SPECIAL MANAGEMENT AREA (SMA) MINOR PERMIT FOR THE DEMOLITION OF BUILDINGS AND OTHER RELATED STRUCTURES AT THE FORMER CENTRAL MAUI POWER PLANT LOCATED ALONG HALEAKALA HIGHWAY, KAHULUI, ISLAND OF MAUI, HAWAII; TMK: (2) 3-8-079:013 (SMX 2008/0391) (SM2 2010/0003)

Per your e-mail dated March 1, 2011, the Department of Planning (Department) understands that part of the project listed above should have included the closure of an existing well on the property. Closure of this well was inadvertently not listed in the SMA demolition application. As such, your SMA Minor Permit has been amended to include closure of the well. You are subject to the original conditions of the permit, with the exception of Conditions No. 1 and No. 2 which have been revised to reflect the amendment.

In consideration of the above determination, you are hereby granted a SMA Minor Permit Approval (SM2 2010/0003), subject to the following conditions:

1. That the proposed project shall be in accordance with the description and plans submitted on August 23, 2008, and amendment request on March 1, 2011.

2. That construction of the project be initiated by December 31, 2010, and completed within two (2) years of said initiation.

3. That Best Management Practices (BMPs) be utilized throughout the duration of the project in order to minimize dust, noise, and runoff.

4. That all items removed from the property be disposed of properly, at a facility permitted to receive and handle such items.

5. That all work shall immediately cease and the State Historic Preservation Division office on Maui be contacted at (808) 244-5169 should any historical or archaeological artifacts be discovered during ground-altering activities.
6. That full compliance with all other applicable governmental requirements shall be rendered.

Thank you for your cooperation. If additional clarification is required, please contact Staff Planner Danny Dias at danny.dias@maucounty.gov or at (808) 270-7557.

Sincerely,

CLAYTON I. YOSHIDA, AICP
Planning Program Administrator

for WILLIAM SPENCE
Planning Director

xc: Aaron H. Shinmoto, PE, Planning Program Administrator (2)
Danny A. Dias, Staff Planner
CZM File (SMX/SM2)
Project File
General File

K:\WP_DOCS\PLANNING\SM2\2010\0003_CentralPlantDemo\Revision Approval.wpd
DATE: 2/22/11

TO: ()

CC: ()

DLNR - CHAIRPERSON'S OFFICE DEPARTMENT ROUTESLIP

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/files
- Distribute to office staff
- Other (see below comments)

*For tracking purposes, please refer to log number

COMMENTS/REMARKS:

Chairley - HTC's at 90% scaling. 5321-07 No new well proposed I believe. Right - there still needs to be an SRA
application, and it may get exempted.
<table>
<thead>
<tr>
<th>Route</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHARLENE UNOKI</td>
</tr>
<tr>
<td></td>
<td>ARTHUR BUTO</td>
</tr>
<tr>
<td></td>
<td>BARBARA LEE</td>
</tr>
<tr>
<td></td>
<td>DARLENE ARIOLA</td>
</tr>
<tr>
<td></td>
<td>GARY MARTIN</td>
</tr>
<tr>
<td></td>
<td>GAVIN CHUN</td>
</tr>
<tr>
<td></td>
<td>IAN HIROKAWA</td>
</tr>
<tr>
<td></td>
<td>KEITH CHUN</td>
</tr>
<tr>
<td></td>
<td>LYDIA MORIKAWA</td>
</tr>
<tr>
<td></td>
<td>MORRIS ATTA</td>
</tr>
<tr>
<td></td>
<td>RUSSELL TSUJI</td>
</tr>
<tr>
<td></td>
<td>STEVE MOLMEN</td>
</tr>
</tbody>
</table>

**Comments/Instructions:** send to UWRM
Mr. William J. Aila, Jr., Chairperson  
State of Hawaii  
Department of Land and Natural Resources  
P.O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Aila:

SUBJECT: SPECIAL MANAGEMENT AREA (SMA) PERMIT REQUIREMENT FOR THE PROPOSED KAHULUI CENTRAL POWER PLANT WELL, LOCATED ALONG HALEAKALA HIGHWAY, ISLAND OF MAUI, HAWAII; TMK: (2) 3-8-079:013 (POR.) (RFC 2011/0017)

The Department of Planning (Department) is in receipt of your letter, dated January 31, 2011, requesting clarification on whether a SMA Permit will be required for the Department of Land and Natural Resources-Commission on Water Resource Management's proposal to construct a new well. The new well will be located on property that once contained the Kahului Central Power Plant. According to the SMA maps on file with the Department, the property is located within the SMA. As such, a SMA Permit will be required.

Thank you for the opportunity to comment. Please include the Department on the distribution list for the Draft. Should you require further clarification, please contact Staff Planner Danny Dias at danny.dias@mauicounty.gov or at (808) 270-7557.

Sincerely,

DANNY A. DIAS  
Staff Planner

for WILLIAM SPENCE  
Planning Director

xc: Clayton I. Yoshida, AICP, Planning Program Administrator  
Danny A. Dias, Staff Planner  
RFC File  
General File  
WRS:CIY:DAD:vb  
K:WP_DOCS\PLANNING\RFC\2011\0017_DLNR Well Kahului\SMAComments.doc
Charley,

The Maui Business Park plans include an atypical well/vault that needs to be abandoned. Does CWRM have any particular requirements for this or can it be done by a general contractor? The generals aren’t asking for a quote but I noticed it while reviewing the bid documents.

Dwight Ho
(808) 722-0660

Sketch D Well Closure Cesspool Demolition Addendum 2.pdf
NOTES:
1. DEMOLISH AND REMOVE EXISTING CONCRETE VAULT FOUNDATION AND EXISTING TUNNELS PER SPECIFICATIONS AS AND DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MILE HOLES AND UTILITY LINES PRIOR TO START OF CONSTRUCTION.
3. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED IN PLACE.
4. ALL EXCAVATION WORK MUST BE PERFORMED SUCH THAT EXISTING UTILITY LINES SHALL BE EARN IN ACCORDANCE TO THE S. G. REPORT BY HIRATA & ASSOCIATES, INC. DATED FEBRUARY 20, 2009 AND ALL MUST COMPLIMENT.
February 15, 2011

TO: William M. Tam, Deputy Director
DLNR Commission on Water Resource Management
PO Box 621
Honolulu, Hawaii 96809

FROM: Morgan E. Davis, Lead Archaeologist/Maui Island Section
State Historic Preservation Division

SUBJECT: Chapter 6E-8 Historic Preservation Review –
Well Construction Permit Application, Kahului Central Power Plant Well (Well No. 5327-07), Shaft 20/Central Power Plant
Wailuku Ahupua'a, Wailuku District, Island of Maui
TMK: (2) 3-8-079:013 (por.)

Thank you for the opportunity to comment on the aforementioned project, which we received on February 3, 2011.

This project entails capping/sealing an existing well. The Kahului Central Power Plant complex, which is no longer in operation, was originally constructed by the Kahului Railroad Company. The complex does qualify as an historic property significant under criterion “c” ("...embodies the distinctive characteristics of a type, period..."), and assorted demolition permits have been reviewed by our Architecture Branch. SHPD previously requested documentation of remaining historic structures within the complex meeting Historic American Building Survey (HABS) Standards. These photographs were received by SHPD in 2008 and were accepted (Log No. 2008.4934, Doc No. 0812ST31).

Given the above information and with the understanding that this well permit is to seal an existing well and not to drill a new one, we determine that there will be no effect to historic properties by this project.

In the event that historic resources, including human skeletal remains and/or cultural materials are identified during the 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, Maui Island Section, needs to be contacted immediately at (808) 243-1285.

If you have questions about this letter please contact me at (808) 243-5169 or via email to: morgan.e.davis@hawaii.gov.
January 31, 2011

TO: Russell Tsuji, Administrator
Land Division

FROM: William M. Tam, Deputy Director
Commission on Water Resource Management

SUBJECT: Well Construction Permit Application
Kahului Central Power Plant Well (Well No. 5327-07) TMK (2) 3-8-079:013

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 March 2, 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.

CSS
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

[X] Other comments: Original source of private title is Grant 3343, issued prior to statehood.

Contact Person: Gary Martin Phone: 587-0421

Signed: Gary Martin Date: 2/17/11
thanks

Tom

On Mon, Feb 14, 2011 at 9:42 AM, <Charley.F.Ice@hawaii.gov> wrote:

A general contractor should be fine for this. We're in the process of reviewing the well standards, and this is one item we want to clarify!

Charile:

Thanks for your response. As we discussed, this well abandonment is not the typical drilled well. It entails back filling a large pump sump, work more suited to a general contractor rather than a well driller with a C-57 license. Can the general contractor sign the permit?

