July 29, 2002

Ms. Louise Zweben

Dear Ms. Zweben:

Well Completion Report for Well No. 1223-01

We received your Well Completion Report Part II for the Zweben Well (Well No. 1223-01) on July 18, 2002 and acknowledge that it is complete.

If you have any questions, please contact Lenore Nakama of the Commission staff at (808) 587-0218.

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

LN:ss
TO: Water Commission
Lenore Nakama

FROM: Steve Goldberg
Oasis Water Systems Inc.
P.O.Box 535
Kilauea Hi 96754

TO: Water Commission
Lenore Nakama

FROM: Steve Goldberg
Oasis Water Systems Inc.
P.O.Box 535
Kilauea Hi 96754

Date: 7/3/02

Number of pages including cover sheet: 3

REMARKS: ☑ Urgent ☑ For your review ☑ Reply ASAP ☑ Please Comment

Hi Lenore:

Enclosed well completion report part 2 for well # 1223-01

Thanks, Steve
### 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 821, 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 Wall 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/wrm/](http://www.state.hi.us/dlnr/wrm/)

<table>
<thead>
<tr>
<th>1. State Well No.: 1223-01</th>
<th>Well Name: Zweben</th>
<th>Island: Kauai</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address: 4110 Wailupe Rd</td>
<td>Tax Map Key: 5-1-05819</td>
<td></td>
</tr>
<tr>
<td>3. Pump Installation Company: Oasis Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Date Pump Installed: 7-18-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. PERMANENT PUMP INFORMATION (Attach pump specifications and rating curve)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump Type, Make, Serial No.: Sub-GrandAqua 019020037</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Type, H.P., Voltage, rpm: Sub 7.5 240 3450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of flow meter: Digital A&amp;B which measures in Gallons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model Number: T-3000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pump type (check one):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deep Well Turbine</td>
<td>Rotary</td>
<td>Propeller</td>
</tr>
<tr>
<td>Submersible</td>
<td>Rotary-Displacement</td>
<td>Reciprocating</td>
</tr>
<tr>
<td>Centrifugal</td>
<td>Rotary-Gear</td>
<td>Impulse</td>
</tr>
<tr>
<td>6. Method of flow measurement:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Flowmeter</td>
<td>Manufacturer Make Size</td>
<td></td>
</tr>
<tr>
<td>□ Weir</td>
<td>Open Pipe</td>
<td>Orifice</td>
</tr>
<tr>
<td>*attach schematic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Fill in the as-built section on the other side of this sheet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Attach photograph of well and concrete pad clearly showing benchmark on concrete pad.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Other remarks/comments:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pump Installation Contractor (print): Oasis Water**

**Signature**

**Date:** 7-18-02

**Permittee (print):**

**Signature**

**Date:**
9. AS-BUILT PUMP SECTION (Please attach as-built if different from diagram provided below)

Bench mark elevation surveyed to nearest 0.01 ft. = 289.7 ft. mean sea level

Elevation of top of chase tube 252.83 ft. mean sea level

Pump intake depth = 2.76 ft. (referenced to bench mark)

Chase tube depth = 230 ft. (referenced to bench mark)

If airline installed, bottom of airline elevation = ______ ft. mean sea level
Ms. Louise Zweben

Dear Ms. Zweben:

Pump Installation Permit
Zweben (Well No. 1223-01)

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. 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.
2. Please enclose the pump specification and rating curve for the installed pump with the Well Completion Report.

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.

Finally, this letter is notice that we have accepted your Well Completion Report - Part I as complete as of June 12, 2002.

If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Aloha,

GILBERT S. COLOMA-AGARAN
Chairperson

Enclosure
c: Steve Goldberg, Oasis Water Systems
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 Zweben (Well No. 1223-01) at 4110 Wailapa Road, Kauai, TMK 5-1-5:19, 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 60 gpm, or less, rated capacity 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. 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.

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: _______________________________

Installer'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
  Kauai Department of Water Supply
  Steve Goldberg, Oasis Water Systems
Pumping Test No. Constant Rate

Test conducted on: April 3, 2002

Well No. 1223-01

Discharge 0.1337 ft³/s

Transmissivity [ft²/d]: 7.30 x 10²
Storativity: 1.01 x 10⁰
Pumping Test No. Constant Rate