Tom

On Wed, Feb 9, 2011 at 11:07 AM, <Charley.F.Ice@hawaii.gov> wrote:

(5327-07). The review period runs to March 2. Then we'll issue an LoA, unless you have someone hired, who can sign your initial application so we can issue WCP directly

--

Tom Nance Water Resource Engineering
680 Ala Moana Boulevard - Suite 406
Honolulu, Hawaii 96813

Tel: 808-537-1141 / Fax: 808-538-7757
Tom Nance Water Resource Engineering
680 Ala Moana Boulevard - Suite 406
Honolulu, Hawaii  96813

Tel: 808-537-1141 / Fax: 808-538-7757
January 31, 2011

Ms. Diane Bevilacqua
Hawaiian Commercial and Sugar Company
P.O. Box 266
Puunene, HI 96784

Dear Ms. Bevilacqua:

Well Construction Permit Application for Well No. 5327-07

We have received your Well Construction permit application and filing fee for the Kahului Central Power Plant Well (Well No. 5327-07). However, pursuant to the State Water Code, HRS §174C-84(a), the Commission on Water Resource Management can only issue well construction and pump installation permits to contractors who hold valid a C-57, C-57a, or A (for pump installation only) license issued by the State of Hawaii, Department of Commerce and Consumer Affairs, Professional and Vocational Licensing Division. Because you have not identified a qualifying contractor, your application will not be accepted as complete until a qualifying contractor signs and completes sections 24 & 25 on the application form.

However, we can process your incomplete issuance of a permit, we will send such notification to the contractor in lieu of the permit. A letter will be sent after your contractor signs the original application, proposed well site or well construction will be reviewed for applicable laws, rules, regulations; and conditions at the proposed well site.

For your information, the attached letter outlines requirements for drilling or modifying a well, as well as responsible parties, and deadline for subsurface, permanent, 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 Charley Ice of the Commission staff at 587-0218 or toll-free at 984-2400 (Maui), extension 70218.

Sincerely,

WILLIAM M. TAM
Deputy Director

Cl:ss
Attachment
c: HC&S
A&B Properties
Tom Nance Water Resource Engineering
January 31, 2011

TO: Russell Tsuji, Administrator
    Land Division

FROM: William M. Tam, Deputy Director
    Commission on Water Resource Management

SUBJECT: Well Construction Permit Application
    Kahului Central Power Plant Well (Well No. 5327-07) TMK (2) 3-8-079:013

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 March 2, 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.

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

January 31, 2011

TO: Dr. Puaalaokalani Aiu, Administrator
   Historic Preservation

FROM: William M. Tam, Deputy Director
      Commission on Water Resource Management

SUBJECT: Well Construction Permit Application
         Kahului Central Power Plant Well (Well No. 5327-07) TMK (2) 3-8-079:013

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 March 2, 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 Ryan Imata of the Commission staff at 587-0255. 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: __________
Mr. William Spence, Director
Planning Department
County of Maui
250 South High Street
Wailuku, HI 96793

Dear Mr. Spence:

Special Management Area Use Permit Requirements for
Well Construction Permit Application
Kahului Central Power Plant Well (Well No. 5327-07)

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 SMA permitting requirements specific to your division. Please respond by returning this cover memo form by March 2, 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,

WILLIAM J. AILA, JR.
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: ______________
January 31, 2011

Mr. Dave Taylor, Director
Department of Water Supply
County of Maui
200 South High Street
Wailuku, HI 96793

Dear Mr. Taylor:

Well Construction/Pump Installation Permit Review
Well Construction Permit Application
Kahului Central Power Plant Well (Well No. 5327-07)

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 March 2, 2011. If we do not receive comments we will assume you have no comments.

If you have any questions about this permit application, please contact Charley Ice of the Commission staff at 587-0251.

Sincerely,

WILLIAM J. AILA, JR.
Chairperson

CI: ss
Attachment
COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: CHARLEY
DATE: 11-Jan-11

TO: 
INIT. TO: 
1 FUJII, N. KUNIMURA, I. 1 Approval
2 HARDY, R. NAKAMA, L. 3 Signature
3 HOAGBIN, S. UYENO, D. Info
4 ICE, C. YODA, K.
5 IMATA, R. YOSHINAGA, M.

FOR: 
INIT. FOR:
1 Approval
3 Signature
Info

PLEASE:
1 Review & Comment
2 Type Final, label file folder, update People.db
4 File & Input Issue Date
5 Xerox ___ copies

WELL NUMBER 5327-07 WELL NAME Central Power Plant WUP Number na

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER cover it to be circulated
2 PERMIT PROCESS TABLE making 1-mile radius and penciling in on hanging maps
3 CWRM MAPS
4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNERR VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN
10 BACKGROUND CHECK
11 $25 FEE DEPOSIT SLIP
12 DHP/CUP/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)
13 EA 343 5(a) triggers?

DATE ACTION
24 Jan 11 LoA route

INCOMPLETE ACTION DATES:

FILE FOLDER:
MADE NEW FILE FOLDER, ATTACHED
FILE FOLDER ALREADY MADE, IN FILE CABINET
<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo Tnr</th>
<th>Address</th>
<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
<th>Liv area</th>
<th>Last Sale</th>
<th>Instr</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3-8-79-13</td>
<td>F Dairy Rd</td>
<td>ALEXANDER &amp; BALDWIN INC</td>
<td>0 0 38.19 ac 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Copyright ©1/24/2011 by Hawaii Information Service
<table>
<thead>
<tr>
<th>F</th>
<th>YR</th>
<th>APP</th>
<th>D</th>
<th>OBJ</th>
<th>CTR</th>
<th>PROJECT</th>
<th>PH</th>
<th>ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (WANG INPUT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>11</td>
<td>326</td>
<td>C</td>
<td>1026</td>
<td>0752</td>
<td>(1)</td>
<td></td>
<td></td>
<td>$25.00</td>
<td>TNWRE INC.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(9)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(10)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTAL</td>
<td></td>
<td></td>
<td>$25.00</td>
<td></td>
</tr>
</tbody>
</table>

REMARKS: LINE (1) 5327-07 (Shaft 20 / Central Power Plant)
Ms. Lenore Ohye  
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 Ms. Ohye:

Application to Abandon/Seal State Well 5327-07  
(Shaft 20) at the Abandoned Central Power Plant Site  
in Kahului, Maui

Enclosed are an application, $25 filing fee, and supporting documentation to abandon/seal State Well 5327-07 at the abandoned Central Power Plant site. The skimming-type well, also known as Shaft 20, was reportedly constructed in 1894. No drawings of the well could be found in the files of HC&S and A&B. Its dimensions are reported in Stearns and MacDonald (1946:216) and in Appendix C on DLNR Circular C62 by Kiyoshi Takasaki. It is in a 25 by 20 by 14 feet deep concrete vault and has, one 150-foot long skimming tunnel and four drilled wells of unknown location. The floor of the concrete vault is about three (3) feet above the groundwater level and there are several openings in the floor that provided access for three main pumps. The route of the skimming tunnel, although not known exactly, appears to run in a west-southwest direction.

Buildings at the central power plant site have recently been demolished and most of the ground level and subsurface infrastructure has also been removed. Proposed sealing of the well would consist of the following steps:

- The four 14-foot high walls of the well vault would be removed.
- Using the existing openings in the pump sump floor and creating additional openings for access, the sump below the floor would be backfilled with 3-inch (minus) basalt gravel to a minimum of six (6) inches above the water table.
- After backfilling through the openings is completed, the floor of the concrete vault would be broken up.
- Additional backfilling, as needed, would be done so that the entire exposure of groundwater is backfilled with gravel to six inches above the water table.
Following backfilling with the select gravel, a geotextile fabric (Mirafi 140N or equivalent) would be installed across the entire backfilled surface.

Following this, the entire area from the geotextile fabric to the ground surface would be backfilled in lifts, a total fill depth on the order of 16 to 17 feet.

If you have any questions or require additional information, feel free to call Diane Bevilacqua at A&B (808-872-4302) or me. Thank you for your attention to this matter.

Sincerely,

Tom Nance

cc: Diane Bevilacqua - A&B

Attachments
 Instructions: Please ensure that the application is accepted as complete.

1. STATE WELL NO. (if already assigned): 5327-07
2. WELL NAME: Shaft 20 / Central Power Plant
3. ISLAND: Maui
4. TMK: 3 8 79 13

The following must be attached before this application is accepted as complete:
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure
- For day wells, attach a grading plan with cross section profiles showing existing and finished grades.
- Photograph
- Portion
- Property
- An Environmental Assessment was completed, and an Environmental Impact Statement was required and has been accepted (attach letter of acceptance).
- A Finding of No Significant Impact has been determined (attach letter). Public date in The Environmental Notice.

20. 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 SHPD.

21. Conservation District Use Permit (CDUP)
- I have consulted with the Conservation District about whether or not a CDUP is required.
- Construction District
- Not Required (attach documentation from applicable County agency)
- Well is in Conservation District
- I have not checked with the county about whether or not a CDUP is required.
- Water to Energy Facility
- Water to energy
- Existing
- Existing and existing
- The construction, expansion or modification of helicopter facility
- None of the above

22. Special Management Area Permit (SMAP)
- I have not checked with the county about whether or not an SMA Permit is required.
- Not Required
- SMA Permit
- Required, SMA Permit
- I have not checked with the county about whether or not an SMA Permit is required.
- PermitclsMAP
- Not Required
- Required.

23. Water Use Permit No. (if applicable)
- Not 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 to compliance, and any work done while the permit is in suspension may result in fines of up to $30,000/day.

Licensee business name: C-57 License No.
Signature
Print Date
Address
Phone
Fax E-mail

Licensee business name: C-57/C-57A License No.
Signature
Print Date
Address
Phone
Fax E-mail

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 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 587-0325. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/wrm.