Well No. 1223-01

Discharge 0.1337 ft³/s

Static water level: 239.08 ft below datum

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<tr>
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<tr>
<td>1</td>
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<td>1.25</td>
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<td>2</td>
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<td>1.84</td>
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<tr>
<td>4</td>
<td>241.00</td>
<td>1.92</td>
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<tr>
<td>5</td>
<td>241.17</td>
<td>2.09</td>
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<tr>
<td>6</td>
<td>241.33</td>
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<td>5.09</td>
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<td>19</td>
<td>244.75</td>
<td>5.67</td>
</tr>
<tr>
<td>20</td>
<td>244.75</td>
<td>5.67</td>
</tr>
</tbody>
</table>
1. State Well No.: 1223-01  
Well Name: Zwaben  
Island: Kauai  
2. Address: 4110 Wailapa Rd. Kilauea  
Tax Map Key: 5-1-05:19  
4. Drilling method used during construction:  
- Rotary  
- Percussion  
- Other (describe)  
5. Date Well Construction (drilled, cased, grouted) completed: 10/14/01  
Attach Driller's Log (7/28/99 DL Form)  
6. Was the subject well cored?  
- Yes  
- No  
7. Initial water-level encountered 50' ft. below ground  
Date and time of measurement: 10/05/01  
8. Step-Drawdown Test completed?  
- No  
- Yes  
Attach Step-Drawdown Test form (12/17/97 SDPTD Form)  
9. Constant Rate Aquifer Test completed?  
- No  
- Yes  
Attach Constant Rate Aquifer Test form (12/17/97 CRPTD Form)  
10. Water-level: 11.5 ft. above msl  
Date and time of measurement: 2/10/02  
11. Chloride: 25 ppm  
Date and time of sampling: 2/10/02  
12. Temperature: 74°F  
Date and time of measurement: 2/10/02  
13. Fill in the as-built section on the other side of this sheet.  
15. If a pump is not planned to be installed, please describe (below in the remarks section) how well is secured to prevent unauthorized access (example: lockable cover, threaded coupling, etc.)  
16. Remarks: Please amend permit to 60 gpm from 40 gpm  

Licensed Driller (print): Oasis Water Systems  
C-57 Lic. No. 21457  
Signature:  
Date: 6-5-02  
Surveyor (print): Sec Attached  
L.P.L.S. Lic. No.  
Signature:  
Date:  
Permittee (print): Sec Attached  
Signature:  
Date:  

For Official Use Only:
13. AS-BUILT WELL SECTION (Please attach as-built if different from diagram provided below)

Bench mark elevation:
251.43 ft., msl*
(Survey to nearest 0.01 ft.)

Elevation at top of casing 252.83 ft., msl
(to nearest 0.01 ft.)

Minimum of 2' Radius & 4'' Thick Concrete Pad

Solid Casing: (≥ 90% x (Ground Elev.-Water Level Elev.))
Length: 380 ft.
Nominal Diameter: 6 in.
Wall Thickness: 3/8 in.
Bottom Elevation: -129.17 ft., msl

Open Casing: □ Perforated □ Screen
Length: 42 ft.
Nominal Diameter: 6 in.
Wall Thickness: 3/8 in.
Bottom Elevation: -171.17 ft., msl

Open Hole:
□ Perforated □ Screen
Length: ______ ft.
Diameter: ______ in.
Bottom Elevation: ______ ft., msl

HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS
Please refer to the

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
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

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

*msl = mean sea level

\[ \text{ZWEBEN} \]

\[ 2-1229-01 \]
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
WELL COMPLETION REPORT - PART I
Well Construction

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 821, 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 contact the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 808-586-2625. For updates to this form or additional information, please visit our website at http://www.state.hi.us/dlnr/wrm/

<table>
<thead>
<tr>
<th>1. State Well No.:</th>
<th>1223-01</th>
<th>Well Name:</th>
<th>Zweben Island:</th>
<th>Kualoa</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address:</td>
<td>4110 Wallapa Rd. Kilauea</td>
<td>Tax Map Key:</td>
<td>5-1-05-19</td>
<td></td>
</tr>
<tr>
<td>4. Drilling method used during construction:</td>
<td>Rotary</td>
<td>Percussion</td>
<td>Other (describe)</td>
<td></td>
</tr>
<tr>
<td>5. Date Well Construction (drilled,cased,grouted) completed:</td>
<td>10/14/01</td>
<td>Attach Driller's Log (7/2009 OL Form)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In addition to the driller's log, if a geologic log was prepared, please submit with this form.

| 6. Was the subject well cased? | Yes | No |
| 7. Initial water-level encountered: | 65 ft. below ground | Date and time of measurement: | 10/06/01 |

| 8. Step-Drawdown Test completed? | No | Yes |
| 9. Constant Rate Aquifer Test completed? | No | Yes |

Parameters prior to pump test:

| 10. Water-level: | 11.5 ft. above msl | Date and time of measurement: | 2/10/02 |
| 11. Chloride: | 25 ppm | Date and time of sampling: | 2/10/02 |
| 12. Temperature: | 74 °F | Date and time of measurement: | 2/10/02 |

13. Fill in the as-built section on the other side of this sheet.
15. If a pump is not planned to be installed, please describe (below in the remarks section) how well is secured to prevent unauthorized access (example: lockable cover, threaded coupling, etc.)
16. Remarks: Please amend permit to 80 gpm from 40 gpm

Licensed Driller (print) C-57 Lic. No.

Signature Date

Surveyor (print) L.P.L.S. Lic. No.