WELL LOCATION INFORMATION

1. STATE WELL NO. (if already assigned): 5327-07
2. WELL NAME: Shaft 20 / Central Power Plant
3. ISLAND: Maui
4. TMK: 3 8 79 13

The following must be attached before this application is accepted as complete:
- Photograph of the proposed well site
- A schematic diagram showing the well site, access road and proposed well infrastructure

PROPOSED WELL CONSTRUCTION

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

PROPOSED PUMP INSTALLATION

16. Domestic Number of units to be served: 6

OTHER LEGAL REQUIREMENTS

21. Conservation District Use Permit (CDUP)

22. Special Management Area Permit (SMAP)

23. Water Use Permit No. (if applicable)

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 to compliance, and any work done while the permit is in suspension may result in fines of up to $30,000/day.

Licensee business name: C-57 License No.
Signature
Print Date
Address
Phone
Fax E-mail

Licensee business name: C-57/C-57A License No.
Signature
Print Date
Address
Phone
Fax E-mail

WCP Application Form 08/31/2010
Well 5327-01 is a Skimming Shaft With a Concrete Pump Sump

PROPOSED WELL SECTION

(Grouting method:
- Solid
- Stainless Steel
- Thermoset Plastic
- PVC Plastic
- Carbon Steel

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

Grouting method:
- Positive displacement
- Other

Casing:
- Rock or Gravel Packing
- Material
- Crushed Basalt
- Round Gravel
- Reinforced
- Filament Wound Resin
- Glass Fiber Reinforced Resin
- Centrifugally Cast Resin
- Thermoset Plastic
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- Reinforced Plastic Mortar Pressure Pipe conformed 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:
- Perforated
- Screen

Material:
- Pressure Pipe conforming to AWWA C950
- Pressure Pipe conformed to ASTM D2997
- Type E
- ASTM A409 (monitor wells)

Thick Concrete

Note: Neither bentonite nor mud should be used in saturated zone during drilling.

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 = \( \frac{\text{Water Elevation} \times \text{Water Level Elevation}}{4} \)

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

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

Stainless Steel: compliant with (check one or more):
- ASTM A409 (production wells)
- ASTM A519 (monitor wells)

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

Thermostat Plastic: (check one)
- Filament Wound Resin Pipe conforming to ASTM D2995
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- Reinforced Plastic Mortar Pressure Pipe conformed to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
- PTFE 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: compliant with (check one or more):
- ASTM A409 (production wells)
- ASTM A519 (monitor wells)

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

Thermostat Plastic: (check one)
- Filament Wound Resin Pipe conforming to ASTM D2995
- Centrifugally Cast Resin Pipe conforming to ASTM D2997
- Reinforced Plastic Mortar Pressure Pipe conformed to ASTM D3517
- Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950
- PTFE Fluorocarbon Tubing conforming to ASTM D3296
- FEP Fluorocarbon Tubing conforming to ASTM D3296

Hawaii Well Construction and Pump Installation Standards:

Please refer to the Hawaii Well Construction and Pump Installation Standards to ensure that your as-built is in compliance with applicable standards.

Shaft 20 / Central Power Plant

IWPL Application Form 08/31/2010
December 9, 2008

Mr. Hideo Kawahara
Alexander & Baldwin
P.O. Box 156
Kahului, Maui, HI 96733

Dear Mr. Kawahara:

SUBJECT: Chapter 6E-42 (HRS) Review

Hawaiian Commercial & Sugar (HC&S) Company (Kahului Railroad Company), Central Power Plant - Demolition of Existing Structures: Power Plant (CPP-001 & CPP-002), Storeroom (CPP-003), Machine Shops (CPP-004), Boiler Shop (CPP-005), Shed (CPP-006), and Diesel Building (CPP-007)
Located at 590 Haleakala Highway
#B T2008-1840, -1842, -1843, -1844, and -1845
Kahului, Island of Maui, Hawaii
TMK: (2) 3-8-079:013

This is in regards to the building applications for the demolition of the existing Central Power Plant complex originally built by the Kahului Railroad Company. Thank you for the submittal of photocopies/CD of photographs, historic resource inventory surveys, and site plans. The property is not listed on the Hawaii or National Registers of Historic Places. Our determination for this review is “effect, with agreed-upon mitigation commitments.” We have no comments on the demolition of a shed that was built in the 1980s since it is less than 50 years old, therefore not qualifying for a “historic property” designation.

Except for the Diesel Building that has already collapsed, SHPD feels that the structures on the property (built 1917/1922/1927), still retain the look and feel of the historic complex in spite of the lack of maintenance. In addition, the property derives significance as it was constructed by the Kahului Railroad Company, was acquired in 1899 by the Hawaiian Commercial & Sugar Company (HC&S), provided the first electrical infrastructure for Wailuku-Kahului-Paia-Puunene, and is currently owned by Alexander and Baldwin. We concur that the structures are significant under Criteria C (“that embody(s) the distinctive characteristics of a type, period, or method of construction, ...that represent(s) a significant and distinguishable entity whose components may lack individual distinction...”).
We acknowledge receipt of the surveys, CD, and site plans. However given the significance of the property, SHPD concurs with documentation meeting Historic American Building Survey (HABS) Standards provided to Maui County’s Planning Department. Maui County e-mailed a copy of the narrative portion to SHPD (December 11, 2008) and will be sending us the photographs. Therefore, the historic preservation review process is completed.

In addition, we encourage the owners to consider the opportunity for salvage and reuse of historic materials, such as original doors, walls, windows, and hardware. Should reuse not be possible, companies such as Reuse Hawaii and Habitat for Humanity accept similar materials.

Thank you for the opportunity to comment. Archaeology concerns will be addressed separately. Should you have any questions regarding architectural concerns, please call Susan Tasaki at (808) 692-8015.

Sincerely,

Astrid M.B. Liverman, Ph.D.
Architecture Branch Chief

Cc: Mr. Stanley Solamillo, Planner, Department of Planning, County of Maui, 250 South High Street, Wailuku, Maui, HI 96793

County of Maui, Development Services, Building Permit Section, 250 South High Street, Wailuku, Maui, HI 96793

Ms. Jenny Pickett, SHPD Archaeology Branch, Maui Island
Dear Mr. Heafey:

SUBJECT: Hawaiian Commercial & Sugar (HC&S) Company Central Power Plant Buildings/Offices (CPP-001 and CPP-002), Storage Building (CPP-003), Machine Shop (CPP-004), Boiler Shop (CPP-005), Shed and Diesel Shop (CPP-006 and CPP-007), 590 Haleakala Highway, Kahului, Hawai‘i, TMK (2) 3-8-079: 013 (BT 2008/1840-1844, BT 2008/1845)

Pursuant to the provisions of 36 CFR 800, the above buildings include Power Plant Buildings (CPP-001 and CPP-002) which appear to have been built in 1917 and 1920 with an office addition that was erected in 1923; a Storage Building (CPP-003) that appears to have been erected in 1927; a Machine Shop (CPP-004) that appears to have been constructed in 1922; a Boiler Shop (CPP-005) that appears to have been built in 1922; and, a Diesel Shop and Shed (CPP-006 and CPP-007) which appear to have been constructed in 1927 and 1980, respectively.

All buildings at this site, with the exception of the Diesel Shop which has collapsed and the Shed which is modern, have been determined to be eligible for listing in the National Register of Historic Places, and as such will incur “adverse effects” as a result of the proposed activity. The recommended mitigation is Historic American Building Survey (HABS) Level III, which includes a floor plans, large format black and white photographs, and HABS data sheets. You have submitted the above documentation which meets the HABS standards and consequently, no further documentation is recommended or required.

Please contact Stanley Solamillo, Cultural Resource Planner, at 270-7506 or via cell phone at 250-3273 if you have any questions or need further clarification.

Sincerely,

Jeffrey S. Hunt, AICP
Planning Director
Ms. Diane Bevilacqua  
A & B Properties, Inc.  
P.O. Box 156  
Kahului, Hawai'i 96733  

Dear Ms. Bevilacqua:  

SUBJECT: SPECIAL MANAGEMENT AREA MINOR PERMIT FOR THE DEMOLITION OF BUILDINGS AND OTHER RELATED STRUCTURES AT THE FORMER CENTRAL MAUl POWER PLANT LOCATED ALONG HALEAKALA HIGHWAY, KAHULUI, ISLAND OF MAUl, HAWAI'i; TMK: (2) 3-8-079: 013 (SMX 2008/0391) (SM2 2010/0003)  

In response to your application received by the Department of Planning and in accordance with the Special Management Area Rules for the Maui Planning Commission, Sections 12-202-12 and 12-202-14, a determination has been made relative to the above project that:  

1. The project is a development;  
2. The project has a valuation not in excess of $125,000.00 (Claimed Valuation: $120,000.00);  
3. The project has no significant adverse environmental or ecological effects, taking into account potential cumulative effects; and  
4. The project is consistent with the objectives, policies, and Special Management guidelines set forth in the Hawaii Revised Statutes (HRS), Chapter 205-A, and is consistent with the County General Plan and Zoning.  

In consideration of the above determination, you are hereby granted a Special Management Area Minor Permit approval, subject to the following conditions:  

1. That the proposed project shall be in accordance with the description and plans submitted on August 23, 2008.  
2. That construction of the project be initiated by December 31, 2010, and completed within one (1) year of said initiation.
3. That Best Management Practices (BMP's) be utilized throughout the duration of the project in order to minimize dust, noise, and runoff.

4. That all items removed from the property be disposed of properly, at a facility permitted to receive and handle such items.

5. That all work shall immediately cease and the State Historic Preservation Division office on Maui be contacted at 808-244-5169 should any historical or archeological artifacts be discovered during ground-altering activities.

6. That full compliance with all other applicable governmental requirements shall be rendered.

Thank you for your cooperation. If additional clarification is required, please contact Staff Planner Danny Dias by e-mail at danny.dias@mauicounty.gov or by phone at 808-270-7557.

Sincerely,

Clayton I. Yoshida
Planning Program Administrator

for JEFFREY S. HUNT, AICP
Planning Director

xc: Clayton I. Yoshida, AICP, Planning Program Administrator
    Aaron H. Shinmoto, PE, Planning Program Administrator (2)
    Danny A. Dias, Staff Planner
    Development Services Administration
    SM2 Minor Permit File
    General File

JSH:CIY:DAD:bv
K:\WP_DOCS\PLANNING\SM2\2010\0003_CentralPlantDemoApproval.wpd
NOTES:
1. DEMOLISH AND REMOVE EXISTING CONCRETE VAULT AND EARTHEN TUNNELS PER SPECIFICATIONS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. EXISTING TRENCHES SHALL BE REMOVED OR RELINED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. CONSTRUCTION DRAWS SHALL BE REVIEWED BY OWNER LATER DURING JOB.
4. EXISTING UTILITIES IN VAULTS SHALL BE PROTECTED AS PER PLAN.
5. ALL EXISTING WORK AT UNDERGROUND SUB-STRUCTURES SHALL BE DETAILED IN ACCORDANCE TO THE OWNER'S SPECIFICATIONS.

DEMOlITION PLAN
SCALE: 1"=10'

NORTH PROJECT AREA
MAUI BUSINESS PARK - PHASE II
LOTS 1-3
KAHULUI, MAUI, HAWAII

DEMOlITION OF VAULT & EARTHEN TUNNEL

KEY MAP

[Diagram of site with notes and specifications]
Looking Back at the Vault for Well 5327-07 from the Approximate End of its Skimming Tunnel
Looking Down on the Concrete Vault of Well 5327-07
December 23, 2002

Mr. Randall Moore
Hawaiian Commercial and Sugar
P.O. Box 266
Puunene, HI 96784

Dear Mr. Moore:

Well Completion Report for Well No. 5327-07

We received your Well Completion Report Part II for the Central Power Plant (Kanaha) Well (Well No. 5327-07) on November 25, 2002 and acknowledge that it is complete. This completes the permitting requirements for this well.

If you have any questions, please contact Charley Ice of the Commission staff at 587-0251 or toll-free at 984-2400, extension 70251.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

Cc: William L. Pyle, P.E.
MEMO and ROUTE SLIP

11/26/02

WCR 2 Check for Well No. 5327-07 (survey to regulation memo)

1. **Pump Tests Check** *(special condition of PIP? Yes/No)*  Glenn Bauer (initial if yes)

   |   |   |
   |---|---|---|
   | _ | _ | _ |

   Step-Drawdown Test:
   - followed WCPI Stds
   - analysis attached
   - proposed pump cap o.k.

   _do not do_

   Aquifer Pump Test:
   - followed WCPI Stds
   - T & S analysis attached

   _good work_

   Well Interference:
   - estimated Steady-State
   - drawdown at 1-mile radius is _____ ft.
   - analysis attached

   Stream Surface Water Impacted:
   - If yes, identify most probable stream

2. **Pump Installation Check**  Mitch Ohye (initial)

   |   |   |
   |---|---|---|
   | _ | _ | _ |

   data complete
   followed WCPI Stds
   well database updated

3. Charley/Lenore/Ryan (initial) take action based on above analysis

4. Roy (initial) check

5. Sub (initial) finalize

6. Tunnel (initial) signature

7. Charley/Lenore/Ryan File
Mr. Charley Ice  
Commission on Water Resource Management  
State of Hawaii  
PO Box 621  
Honolulu, Hawaii 96809

Re: HC&S Well Installation Completion Report, Well # 5327-07, known as the Central Power Plant (CPP) Well.

Dear Mr. Ice,

Attached is the Well Completion Report, Part II, Pump Installation, for the HC&S CPP well #5327-07. Also included is a drawdown test conducted during the initial start-up of one of the 500 gpm pumps on October 29, 2002. The 4” pipe out to the field is incapable of carrying more than the 520 gpm indicated in this test. The daily usage from this well will be below this amount, usually somewhere in the 50 to 200 gpm range, and at the low end of this range until more acres of taro plantings are completed.

There are undefined tidal influences in this well that prevent a completely accurate assessment of drawdown and recovery levels. For two hours prior to the start of this test the water level rose 2 inches due to tidal influence. This well has not been pumped since 1954, so the levels being observed were undisturbed levels. The high tide at nearby Kahului Harbor was at 10 am. The water level in the well continued to rise for two hours after that, indicating a lag between the high tide at Kahului Harbor and at this well.

A USGS report by Takasaki (Circular C62, August, 1972) indicates that the well had been previously pumped by HC&S (prior to 1954) at eight MGD (5,600 gpm) “average draft at time of maximum use”. This report indicates a measured water level of 3.36 feet above msl on December 5, 1970, which compares favorably with the measured water levels of 3.54’ and 3.71’ on 10/29/02, prior to the initial pumping.

Stearns and MacDonald (1942) listed the CPP well as having three pumps each capable of pumping 5 MGD, and shows the average drawdown to be 8 feet. The static water level was shown at 2.9 feet. The current usage for taro irrigation using drip irrigation methods will be a very small fraction of the previous historic usage.

Sincerely,

William L. Pyle, PE  
Civil Engineer #4146  
State of Hawaii


PHONE: (808) 572-5910, FAX: (808) 572-4954
**State of Hawaii**
**COMMISSION ON WATER RESOURCE MANAGEMENT**
**Department of Land and Natural Resources**

**WELL COMPLETION REPORT - PART II**

**Pump Installation**

**Instructions:** Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work.

For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 587-0225. For updates to this form or additional information, please visit our website at [http://www.state.hi.us/dlnr/cwrm/](http://www.state.hi.us/dlnr/cwrm/)

1. **State Well No.:** 5327-07  
   **Well Name:** CPP Well (Old Shaft 20)  
   **Island:** MAUI

2. **Address:** KAHULUI  
   **Tax Map Key:** 3-8-79-13

3. **Pump Installation Company:** ALLI MECHANICAL CONTRACTING

4. **Date Pump Installed:** 10-28-02  
   **NOTE:** BOTH PUMPS HAVE SAME SERIAL #

5. **PERMANENT PUMP INFORMATION**  
   (Attach pump specifications and rating curve)
   - **Pump Type, Make, Serial No.:** VERTICAL TURBINE, PEERLESS  
     **Serial #:** 521277
   - **Rated Capacity:** 500 gpm each  
     gpm at head of: 165 ft.
   - **Motor Type, H.P., Voltage, rpm:** 30HP, 460V, 3 PHASE, 1760 RPM
   - **Type of flow meter:** TURBINE 3' which measures in TOTAL GALLONS
     - **Model Number:** MASTER METER  
       **Serial Number:** 3109247

6. **Pump type (check one):**
   - [x] Deep Well-Turbine  
   - [ ] Submersible  
   - [ ] Centrifugal  
   - [ ] Rotary  
   - [ ] Rotary-Displacement  
   - [ ] Reciprocating  
   - [ ] Propeller  
   - [ ] Impulse

7. **Method of flow measurement:**
   - [x] Flowmeter  
     - **Manufacturer:** MASTER METER  
       **Make:** TURBINE  
       **Size:** 3''
     - [ ] Weir  
     - [ ] Open Pipe  
     - [ ] Orifice*  
     - [ ] Other*, explain below
   *attach schematic

8. **Fill in the as-built section on the other side of this sheet.**

9. **Attach photograph of well and concrete pad clearly showing benchmark on concrete pad.**

10. **Other remarks/comments:**

    [Space for remarks]

---

**Pump Installation Contractor (print):** ALLI MECHANICAL CONTRACTING  
**License No.:** ABC 23641

**Signature:** [Signature]

**Date:** 11-01-02

---

**Permittee (print):** Randall C. Moore

**Signature:** [Signature]

**Date:** 11/1/02

---

WCR2 Form 12/4/01 Page 1 of 2
9. AS-BUILT PUMP SECTION  
(Please attach as-built if different from diagram provided below)

Bench mark elevation surveyed to nearest 0.01 ft. = 4.30 ft. mean sea level

6-5-27-07 CENTRAL POWER PLANT

Elevation of top of chase tube 4.81 ft. mean sea level

Pump intake depth = 9.66 ft. (referenced to bench mark)

Chase tube depth = 15 ft. (referenced to bench mark)

If airline installed, bottom of airline elevation = __________ ft. mean sea level

Note: Chase tube is bottomed out in sump. Slots are cut in chase tube to allow water to equalize. Top of CHASE TUBE IS 6" ABOVE FLOOR.
HC&S CPP Well #5327-07, Kahului, Maui, Hawaii

Typical Cross Section at Pump Access Hole
Updated per data @ 9:45 am, October 29, 2002
Pump Test  
Well # 5327-07  
HC&S, CPP Well  
Conducted by William L. Pyle  
10/29/2002  

During this test, the water level was referenced to the concrete floor level above the water. This floor has been historically referenced as being at an elevation of 4.31 feet. The water level in the well has been referenced by HC&S Co. as being at an elevation of 2.88 feet. On 10/29/02 at 9:45 am the water level was 0.60 ft. below the floor, or at an elevation of 3.54 feet. Two hours later at 11:45 am the water had risen 2" to an elevation of 3.71 feet.