Signature Date

Permittee (print) Sal DiLeonardo as owner's agent

Signature Date 6.4.02
ELEVATION OF THE CONCRETE SLAB = 251.43'

GROUND ELEVATION = 250.83'

WELL ELEVATION

WELL # 1223-01

OWNER: ZWEBEN

T.M.K.(4)5-1-05:19

PETER N. TAYLOR
LICENSED PROFESSIONAL LAND SURVEYOR
No.9149

BENCH MARK USED: WAIKALUA RD MON STA:17+61.22 ELEV = 358.66'
### WELL NUMBER: 1223-01

#### DRILLER'S LOG (7/28/99 DL Form)

<table>
<thead>
<tr>
<th>Depths (ft.)</th>
<th>Rock Description, Water Level, etc.</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 65</td>
<td>Red Clay Soil (W/Z)</td>
<td>10/4/01</td>
</tr>
<tr>
<td>65 to 140</td>
<td>Fracture blue rock</td>
<td>10/5/01</td>
</tr>
<tr>
<td>140 to 181</td>
<td>Brown clay</td>
<td>10/8/01</td>
</tr>
<tr>
<td>181 to 223</td>
<td>Blue rock</td>
<td>10/8/01</td>
</tr>
<tr>
<td>223 to 248</td>
<td>Broken blue rock</td>
<td>10/9/01</td>
</tr>
<tr>
<td>248 to 318</td>
<td>Blue rock</td>
<td>10/9/01</td>
</tr>
<tr>
<td>318 to 331</td>
<td>Broken blue</td>
<td>10/9/01</td>
</tr>
<tr>
<td>321 to 383</td>
<td>Puka rock, gray shale, weathered rock</td>
<td>10/10/01</td>
</tr>
<tr>
<td>383 to 422</td>
<td>Fractured blue rock, cinders (W/Z)</td>
<td>10/10/01</td>
</tr>
</tbody>
</table>

____ to ______ ________________ ______
____ to ______ ________________ ______
____ to ______ ________________ ______
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____ to ______ ________________ ______
### CONSTANT-RATE PUMP TEST DATA

**Table 2 (CRPTD Form 12/17/97)**

<table>
<thead>
<tr>
<th>Pumped Well No.</th>
<th>Observation well no.</th>
<th>Distance between Obs. &amp; Pumped Well ft.</th>
<th>Reference pt. for depth to water ft. msl</th>
<th>Static Water Level @ start of test ft. msl</th>
</tr>
</thead>
<tbody>
<tr>
<td>1223-01</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**Target Q gpm**

**Water level measurements by:**
- [x] steel tape
- [ ] pressure transducer
- [ ] airline

**START TEST Date:** April 3, 2002  **Time of day:** 8:00 AM

**Flow Meter Reading Start:** 308,000 gals

<table>
<thead>
<tr>
<th>Suggested elapsed time (min)</th>
<th>Actual elapsed time (min)</th>
<th>Depth to water (nearest 0.1 ft)</th>
<th>Drawdown (unadjusted to nearest 0.1 ft)</th>
<th>Pumping rate Q (gpm)</th>
<th>EC (μmhos)</th>
<th>Cl⁻ (mg/l)</th>
<th>Temp. °F or °C</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>239.1 ft.</td>
<td>0.00 ft.</td>
<td>60</td>
<td>25.1</td>
<td>74</td>
<td></td>
<td>Start pump/Cl⁻ taken</td>
</tr>
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<td>1.5</td>
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<td>2.5</td>
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</tr>
</tbody>
</table>

**Data in this table is for:**
- [x] Pumped Well
- [ ] Observation Well

**Remarks:**
- Start Test

<table>
<thead>
<tr>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start pump/Cl⁻ taken</td>
</tr>
<tr>
<td>Suggested elapsed time (min)</td>
</tr>
<tr>
<td>---------------------------</td>
</tr>
<tr>
<td>0</td>
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</tr>
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<tr>
<td>150</td>
</tr>
<tr>
<td>200</td>
</tr>
<tr>
<td>250</td>
</tr>
</tbody>
</table>

**END TEST**  Date: **April 3**  Time of day: **5:00 pm**

**ADDITIONAL REMARKS:**

Person in charge of pump test (print): **Steve Goldberg**  
Signature: **[Signature]**  
The signature above indicates that the data reported on this form is accurate and true to the best of the person's knowledge who operated this pump test.
WELL CONSTRUCTION PERMIT

Permit No. 1234-21

This permit is issued to Martin A. Bryan, 1234 Main St., Anytown, for the construction of a new well for the purpose of supplying water for domestic use. The permit is valid from August 27, 2021, to August 27, 2023.

The following conditions must be met:

1. The well must be constructed in accordance with the specifications and plans provided by the permit holder.
2. The well must be constructed using materials that are approved by the permitting authority.
3. The well must be equipped with a submersible pump and a properly sized electrical system.
4. The well must be tested for water quality and adequacy of supply by the permitting authority.
5. The well must be maintained in good working order by the permit holder.
6. The well must be properly protected from contamination.
7. The permit holder must comply with all applicable regulations and standards.

The permit holder must also comply with all applicable laws and regulations, including but not limited to:

1. The well must be constructed in accordance with the specifications and plans provided by the permitting authority.
2. The well must be equipped with a submersible pump and a properly sized electrical system.
3. The well must be tested for water quality and adequacy of supply by the permitting authority.
4. The well must be maintained in good working order by the permit holder.
5. The well must be properly protected from contamination.
6. The well must comply with all applicable laws and regulations, including but not limited to:

Date of Approval: August 27, 2021
Expiration Date: August 27, 2023

GILBERT B. COLOMA AGARAN, Chairperson
Commission on Water Resource Management

[Signature]

Permittee's Signature: [Signature]
Printed Name: Martin A. Bryan
Firm or Title: Oasis Water Systems

Distributor's Signature: [Signature]
License No.: [License Number]
Date: [Date]

Please sign both copies of this document. Return one to the Commission, and retain the other for your records.