There is an obvious tidal influence in this well, which will affect any evaluation of draw-down and recovery without knowing the exact tidal levels within this well at the time of each observation. High tide at Kahului Harbor on this day was at 10 am. This well had an increasing tidal effect for two hours after that time, which indicates that the tidal influence in this well lags behind the tidal influence at Kahului Harbor.

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Elapsed Time</th>
<th>Elevation Feet</th>
<th>Elevation Change Feet*</th>
<th>Pump Rate GPM</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:45</td>
<td></td>
<td>3.54</td>
<td>-</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>11:46</td>
<td></td>
<td>3.71</td>
<td>-0.17</td>
<td>0</td>
<td>Tidal Influence</td>
</tr>
<tr>
<td>11:55</td>
<td>9</td>
<td>3.41</td>
<td>-0.30</td>
<td>520</td>
<td>Start Pump</td>
</tr>
<tr>
<td>12:05</td>
<td>19</td>
<td>3.33</td>
<td>-0.38</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>12:26</td>
<td>40</td>
<td>3.29</td>
<td>-0.42</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>12:53</td>
<td>67</td>
<td>3.27</td>
<td>-0.44</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>13:38</td>
<td>112</td>
<td>3.25</td>
<td>-0.46</td>
<td>520</td>
<td>Diversion Ended</td>
</tr>
<tr>
<td>13:52</td>
<td>126</td>
<td>3.25</td>
<td>-0.46</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>13:53</td>
<td>127</td>
<td>3.25</td>
<td>-0.46</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>134</td>
<td>3.50</td>
<td>-0.21</td>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Tidal influence not taken into account for elevation change calculations

To conduct this test a 4" pipe was installed at the irrigated field diverting water into a fallow area. Irrigation was also in progress in the field. At 13:53 hours the diversion was ended, and only irrigation water was being sent to the field. A bypass pipe was opened at the well and a portion of water was bypassed back into the well to keep the pump from loading up. Recovery was almost instantaneous. The actual level of recovery cannot be accurately determined without knowing accurate tidal influence levels for this location covering this period of time. Since 14:00 hours is 4 hours after high tide at Kahului Harbor, it probably is a safe assumption that the well was also in a declining tidal influence phase when the measurement was taken at 14:00 hours. 3.50 feet may well indicate full recovery.

Electrical Conductivity Testing:

<table>
<thead>
<tr>
<th>Time</th>
<th>Ec ppm</th>
<th>NA ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:45</td>
<td>1.86</td>
<td>270.9</td>
</tr>
<tr>
<td>12:15</td>
<td>1.88</td>
<td>271.4</td>
</tr>
<tr>
<td>12:45</td>
<td>1.88</td>
<td>274.6</td>
</tr>
<tr>
<td>13:15</td>
<td>1.89</td>
<td>276.7</td>
</tr>
<tr>
<td>13:50</td>
<td>1.91</td>
<td>276.0</td>
</tr>
</tbody>
</table>
HC&S Well # 5327-07, known as the Central Power Plant (CPP) Well
Installation of two 500 gpm pumps completed on October 28, 2002
HC&S Well # 5327-07, known as the Central Power Plant (CPP) Well Chase Tube shown in floor, floor elevation used as reference elevation.
HC&S Well # 5327-07, known as the Central Power Plant (CPP) Well
3" Water Meter in 4" mainline to taro field
<table>
<thead>
<tr>
<th>FROM: Charley</th>
<th>DATE:</th>
<th>SUSPENSE DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TO:</td>
<td>INIT.</td>
<td>TO:</td>
</tr>
<tr>
<td>BAUER, G.</td>
<td></td>
<td>HARDY, R.</td>
</tr>
<tr>
<td>GOODING, K</td>
<td></td>
<td>HIRANO, E.</td>
</tr>
<tr>
<td>FUJII, N.</td>
<td></td>
<td>SAKODA, E.</td>
</tr>
<tr>
<td>OHYE, M.</td>
<td></td>
<td>NAKANO, D.</td>
</tr>
<tr>
<td>JINNAI, R.</td>
<td></td>
<td>NISHIOKA, L</td>
</tr>
<tr>
<td>SWANSON, S.</td>
<td></td>
<td>DANBARRA, S</td>
</tr>
<tr>
<td>KUNIMURA, I.</td>
<td></td>
<td>SUBIA, S.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>YODA, K.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHING, F.</td>
</tr>
</tbody>
</table>

Moore: HTG&S, P.O.Box 266, Puunene 96784
Jennings: 470 Welakahao Rd., Kihei 96753
October 25, 2002

Mr. William L. Pyle, P.E.
P.O. Box 880-369
Pukalani, HI 96788

Dear Mr. Pyle:

Pump Installation Contractor
HC&S Central Power Plant Well (Well No. 5327-07)

Thank you for your letter dated October 11, 2002 submitting your fully signed permit and noting the retention of Alii Mechanical Contractors as properly licensed contractors for the pump installation in the captioned well. All appears in order for your work to proceed as scheduled.

If you have any questions, please contact Charley Ice of the Water Commission staff at 587-0251 or toll-free at 984-2400, extension 70251.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

Cc:
Randall C. Moore
Robert R. Jennings
Mr. Charley Ice
Commission on Water Resource Management
State of Hawaii
PO Box 621
Honolulu, Hawaii 96809

Re: HC&S Well Installation Permit Application, Well # 5327-07, known as the Central Power Plant (CPP) Well.

Dear Mr. Ice,

A layout for the pumps in the CPP well in Kahului has been worked out that is slightly different than the one submitted earlier. Enclosed is a drawing of the layout as we will be installing it.

Sincerely,

William L. Pyle, PE
Civil Engineer #4146
State of Hawaii

Attach: CPP Pump Installation Drawing

Cc: Randall C. Moore
    Robert R. Jennings
Mr. Charley Ice  
Commission on Water Resource Management  
State of Hawaii  
PO Box 621  
Honolulu, Hawaii 96809

Re: HC&S Well Installation Permit Application, Well # 5327-07, known as the Central Power Plant (CPP) Well.

Dear Mr. Ice,

In accordance with Linnel Nishioka’s letter of September 24, 2002, we have retained Alii Mechanical Contractors for the pump installation referred to in the above pump installation permit. A corrected copy of the pump permit bearing Mr. Robert R. Jennings signature as the responsible installer is enclosed.

I will continue to work with Mr. Randall Moore of HC&S and with Mr. Jennings of Alii Mechanical Contractors on the installation and operational testing of the two 30 horsepower vertical turbine pumps in the existing, presently unused well at Kahului, Maui, Hawaii known as the CPP well. This well is identified by the State as well # 5327-07.

Please accept this letter and the enclosed completed Pump Installation Permit as the next step in this process. We intend to complete this installation within the next 60 days.

Sincerely,

[Signature]

William L. Pyle, PE  
Civil Engineer #4146  
State of Hawaii

Attach: Pump Installation Permit

Cc: Randall C. Moore  
    Robert R. Jennings
Mr. Randall Moore  
Hawaiian Commercial and Sugar  
P.O. Box 266  
Puunene, Maui, HI 96784  

Dear Mr. Moore:  

Pump Installation Permit  
Central Power Plant Well (Well No. 5327-07)  

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 11:  

Special Conditions  

1. The permittee shall conduct a constant rate test in accordance with the Hawaii Well Standards for Well Construction and Pump Installation and transmit results on the form provided herein.  

2. Work shall be done by a licensed pump installer (contractor license type A or C-57a), and signed by same, identifying the contractor's license number.  

3. 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, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.  

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.  

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.  

If you have any questions, please call Charley Ice of the Commission staff at 587-0251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70251.  

Aloha,  

GILBERT S. COLOMA-AGARAN  
Chairperson  

Enclosure
PUMP INSTALLATION PERMIT
Central Power Plant Well, Well No. 5327-5

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 Central Power Plant Well (Well No. 5327-57) at 590 Old Haleakula Highway, Maui, TMK 3-8-79:13, subject to the Hawaii Well Construction & Pump Installation Standards (12/23/97) 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.

2. The pump installation permit shall be for installation of a 500 (two pumps) gpm capacity, or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use 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 pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. 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.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. The this permit is also subject to the Hawaii Well Construction & Pump Installation Standards (12/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the 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 three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(I) prior to any well sealing or plugging work.