Oasis Water Systems
1234 Main St., Anytown

[ Seal ]
Commission on Water Resource Management

[Date]
Ms. Louise Zweben

Dear Ms. Zweben:

Well Construction Permit
Zweben (Well No. 1223-01)

Enclosed are two (2) copies of your approved Well Construction Permit for the captioned well(s) that authorize well construction activities but excludes installation work for your permanent pump. As part of the Chairperson's approval, the following special conditions were added and are part of your permit under Permit Condition 13:

**Special Conditions**

1. Attached for your information is a copy of the Department of Health's (DOH) review comments. Please note DOH's requirements related to discharge of effluent from well drilling and testing activities.

2. All aspects of construction and pump testing shall comply with the Hawaii Well Construction and Pump Installation Standards, unless approval for specific exemptions is obtained in advance.

3. Standard Condition 2 is modified to exempt the permittee from the requirements for a pumping test and Standard Condition 7.e. is waived for an installed permanent pump capacity of less than 50 gpm.

This permit does not authorize work for your permanent pump installation. Approval and issuance of your pump installation permit is contingent upon completed application and information provided to and accepted by Commission staff as required in the Well Construction & Pump Installation Standards (1/23/97) and any special conditions performed under this permit. However, a permanent pump may be installed prior to the permanent pump installation permit issuance in accordance with the Commission's April 15, 1998 Declaratory Ruling No. DEC-ADM98-G5, which states that:

"Permanent pump installation for capacities between 0-70 gpm and where the proposed use is for private individual needs in non-ground-water management areas may be allowed prior to the final pump installation permit issuance. When required as a condition of the well construction permit, subsequent pumping tests shall validate the acceptability of the permanent pump. The permanent pump installed prior to final pump installation permit issuance is subject to removal if the testing shows that a smaller pump is required to reduce the potential of affecting neighboring wells and localized upconing at the applicant's well."

If you qualify and wish to take advantage of this ruling, please include a written request to install the permanent pump prior to final pump installation permit issuance when you return to us your signed well construction permit.

Please sign and have the contractor sign both permit originals and return one for our files. Also, copies of the aquifer pump test worksheet and the well completion report form are enclosed for your use.

**IMPORTANT** - Drilling work shall not commence until a fully signed permit is returned to the Commission. Please provide all the information in this packet to your well drilling contractor. The permittee, well operator, and/or well owner are responsible for all conditions of the permit. This includes ensuring that the well construction contractor, or other party who constructs the well(s), submits a completed Part I of the Well Completion Report form (enclosed) within sixty (60) days after the well construction work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions starting from the permit approval date.

If you have any questions, please call Lenore Nakama of the Commission staff at 587-0218 or toll-free at 274-3141, extension 70218.

Aloha,

[Signature]

GILBERT S. COLOMA-AGARAN
Chairperson

Enclosures
WELL CONSTRUCTION PERM

Zweben, Well No. 1223-01

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the construction and testing of Zweben (Well No. 1223-01) at 4110 Wallapa Road, Kauai, TMK 5-1-5:19, 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 of the Commission on Water Resource Management (Commission), P.O. Box 621, Honolulu, HI 96809, shall be notified, in writing, at least two (2) weeks before any work authorized by this permit commences and staff shall be allowed to inspect installation activities in accordance with §13-166-15, Hawaii Administrative Rules.

2. The well construction permit shall be for construction and testing of the well only. A minimum 1/4-inch diameter monitor tube shall be permanently installed, in a manner acceptable to the Chairperson, to accurately record water levels. The permittee, well operator, and/or well owner shall coordinate with the Chairperson and conduct a pumping test in accordance with the Standards (a pump testing worksheet is attached). The permittee, well operator, and/or well owner shall submit to the Chairperson the test results as a basis for supporting an application to install a permanent pump and withdraw water for use. No permanent pump may be installed until a pump installation permit is approved and issued by the Chairperson.

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

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

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

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

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

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

9. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.

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

11. If the well is not to be used it must be properly capped. If the well is to be abandoned then the permittee, well operator, and/or well owner must apply for a well abandonment permit in accordance with §13-166-12(f) prior to any well sealing or plugging work.

12. The permittee, its successors, and assigns shall indemnify, defend, and hold the State of Hawaii harmless from and against any loss, liability, claim, or demand for property damage, personal injury, or death arising out of any act or omission of the applicant, assigns, officers, employees, contractors, and agents under this permit or relating to or connected with the granting of this permit.

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

Date of Approval: August 27, 2001
Expiration Date: August 27, 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 driller have signed, dated, and returned the permit to the Commission. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day starting from the permit date of approval.