10. The permittee, its successors, and assign's 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.

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

Date of Approval: July 20, 2001
Expiration Date: July 20, 2003
GILBERT S. COLOMA-AGARAN, 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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: Randall C. Moore
Printed Name: Randall C. Moore
Firm or Title: HC&S, Dept. Mgr
Date: 9/28/02

Installer's Signature: Robert R. Jennings
Printed Name: Robert R. Jennings
Firm or Title: President Ali Mechanical Contractors, Inc.
License #: 23641
Date: 10-10-02

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

Attachments:
- USGS
  Department of Health's Safe Drinking Water & Wastewater Branch
  Maui Department of Water Supply
September 24, 2002

Mr. William L. Pyle, P.E.
P.O. Box 880-369
Pukalani, HI 96788

Dear Mr. Pyle:

Pump Installation
Central Power Plant Well (Well No. 5327-07)

Thank you for your letter of August 29, 2002, forwarding the signed permit and explaining that you would be supervising installation of the pump.

Regarding your statement that Mr. Ice of our office gave you verbal approval to proceed, he informs me that he had checked with the Department of Commerce and Consumer Affairs, finding that C.E. supervision is acceptable, but the contracting law still requires work to be done by contractor with a C57, C-57(a), or A license, which evidence should be provided on the signature line of the permit, as shown on the document. Our apologies if this was not clear. Please provide us with the contractor signature and license number prior to starting work.

If you have any questions, please contact Charley Ice of the Water Commission staff at 587-0251 or toll-free at 984-2400, extension 70251.

Sincerely,

Linnel T. Nishioka
Deputy Director

Cl:ss

c: Hawaii Commercial and Sugar
FROM: Charley
TO: BAUER, G.
TO: GOODING, K
TO: FUJI, N.
TO: OHYE, M.
TO: JINNAI, R.
TO: IMATA, R.
TO: NAKAMA, L.
TO: HIGA, D.
TO: UYENO, D.
TO: MATHIAS, T

DATE: 23 Sep 02
SUSPENSE DATE

TO: HARDY, R.
TO: HIRANO, E.
TO: SAKODA, E.
TO: NAKANO, D.
TO: NISHIOKA, L
TO: DANBARRA, S
TO: SUBIA, S.
TO: YODA, K.

FOR: Approval
FOR: Signature
FOR: Information

PLEASE:
___ Review & Comment
___ Type Draft
___ Type Final
___ File
___ Xerox ___ copies
___ Take Action:
___ Please See Me

Seems accepting an environmental engineer and geologist in the Central Maui Landfill instance is a horse of a different color.
Waterloo Hydrogeologic
180 Columbia St. W.
Waterloo, Ontario, Canada
ph. (519) 746-1798

Pumping test analysis
Time-Drawdown-method after
COOPER & JACOB
Confined aquifer

Date: 09.12.2002
Page 1
Project: HC&S Well
Evaluated by: Glenn Bauer

Pumping Test No. Constant Rate
Test conducted on: October 29, 2002

Well No. 5327-07
Discharge 100100.00 ft³/d

<table>
<thead>
<tr>
<th>t [d]</th>
<th>s [N]</th>
</tr>
</thead>
<tbody>
<tr>
<td>10^{-2}</td>
<td>0.00</td>
</tr>
<tr>
<td>10^{-1}</td>
<td>0.05</td>
</tr>
<tr>
<td>10^{-2}</td>
<td>0.10</td>
</tr>
<tr>
<td>10^{-1}</td>
<td>0.15</td>
</tr>
<tr>
<td>10^{-2}</td>
<td>0.20</td>
</tr>
<tr>
<td>10^{-1}</td>
<td>0.25</td>
</tr>
<tr>
<td>10^{-2}</td>
<td>0.30</td>
</tr>
<tr>
<td>10^{-1}</td>
<td>0.35</td>
</tr>
<tr>
<td>10^{-2}</td>
<td>0.40</td>
</tr>
<tr>
<td>10^{-1}</td>
<td>0.45</td>
</tr>
<tr>
<td>10^{-2}</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Transmissivity [ft²/d]: $1.38 \times 10^5$
## Pumping Test Analysis

**Waterloo Hydrogeologic**

180 Columbia St. W.
Waterloo, Ontario, Canada
ph. (519) 746-1788

**Pumping Test Analysis**

Time-Drawdown-method after
COOPER & JACOB
Confined aquifer

**Date:** 09.12.2002

**Project:** HC&S Well

**Evaluated by:** Glenn Bauer

### Test Conducted on: October 29, 2002

**Well No.:** 5327-07

**HC&S**

**Discharge:** 100100.00 ft³/d

**Distance from the pumping well:** 1.00 ft

**Static water level:** 5.00 ft below datum

<table>
<thead>
<tr>
<th>Pumping Test Duration</th>
<th>Water Level [ft]</th>
<th>Drawdown [ft]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.00625</td>
<td>5.30</td>
</tr>
<tr>
<td>2</td>
<td>0.01319</td>
<td>5.38</td>
</tr>
<tr>
<td>3</td>
<td>0.02778</td>
<td>5.42</td>
</tr>
<tr>
<td>4</td>
<td>0.04653</td>
<td>5.44</td>
</tr>
<tr>
<td>5</td>
<td>0.07778</td>
<td>5.46</td>
</tr>
<tr>
<td>6</td>
<td>0.08750</td>
<td>5.46</td>
</tr>
<tr>
<td>7</td>
<td>0.08819</td>
<td>5.46</td>
</tr>
</tbody>
</table>
Mr. Gilbert S. Coloma-Agaran  
Chairperson  
Commission on Water Resource Management  
State of Hawaii  
PO Box 621  
Honolulu, Hawaii 96809

Re: HC&S Well Installation Permit Application, Well # 5327-07, Known As Central Power Plant (CPP) Well.

Dear Mr. Coloma-Agaran,

HC&S has retained me to supervise the installation and operational testing of two 30 horsepower vertical turbine pumps in the existing, presently unused well at Kahului, Maui, Hawaii known as the CPP well. This well is identified by the State as well # 5327-07.

Mr. Randall Moore of HC&S has provided me with copies of the Application for Pump Installation Permit and the drawings for the pump installation that were submitted to the Commission on Water Resource Management for approval on 4/24/01.

Mr. Moore has also provided me with a copy of the Pump Installation Permit for this project signed by you on 8/22/01.

Telephone communication with your staff member Mr. Charlie Ice on 8/29/02 has provided me with the verbal approval to proceed as required with the necessary permit process to complete this project and to comply with the State’s regulations regarding this pump installation.

Please accept this letter and the enclosed completed Pump Installation Permit as the next step in this process. We intend to complete this installation within the next 60 days.

Sincerely,

William L. Pyle, PE  
Civil Engineer #4146  
State of Hawaii

Attach: Pump Installation Permit

PHONE: (808) 572-5910, FAX: (808) 572-4954
Mr. Randall Moore  
Hawaiian Commercial and Sugar  
P.O.Box 266  
Puunene, Maui, HI 96784

Dear Mr. Moore:

Pump Installation Permit  
Central Power Plant Well (Well No. 6327-07)

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 11:

**Special Conditions**

1. The permittee shall conduct a constant rate test in accordance with the Hawaii Well Standards for Well Construction and Pump Installation and transmit results on the form provided herein.

2. Work shall be done by a licensed pump installer (contractor license type A or C-57a), and signed by same, identifying the contractor's license number.

3. 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, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

**IMPORTANT -** Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Charley Ice of the Commission staff at 587-0251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 884-2400 (Maui), or 1-800-488-4644 (Lanai & Molokai) extension 70251.

Aloha,

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosure
PUMP INSTALLATION PERMIT
Central Power Plant Well, Well No. 532

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 Diversions", this document permits the pump installation for Central Power Plant Well (Well No. 5327-07) at 590 Old Hanaakala Highway, Maui, TMK 3-B-79:13, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson to the Commission on Water Resource Management (Commission), P.O. Box 821, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work covered by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-168-15, Hawaii Administrative Rules.

2. The pump installation permit shall be for installation of a 500 (two pumps) gpm capacity, or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use 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 pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. 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.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. The this permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the 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 three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. 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.

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

Date of Approval: July 20, 2001
Expiration Date: July 20, 2003
GILBERT S. COLOMA-AGARAN, 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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: Randall C. Moore Date: 8/29/02
Printed Name: Randall C. Moore Firm or Title: HC&S, Dept., Wtr

Installer's Signature: Date: Aug 29, 2002
Printed Name: William C. Pyle Firm or Title: CIVIL ENGINEER

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

Attachments:
- USGS
  Department of Health's Safe Drinking Water & Wastewater Branch
  Maui Department of Water Supply

C:

Please sign both copies of this permit, return one to the Chairperson, and retain the other for your records.
HC&S Central Power Plant Well # 5327-07, Kahului, Maui, Hawaii
Proposed Installation Of Two 30 hp, 500 GPM Vertical Turbine Pumps
August 24, 2002, wlp
4" Return line to sump

1/2" holes to diffuse return water

Water Level

4" PVC Cap

4" PVC Ell

5' Minimum

2'
Mr. Randall Moore  
Hawaiian Commercial and Sugar  
P.O.Box 266  
Puunene, Maui, HI 96784

Dear Mr. Moore:

Pump Installation Permit  
Central Power Plant Well (Well No. 5327-07)

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 11:

Special Conditions

1. The permittee shall conduct a constant rate test in accordance with the Hawaii Well Standards for Well Construction and Pump Installation and transmit results on the form provided herein.

2. Work shall be done by a licensed pump installer (contractor license type A or C-57a), and signed by same, identifying the contractor's license number.