Permittee's Signature: ___________________________ Date: __________
Printed Name: ___________________ Firm or Title: __________

Driller's Signature: _______________ C-57 License #: __________ Date: __________
Printed Name: ___________________ Firm or Title: __________

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

Attachment c
USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Kauai Department of Water Supply
**SECTION 1: WELL LOCATION INFORMATION**

<table>
<thead>
<tr>
<th>Island</th>
<th>KAUA'I</th>
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<tbody>
<tr>
<td>Aquifer System</td>
<td>LIHUE</td>
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<tr>
<td>Aquifer Sector</td>
<td>KILAUEA</td>
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<td>Proposed Use</td>
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<td>Proposed Withdrawal</td>
<td>10000</td>
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<td>System Sustainable Yield</td>
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**SECTION 2: WELL SECTION DATA** *(enter data in grey cells only)*

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<thead>
<tr>
<th>Elevation at top of casing</th>
<th>0 ft., m.s.l.</th>
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</thead>
<tbody>
<tr>
<td>Ground Elevation</td>
<td>0 ft., m.s.l.</td>
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<tr>
<td>Cement Grount</td>
<td>0 ft.</td>
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<tr>
<td>Rock Packing</td>
<td>0 ft.</td>
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<tr>
<td>Hole Diameter</td>
<td>0 in.</td>
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<tr>
<td>Total Depth</td>
<td>0 ft.</td>
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<tr>
<td>Estimated Head</td>
<td>0 ft., m.s.l.</td>
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<tr>
<td>Calculated Aquifer Thickness</td>
<td>0 ft.</td>
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<td>County Water Supply (Y/N ?)</td>
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**Solid Casing**

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<tr>
<th>Material</th>
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<tr>
<td>Designation</td>
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<tr>
<td>Length</td>
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<tr>
<td>Diameter</td>
<td>0 in.</td>
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<tr>
<td>Wall Thickness</td>
<td>0 in.</td>
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**Casing**

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<tbody>
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<td>Designation</td>
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<tr>
<td>Length</td>
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<tr>
<td>Diameter</td>
<td>0 in.</td>
</tr>
<tr>
<td>Wall Thickness</td>
<td>0 in.</td>
</tr>
<tr>
<td>Openings</td>
<td>0 sq.in./l.f.</td>
</tr>
</tbody>
</table>

**Open Hole**

| Length     | 0 ft.   |
| Diameter   | 0 in.   |

**SECTION 3: CHECKLIST** *(values to check are shaded)*

**Well Depth**

| Theoretical Thickness of Aquifer | 0 ft. |
| 1/4 Aquifer Thickness            | 0 ft. |
| Depth of Well below Sea Level    | 0 ft. |

**too deep** *(refer to HWCPIS Section 2.2)*

**Well Casing**

<table>
<thead>
<tr>
<th>Material</th>
<th>PVC, non-county</th>
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</thead>
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<tr>
<td>County or Non-County</td>
<td>non-county</td>
</tr>
<tr>
<td>Minimum Thickness per standards</td>
<td>#N/A, in.</td>
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<tr>
<td>Wall Thickness Provided</td>
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<tr>
<td>Minimum Length of Solid Casing</td>
<td>0 ft.</td>
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<tr>
<td>90% of ground to top of aquifer</td>
<td>0 ft.</td>
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<td>Length of solid casing Provided</td>
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</tr>
<tr>
<td>Casing Material</td>
<td>Sch 40</td>
</tr>
</tbody>
</table>

**too shallow** *(refer to HWCPIS Section 2.4 d)*

**Annular Space**

**If the cell above reads #N/A, reference HWCPIS**

**Depth of Grouting**

| Calculated Depth of Grouting | 0 ft. |
| Depth of Grouting provided   | 0 ft. |
| Thickness of Annular Space   | 0 in. |

**okay** *(refer to HWCPIS Section 2.6 c)*

**too small** *(refer to HWCPIS Section 2.6 d)*
TO: Harry Yada, Acting Administrator
   Land Division
FROM: Linnel T. Nishioka, Deputy Director
       Commission on Water Resource Management
SUBJECT: Well Construction/Pump Installation Permit Application
         Zweben (Well No. 1223-01)

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

Please find the attached maps to locate the proposed well. If you have any questions about this
permit application, request additional information, or request additional review time, please contact
Lenore Nakama of the Commission staff at 587-0218.

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

XX 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

XX Other comments: Original source of private title is Land Commission Award 8559_B:38 issued between 1845 and 1855.

Contact Person: Gary Martin Phone: 587-0421
Signed: Gary Martin Date: AUG 24 2001
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawoaka, Hazardous Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application  
Zweben (Well No. 1223-01)

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 August 24, 2001.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

RESPONSE:

- 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: Lori N. Kajiwara  
Phone: 808-429-4291

Signed: Lori N. Kajiwara  
Date: 8-13-2001
August 13, 2001

TO: Lenore Nakama  
Commission on Water Resource Management  
Department of Land & Natural Resources

FROM: Lori Kajiwara  
Wastewater Branch, Environmental Management Division  
Department of Health

SUBJECT: Well Construction/Pump Installation Permit Application  
Zweben (Well No. 1223-01)  
TMK: (4) 5-1-5: 19

Thank you for allowing us the opportunity to review the above subject project submitted by your office. We have the following comments to offer. We are concerned with any potential contamination to the wells via improper wastewater treatment and disposal from any nearby source. Although we have no objections to the proposed well construction/pump installation, we would like to inform you of our findings.

Our wastewater engineer on Kauai states that Individual Wastewater System (IWS) File No. 3591 was approved for use on June 14, 2000 for three (3) systems. Two (2) septic systems were installed to service a six (6) bedroom dwelling and another was constructed for a guest house. Please find attached a copy of the plot plan.

Should you have any further questions, please contact Lori Kajiwara of the Planning/Design Staff of the Wastewater Branch at telephone (808) 586-4294 or Mr. Joe Tateyama of the Kauai District Health Office telephone (808)241-3323.

LNK
Septic System A

Proposed Residence

Tennis Court

Lot 18

Lot 19
10.02 Acres

Lot 20

Septic System B

Proposed Guest House

Wailapa Road

Lot 18

Lot 19

Lot 20

Ronald J. Wagner
Registered Professional Engineer

Site Plan

Table:

<table>
<thead>
<tr>
<th>Lot</th>
<th>Size</th>
<th>Use</th>
<th>Absorption Area</th>
<th>Tank Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>331.00</td>
<td>Cottage</td>
<td>2644 sq.ft.</td>
<td>2,100 Gallon</td>
</tr>
<tr>
<td>19</td>
<td>1322.00</td>
<td>Guest House</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>1302.00</td>
<td>Guest House</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The location, existence, size, depth, and condition of any subsurface utility lines to this property have not been determined as part of this design. It will be the responsibility of the system installer to verify compatibility of design layout with any subsurface utilities.
The location, existence, size, depth, and condition of any subsurface utility lines to this property have not been determined as part of this design. It will be the responsibility of the system installer to verify compatibility of design layout with any subsurface utilities.
TO: Honorable Bruce S. Anderson, Director  
Department of Health  
Attention: Dennis Tulang, Wastewater Branch  
William Wong, Safe Drinking Water Branch  
Dr. Keith Kawakoa, Hazardous Evaluation and Emergency Response

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

SUBJECT: Well Construction/Pump Installation Permit Application  
Zweben (Well No. 1223-01)

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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 August 24, 2001.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

Lin:ky
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 16 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 29, Rules Relating to Potable Water Systems, §11-20-20.

This well does not qualify as a source serving a public water system (serves less than 25 people or more people at least 60 days per year or 15 service connections) and if the well 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, Director of Health approval is required prior to implementation.

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

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

For the applicant's information, a source of possible wastewater contamination [ ] 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 Yamaeda  
Phone: 586-4258

Signed: Date: 8/15/01
The Department of Health, Safe Drinking Water Branch has the following additional comments for the Well Construction / Pump Installation Permit Application for the Zweben Well (Well No. 2-1223-01 Kauai):

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-Drilling Activities:

Any discharge to State waters of treated process wastewater effluent associated with well drilling activities is regulated by Hawaii Administrative Rules, Title 11, Chapter 55, Appendix I, effective September 1997. Treated process wastewater effluent covered by this general permit includes well drilling slurries, lubricating fluids wastewaters, and well purge wastewaters. This general permit does not cover well pump testing. The applicable Notice of Intent Forms and filing fee shall be submitted at least thirty (30) days before the start of discharge to the Department of Health, Clean Water Branch at 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814-4290 or P.O. Box 3378, Honolulu, Hawaii 96801-3378. Inquiries may be directed to the Clean Water Branch at (808) 586-4309 or by fax at (808) 586-4352.

2. For Well Pump Testing:

The discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of the initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of that storm drain prior to discharge. Furthermore, best management practices shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.
Ms. Louise Zweben

Dear Ms. Zweben:

Well Construction/Pump Installation Permit Application for Well No. 1223-01

We acknowledge receipt, on July 31, 2001, of your completed Well Construction/Pump Installation permit application and filing fee for the Zweben (Well No. 1223-01). You can expect your application to be processed within ninety (90) days from this date.

For your information, the process of constructing a well is normally regulated and permitted in two (2) steps. First, a well construction permit is issued for drilling and testing purposes only. Based upon information provided by you through a Well Completion Report Part 1 (Well Construction), a pump installation permit (upon completed application) may then be issued to authorize pump work. If a pump is installed then a Well Completion Report Part 2 (Pump Installation) is required.

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

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

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

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

SUBJECT: Well Construction/Pump Installation Permit Application
Zweben (Well No. 1223-01)

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 August 24, 2001.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

LN: ky
Attachment(s)

RESPONSE:

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

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

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

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

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

[ ] 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: Well Construction/Pump Installation Permit Application
Zweben (Well No. 1223-01)

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 August 24, 2001.

Please find the attached maps to locate the proposed well. If you have any questions about this permit application, request additional information, or request additional review time, please contact Lenore Nakama of the Commission staff at 587-0218.

LN:ky
Attachment(s)

RESPONSE:

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

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

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ____________________________ Phone: ____________________________

Signed: ____________________________ Date: ____________________________
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REMARKS: LINE (1) WC/PIP Appl. for Well No. 1223-01
LINE (2)
LINE (3)
LINE (4)
LICENSE SCREEN

[ Look up License Type Codes-> ]
Please click a link listed below to display the other screen.

***** GENERAL LICENSEE *****

LIC ID: CT-21457
NAME: OASIS WATER SYSTEMS INC
TRADENAME:
STATUS: CURRENT, VALID & IN GOOD STANDING
ENTITY: CORPORATION
ORIG LIC DATE: 5/19/98
CLASS PREFIX: C
RESTRICTION:
BUSINESS ADDR: P O BOX 535   KILAUEA HI 96754
MAILING ADDR:

Click here to enter search criteria for prior complaints history ->
For prior complaints and disciplinary history, contact licensing and business information center at (808)587-3295.