3. 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, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the pump installation contractor submits a completed Part II of the Well Completion Report form (enclosed) within sixty (60) days after the pump installation work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

Please sign and have the contractor sign both permit originals and return one for our files. A copy of the Well Completion Report (Part II) and a copy of your water use report form are enclosed for your use.

IMPORTANT - Pump installation shall not commence until a fully signed permit is returned to the Commission. Except for the monthly water use report form, please provide copies of all the information in this packet to your pump installation contractor.

If you have any questions, please call Charley Ice of the Commission staff at 587-0251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 964-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70251.

Aloha,

GILBERT S. COLOMA-AGARAN  
Chairperson

Enclosure
PUMP INSTALLATION PERMIT
Central Power Plant Well, Well No. 5327-07

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 Central Power Plant Well (Well No. 5327-07) at 590 Old Haleakala Highway, Maui, TMK 3-8-79:13, subject to the Hawaii Well Construction & Pump installation Standards (1/23/97) 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.

2. The pump installation permit shall be for installation of a 500 (two pumps) gpm capacity, or less, pump in the well.

3. The permittee, well operator, and/or well owner shall provide and maintain an approved meter or other appropriate means for measuring and reporting withdrawals and water levels, and appropriate devices or means for measuring chlorides and temperature. These data shall be measured monthly and reported to the Commission on a monthly basis, on forms provided by the Chairperson (attached).

4. The proposed use 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 pump water from a well shall not constitute a determination of correlative water rights. The permittee, well operator, and/or well owner are notified and by this provision understands that the quantity of water taken from the well could be reduced by the Commission in the future. This permit is not a commitment that the pump capacity permitted here or even some lesser amount is guaranteed in the future.

5. The permittee, well operator, and/or well owner shall complete and submit as-built drawings and Part II - (Permanent) Pump Installation Report of the Well Completion Report (attached) to the Chairperson within sixty (60) days after completion of work.

6. 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.

7. The pump installation permit application and any related staff submittal approved by the Commission are incorporated into this permit by reference. The this permit is also subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

8. The permit may be revoked if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified. The work proposed in the 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 three (3) months prior to the date the permit expires. If the commencement date is not met, the Commission may revoke the permit after giving the permittee, well operator, and/or well owner notice of the proposed action and an opportunity to be heard.

9. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-168-12(f) prior to any well sealing or plugging work.

10. 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.

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

Date of Approval: July 20, 2001
Expiration Date: July 20, 2003
GILBERT S. COLOMA-AGARAN, 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 also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: __________________________ Date: __________
Printed Name: ____________________________ Firm or Title: ____________________________

Tester's Signature: ___________________________ C-57, C-57a, or A License #: __________ Date: __________
Printed Name: ____________________________ Firm or Title: ____________________________

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

Attachments
USGS
Department of Health/ Safe Drinking Water & Wastewater Branch
Mau Department of Water Supply
**Commission on Water Resource Management**

**Route Slip for Permit Issuance**

**From:** Charley  
**Date:** 20 Aug 01  
**Suspense Date:**

<table>
<thead>
<tr>
<th>TO</th>
<th>INIT.</th>
<th>TO</th>
<th>INIT.</th>
<th>FOR</th>
<th>PLEASE</th>
</tr>
</thead>
</table>

- Bauer, G.
- Ching, F.
- Fujii, N.
- Hardy, R.
- Higa, D.
- Hirano, E.
- Ice, C.
- Imata, R.
- Jinmai, R.
- Kunimura, I.
- Lum, A.
- Nakama, L.
- Nakano, D.
- Ohye, M.
- Nishioka, L.
- Sakaoka, E.
- Subia, S.
- Swanson, S.
- Uyeno, D.

**WELL NUMBER:** 5327-07  
**WELL NAME:** Central Power Plant Well (Maui HCE's)

[ ] WELL CONSTRUCTION

**ATTACHMENTS FOR WELL CONSTRUCTION PERMIT:**

1. Cover Letter  
2. Permit (2x)  
3. Pump Test  
4. DOH Comments  
5. Land Div. Comments  
6. WCR Form  
7. USGS Map  
8. Parcel Check  
9. Database Printout  
10. Well Check Print

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**

**ATTACHMENTS FOR PUMP INSTALLATION PERMIT:**

1. Cover Letter  
2. Permit (2x)  
3. DOH Comments  
4. Land Div. Comments  
5. WCR Form  
6. WUR Form  
7. USGS Map  
8. Parcel Check  
9. Database Printout  
10. Glenn's Worksheet

[ ] Pump Installation

**TO BE SENT TO APPLICANT**

**FOR OFFICE USE ONLY**
TO: Honorble Bruce S. Anderson, Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaoka, Hazardous Evaluation & Emergency Response Office

FROM: Gilbert S. Coloma-Agaran, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Central Power Plant Well (Well No. 5327-07)

Transmitted for your review and comment is a copy of the captioned well 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 July 13, 2001 (please expedite).

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 587-0251.

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).

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

No comments/objections

Contact Person: Doni N. Kajiwara
Phone: 5864294

Signed: Doni N. Kajiwara
Date: 7-18-2001
TO: Harry Yada, Acting Administrator  
Land Division

FROM: Linnel T. Nishioka, Deputy Director  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Central Power Plant Well (Well No. 5327-07)

Transmitted for your review and comment is a copy of the captioned well application which includes a request for a pump installation permit.

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 July 13, 2001 (please expedite).

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 587-0251.

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

Original source of private title is Grant 3343 issued on August 25, 1882.

Contact Person: Gary Martin  
Phone: 587-021

Signed: Gary Martin  
Date: 7/16/01
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 21
HONOLULU, HAWAI'I 96829

JUL 10 2001

RECEIVED
SAFE DRINKING WATER BRANCH

JUL 11 2001

TO: Honorable Bruce S. Anderson, Director
Department of Health
Attention: Dennis Tulang, Wastewater Branch
William Wong, Safe Drinking Water Branch
Dr. Keith Kawaska, Hazardous Evaluation & Emergency Response Office

FROM: Gilbert S. Coloma-Agaran, Chairperson
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application
Central Power Plant Well (Well No. 8227-07)

Transmitted for your review and comment is a copy of the captioned well 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 July 11, 2001 (please expedite).

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 587-0251.

City
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, §11-20-49.

[ ] 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 using such water 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 unintentional 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 potable wastewater contamination [ ] is [ ] not located near the proposed well site (information attached).

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

[ ] No comments/objections

Contact Person: Stuart Yamada
Phone: 586-4258

Signed: Date: 7/11/01
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Pump Installation Permit Application for the Central Power Plant Well (Well No. 5327-07 Maui):

1. It does not appear that this well will be used for consumptive purposes and is not subject to Safe Drinking Water regulations. However, steps should be taken to prevent both direct human consumption of this water, and cross-connections with any potable water supply. At a minimum, all of the piping associated with this irrigation well must be clearly labeled as “NON-POTABLE.”

2. Please be advised that the Department of Health has experienced drinking water and groundwater contamination by submersible pumps containing mercury. Specifically, the failure of the seals of the pumps allowed mercury to leak out into the well shaft resulting in contamination of the well and the water served by the well. Please review your pump specifications to be sure that the submersible pump(s) you are proposing to use do not contain materials which could result in either groundwater contamination or drinking water contamination.

The Department of Health, Clean Water Branch has the following comments:

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.
Mr. Randall Moore  
Hawaiian Commercial and Sugar  
P.O.Box 266  
Puunene, Maui, HI 96784  

Dear Mr. Moore:  

Pump Installation Permit Application for Well No. 5327-07  

We acknowledge receipt, on May 29, 2001, of your completed Pump Installation permit application and filing fee for the Central Power Plant Well (Well No. 5327-07). You can expect your application to be processed within ninety (90) days from this date.  

Please bear in mind that a permit is not valid until it is signed by a licensed professional who can be held responsible for the Hawaii Well Construction and Pump Installation Standards, and returned to the Commission. Violations are subject to fines of up to $1000 per day.  

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at 587-0251 or toll-free at 984-2400 extension 70251.  

Sincerely,  

Linnel T. Nishioka  
Deputy Director  

C:ky
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawaoka, Hazardous Evaluation & Emergency Response Office

FROM: Gilbert S. Coloma-Agaran, Chairperson  
Commission on Water Resource Management

SUBJECT: Pump Installation Permit Application  
Central Power Plant Well (Well No. 5327-07)

Transmitted for your review and comment is a copy of the captioned well 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 July 13, 2001 (please expedite).

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 587-0251.

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, §11-20-2.

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

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

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

[ ] No comments/objections

Contact Person: ______________________ Phone: ________________

Signed: ______________________ Date: ________________
TO:     Harry Yada, Acting Administrator  
        Land Division  
FROM:  Linnel T. Nishioka, Deputy Director  
        Commission on Water Resource Management  
SUBJECT:  Pump Installation Permit Application  
          Central Power Plant Well (Well No. 5327-07)  

Transmitted for your review and comment is a copy of the captioned well application which includes a request for a pump installation permit.

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 July 13, 2001 (please expedite).

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 587-0251.