<-Back   New Search->

EMPLOYEES LIST || EMPLOYERS LIST || INSURANCE/BOND || LICENSE CLASS

Copyright 2000 Professional and Vocational Licensing Division

Hawaii State homepage || DCCA || Professional and Vocational Licensing Division

http://www.ohawaii.gov/serv/pvl? a=d& f=n&lictp=CT&licno=21457&off=&nm=OASIS+ 7/31/01
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This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
Hi Lenore:

You will be receiving an application for well/pump permit in the mail. The owner is Zweben. Please add the following:

1. Enter the TMK 5-1-5-19
2. Enter item 7a. 10,000 gallons per day
3. Replace the USGS map with this one enclosed

Thanks

Steve
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT
Well Construction and/or Pump Installation

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 3 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 587-0225. For further information and updates to this application form, visit http://www.state.hi.us/dlnr/cwrm.

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

2. WELL NAME: ZWEBREN WELL
   Island: KAUAI
   Address: 360 KAUAIA AVE. HN 96752
   Tax Map Key: Zone: Sec: 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
   □ Modify Existing Well
   □ Abandon/Seal
   *State Well No.: ____________
   *(If unknown, please call Commission at 587-0225)

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

5. PROPOSED PUMP INFORMATION:
   Rated Pump Capacity: 40 gallons per minute
   Pump Type (Check one):
   □ Deep Well Turbine
   □ Submersible
   □ Centrifugal
   □ Rotary
   □ Rotary-Displacement
   □ Reciprocating
   □ Rotary-Gear
   □ Impulse

6. PROPOSED USE:
   (check all that apply)
   □ Municipal (including hotels, stores, etc.)
   □ Domestic (individual, noncommercial water system)
   □ Irrigation (crop)
   □ Industrial
   □ Military
   □ 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
   No. of Acres: 10

7. (a) PROPOSED AMOUNT OF WITHDRAWAL:
   □ Flowmeter
   □ Open-pipe
   □ Valve
   □ Orifice
   □ Other
   □ None
   □ Other (explain):
   10,000 x gallons per day

(b) METHOD OF FLOW MEASUREMENT:

OTHER IMPORTANT INFORMATION:

9. LEGAL REQUIREMENTS:
   □ CDUP
   □ SMAP
   □ EIS
   □ EA
   □ None
   □ Other (explain):

9. REMARKS, EXPLANATIONS:

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

Well Owner: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

Landowner: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

Contractor: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

For official use only
Latitude: 21.05
Longitude: 152.01
Well Owner: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

Landowner: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

Contractor: ZWEBREN
(legibly)
Signature: Louis Zwebren
Date: 7/2/01

Aquifer System No.: 2005
State Well No.: 123-01

WCP/IPA Form 10/25/00
To be determined

10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

- Hole Diameter: ___ in.
- Elevation at top of casing: __ ft., msl*.
- Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)
- Ground Elevation: __ ft., msl*
- Total Depth: __ ft.
- Rock or Gravel Packing:
- Material:
- Crushed Basalt
- Round Gravel
- Annular space between hole and casing (min.3"): ___ in.
- Estimated Water Level Elevation: __ ft., msl*
- Solid Casing: (2-90% x (Ground Elev-Water Level Elev))
- Total Length: __ ft.
- Nominal Diameter: __ in.
- Wall Thickness: __ in.
- Bottom Elevation: __ ft., msl*
- Open Casing:
- Q Perforated
- Q Screen
- Total Length: __ ft.
- Nominal Diameter: __ in.
- Wall Thickness: __ in.
- Bottom Elevation: __ ft., msl*
- Open Hole:
- Length: __ ft.
- Diameter: __ in.
- Bottom Elevation: __ ft., msl*

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

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

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

Solid Casing Material:
- Carbon Steel: compliant with (check one or more): Q ANSI/AWWA C200  Q API Spec. 5L  Q ASTM A53  Q ASTM A139
- Stainless Steel: (check one): Q ASTM A409 (production wells)  Q ASTM A512 (monitor wells)
- ABB Plastic conforming to ASTM F480 and ASTM D1527: (check one)  Q Schedule 40  Q Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):  Q Schedule 40  Q Schedule 80  Q Schedule 120
- Thermafoil Plastic: (check one):
- Thermoplastic: (check one): Q Filament Wound Resin Pipe conforming to ASTM D2098
- Centrally 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): Q ANSI/AWWA C200  Q API Spec. 5L  Q ASTM A53  Q ASTM A139
- Stainless Steel: (check one): Q ASTM A409 (production wells)  Q ASTM A512 (monitor wells)
- ABB Plastic conforming to ASTM F480 and ASTM D1527: (check one)  Q Schedule 40  Q Schedule 80
- PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one):  Q Schedule 40  Q Schedule 80  Q Schedule 120
- Thermoplastic: (check one):
- Thermoplastic: (check one): Q Filament Wound Resin Pipe conforming to ASTM D2098
- Centrally 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
LAND COURT SYSTEM
REGULAR SYSTEM
After Recordation, Return by: Mail (xx) Pickup ( )
MONTE ZWEBEN

( )