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: ______________
May 30, 2001

Mr. Randall Moore
Hawaiian Commercial and Sugar Company
P.O. Box 266
Pu‘unene, Maui, HI 96784

Dear Mr. Moore:

Pump Installation Permit Application for Well No. 5327-07

We have received your Pump Installation permit application and filing fee for the Central Power Plant Well (Well No. 5327-07). However, your application is incomplete. Matters which must be addressed before we accept your application as complete are as follows:

1. Please provide a current static water level reading. As a condition of the permit we will require a new constant-rate pump test.

2. Please provide the Pump Installer's contractor's license number.

Upon receipt of the above information we will accept your application as complete and you can then expect your application to be processed within ninety (90) days.

If you have any questions about your permit application, please contact Charley Ice of the Commission staff at 587-0251 or toll-free at 984-2400 extension 70251.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

Cl:ky
<table>
<thead>
<tr>
<th>Taxkey</th>
<th>Subdiv/Condo-Apt</th>
<th>Property Tnr Address</th>
<th>Owner/Lessee</th>
<th>Beds Baths</th>
<th>Land area</th>
<th>Living area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3-8-79-13</td>
<td>F</td>
<td></td>
<td>ALEXANDER &amp; BALDWIN INC</td>
<td></td>
<td>38.19 ac</td>
<td></td>
</tr>
</tbody>
</table>

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
MISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: CHARLEY
DATE: 9-May-01
SUSPENSE DATE: __________

TO: BAUER, G. INIT. LUM, A.
TO: CHING, F. INIT. NAKAMA, L.
TO: FUJII, N. INIT. NAKANO, D.
TO: HARDY, R. INIT. NISHIOKA, L.
TO: HIGA, D. INIT. OHYE, M.
TO: HIRANO, E. INIT. SAKODA, E.
TO: ICE, C. INIT. SUBIA, S.
TO: IMATA, R. INIT. SWANSON, S.
TO: JINNAI, R. INIT. UYENO, D.
TO: KUNIMURA, I. INIT. YODA, K.

PLEASE:

1 Review & Comment
2 Take Action
3 Approval
4 Information
5 Type Draft acknow letter
6 Type Final, label new file folder
7 File
8 Xerox ______ copies

WELL NUMBER 5327-07
WELL NAME Central Power Plant

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER 2
2 CWRM MAP
3 APPL. FORM (3X)
4 USGS MAPS (3X)
5 TAX MAPS (3X)
6 PARCEL OWNER VERIF. - MLS PRINTOUT
7 CONTRACTOR VERIF. - DCCA LICENSE SCREEN PRINTOUT
8 ALL INFO FILLED IN
9 BACKGROUND CHECK

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

INCOMPLETE ACTION DATES:

DATE ACTION
21 June 01 complete appl. for review

2:58 AM

Database shows it's a horiz. shaft, withdrew 2946mg/l, drilled 1894 ft, 20' cl., 3.4' head, says it was used in 1970, obs in 46

Proposed use seems too small
1000 gpd
DMU

Installers?

Buell Inc. #
<table>
<thead>
<tr>
<th>INVOICE NUMBER</th>
<th>INVOICE DATE</th>
<th>VOUCHER NUMBER</th>
<th>VOUCHER DUE DATE</th>
<th>GROSS AMOUNT</th>
<th>DISCOUNT</th>
<th>NET AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERMIT-5327-07</td>
<td>04/23/2001</td>
<td>V063310</td>
<td>04/23/2001</td>
<td>$25.00</td>
<td></td>
<td>$25.00</td>
</tr>
</tbody>
</table>

**PRINT BATCH NUMBER:** 1028  
**VENDOR CODE:** 7533  
**PAY TO NAME:** STATE OF HAWAII  
**GROSS TOTAL:** $25.00  
**DISCOUNT TOTAL:** $0.00  
**NET TOTAL:** $25.00
PAY

To the order of

STATE OF HAWAI'I
DEPT. OF LAND & NATURAL RESOURCES

Twenty five and no/100

$25.00

REMARKS:
LINE (1)  PIP Appl. for Well No. 5327-07
LINE (2)
LINE (3)
LINE (4)

DEPARTMENT OF LAND AND NATURAL RESOURCES

<table>
<thead>
<tr>
<th>DOCUMENT NO.</th>
<th>UAC OR ATTACHED WORKSHEET</th>
<th>DATE: MAY 31 2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRC/ CTR PROJECT PH ACT AMOUNT</td>
<td>NAME/DESCRIPTION (WANG INPUT)</td>
<td></td>
</tr>
<tr>
<td>S 01 326 C 1026 0752</td>
<td></td>
<td>Hawaiian Commercial &amp; Sugar Company</td>
</tr>
<tr>
<td>(1) $25.00</td>
<td>(Ck #020124)</td>
<td></td>
</tr>
<tr>
<td>(2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$25.00</td>
</tr>
</tbody>
</table>

REMARKS: LINE (1)  PIP Appl. for Well No. 5327-07
LINE (2)
LINE (3)
LINE (4)
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

Well Construction and/or Pump Installation

Applicant information: Fill out all three, if applicable, and place a check next to the primary contact

1. (a) **WELL OWNER:** HC&S / A&B, Inc. Contact Person: Randall Moore Phone: 877-6978
   Mailing Address: P. O. Box 266, Puunene, HI 96784
   Fax: 871-9723 E-mail: rmoore@hcsgsugar.com

(b) **LAND OWNER:** Alexander & Baldwin, Inc. Contact Person: Randall Moore Phone: 877-6968
   Mailing Address: P. O. Box 266, Puunene, HI 96784
   Fax: 871-9723 E-mail: 

(c) **CONTRACTOR:** HC&S Contact Person: Randall Moore Phone:
   Mailing Address: 
   Fax: E-mail: 

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

2. **WELL NAME:** Kahului / Central Power Plant Island: Maui
   Address: 590 Old Haleakala Hwy., Kahului
   Tax Map Key: 3-8-79-13
   Zone: Sec. 388 Plat: Parcel
   Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1:24,000) and include the name of the quad map, and (b) a property tax map, showing well location referenced to established property boundaries.

3. **PROPOSED WORK:** (check all that apply)
   - [ ] Construct New Well
   - [ ] Install New Pump
   - [ ] Modify Existing Well
   - [ ] Modify Pump
   - [ ] Abandon/Seal

   *State Well No.: 5317-07 (if unknown, please call Commission at 587-0225)*

4. **CONSTRUCTION:**
   - [ ] Dried
   - [ ] Drilling
   - [ ] Shaft
   - [ ] Tunnel
   Is this well part of a battery of wells? [ ] Yes [ ] No (Please describe)

5. **PROPOSED PUMP INFORMATION:**
   - Rated Pump Capacity: 1,000 gallons per minute
   - Pump Type (Check one):
     - [ ] Deep Well Turbine
     - [ ] Rotary
     - [ ] Submersible
     - [ ] Rotary-Displacement
     - [ ] Centrifugal
     - [ ] Rotary-Gear
     - [ ] Impulse
   - Vertical Turbine Pumps
   - **PROPOSED USE:**
     - [ ] Municipal (including hotels, stores, etc.)
     - [ ] Irrigation (crop) sugar cane, nursery, cactus, taro
     - [ ] No. of Acres: 30,000
     - [ ] Industrial
     - [ ] Domestic (individual, noncommercial water system)
     - [ ] Other (explain):

   Does this well serve 25 or more people at least 60 days per year or have 15 or more service connections? [ ] Yes [ ] No

   7. (a) **PROPOSED AMOUNT OF WITHDRAWAL:**
   - up to 1,000,000 gallons per day
   - (b) **METHOD OF FLOW MEASUREMENT:**
     - [ ] Flowmeter
     - [ ] Open-pipe
     - [ ] Weir
     - [ ] Orifice
     - [ ] Other (explain):

   Other important information:

8. **LEGAL REQUIREMENTS:**
   - [ ] CDUP
   - [ ] SMAP
   - [ ] EIS
   - [ ] EA
   - [ ] None

9. **REMARKS, EXPLANATIONS:**
   - State Well #5317-07.
   - Two pumps rated at 500 gpm/pump. Two motors at 30 hp/motor.
   (if more space is needed, please attach additional sheet)

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed by the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a water right and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

**Well Owner**

<table>
<thead>
<tr>
<th>Randall Moore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

**Land Owner**

<table>
<thead>
<tr>
<th>Randall Moore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

**Contractor**

<table>
<thead>
<tr>
<th>Randall Moore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

For official use only

- Latitude: Aquifer System No.
- Longitude: State Well No.
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 ft. Water Level Elev.) / 4 
Example: Estimated + 2 ft. Water Level Elev. = Bottom Elevation of Well Limit = (2. + 5.1 ft. / 4) = 18.5 ft.

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200  API Spec. 5L  ASTM A53  ASTM A139
- And compliant with (check one or more): ASTM A242  Type E  Type S  Grade B  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

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more): ANSI/AWWA C200  API Spec. 5L  ASTM A53  ASTM A139
- And compliant with (check one or more): ASTM A242  Type E  Type S  Grade B  Other
- Stainless Steel: (check one): ASTM A409 (production wells)  ASTM A312 (monitor wells)
- 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
PLAN VIEW

SCALE: 1/4" = 1'-0"

HC&S "Central Power Plant" Well
(State #5327-07)

OPENING THRU FLOOR (TYP.)

NEW VERT. PUMP #1

9-1/2" UP

4-1/2" UP

NEW VERT. PUMP #2

1-1/2" UP

8" UP