Escrow No. 98120264
Job No. 00088416
(6) pages

TYPE OF DOCUMENT:
WARRANTY DEED

PARTIES TO DOCUMENT:

GRANTOR: ANETT KARMEL ALLBRETT, a single woman
GRANTEE: MONTE ZWEBEN and LOUISE ZWEBEN, Trustees of the
Zweben Family Revocable Trust under unrecorded Trust
Agreement dated October 17, 1997

TAX MAP KEY FOR PROPERTY:

(4) 5-1-005-019
KNOW ALL MEN BY THESE PRESENTS:

ANETT KARMEL ALLBRETT, a single woman, whose mailing address is P. O. Box 671, Kilauea, Kauai, Hawaii 96754, hereinafter called the "Grantor", in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to the Grantor paid by MONTE ZWEBEN and LOUISE ZWEBEN, Trustees of the Zweben Family Revocable Trust under unrecorded Trust Agreement dated October 17, 1997, whose mailing address is [illegible], hereinafter called the "Grantee", the receipt of which is hereby acknowledged, does hereby grant and convey unto the Grantee, their successors in trust and assigns, IN TRUST, for the uses and purposes and with all the powers contained in the aforesaid trust instrument, including without prejudice to the generality of the foregoing, full power and authority to sell, convey, exchange, partition, mortgage, lease, pledge or otherwise deal with and dispose of any of the lands or other property or interests of the trust estate according to the Grantee's sole judgment and discretion, the property described in Exhibit "A" attached hereto and incorporated herein by reference.

AND the reversions, remainders, rents, issues and profits thereof, and all of the estate, right, title and interest of the Grantor, both at law and in equity, therein and thereto.

TO HAVE AND TO HOLD the same, together with the improvements thereon and all rights, easements, privileges and appurtenances thereunto belonging or appertaining or held and enjoyed therewith, unto the Grantee, as Trustees aforesaid, forever.

The Grantor hereby covenants with the Grantee that the Grantor is lawfully seised in fee simple of the premises described herein and has good right to sell and convey the same; that the same are free and clear of all encumbrances except as set forth herein and except for the lien of real property taxes not yet required by law to be paid; and that the Grantor will WARRANT AND DEFEND the same unto the Grantee against the lawful claims and demands of all persons, except as aforesaid.

This conveyance and the respective covenants of the Grantor and the Grantee shall be binding on and inure to the benefit of the Grantor and the Grantee, respectively. The terms "Grantor" and "Grantee" as and when used herein, or any pronouns used in place thereof, shall mean and include the singular or plural number, individuals, partnerships, trustees and corporations, and each of their respective heirs, personal representatives, successors and assigns. All covenants and obligations undertaken by two or more persons shall be deemed to be joint and several unless a contrary intention is clearly expressed herein.
IN WITNESS WHEREOF, the Grantor has caused these presents to be duly executed on this ___ day of ___, 19__.

[Signature]

ANETT KARMEL ALLBRETT

Grantor

STATE OF HAWAII

) SS:
COUNTY OF KAUAI

On this ___ day of ___, 19__, before me personally appeared ANETT KARMEL ALLBRETT, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

[Notary Stamp]

Patti Serdar
Notary Public, State of Hawaii.
My commission expires: 3/13/2000
EXHIBIT "A"

All of that certain parcel of land (being portion(s) of the land(s) described in and covered by royal Patent Grant No. 8323, Land Commission Award No. 8559-B, Apana 38 to Wm. L. Lunalilo (Certificate of Boundaries No. 30) situate, lying and being at Kahili, District of Hanalei, Island and County of Kauai, State of Hawaii, being LOT L-12-F, and thus bounded and described as per survey of Masao Fujishige, Registered Land Surveyor, dated February 11, 1980, described as follows:

Beginning at the Southeast corner of this parcel of land, on the North side of Road "A", the coordinates of said point of beginning referred to Government Survey Triangulation Station "KAMOKU" being 8,953.42 feet North and 1,050.77 feet West and running by azimuths measured clockwise from true South:

1. 86° 37' 41.60 feet along Road "A" to a pipe;

Thence along Road "A" on a curve to the right with a radius of 20.00 feet, the chord azimuth and distance being:

2. 41° 37' 28.28 feet;

3. 86° 37' 269.40 feet along Road "A" to a pipe;

4. 176° 37' 1,322.00 feet along Lot L-12-E to a pipe;

5. 266° 37' 331.00 feet along Lot L-12-C to a pipe;

6. 356° 37' 1,302.00 feet along Lot L-12-G to the point of beginning and containing an area of 10.020 acres, more or less.

TOGETHER WITH a pedestrian easement over and across the abutting Lot L-12-C, Wailapa Subdivision, for reasonable pedestrian access to the shoreline from the subject property. The easement shall be over that portion of Lot L-12-C as is reasonably safe and direct from the subject property to the shoreline; provided that the owner of record of said Lot L-12-C may relocate and define the easement as such owner's discretion so long as the relocated easement continues to provide reasonably safe and direct access from the subject property to the shoreline.

Being all of the land conveyed to Grantor herein by Limited Warranty Deed dated May 4, 1990, and recorded in the Bureau of Conveyances of the State of Hawaii as Document No. 90-072357.
TOGETHER WITH the rights and privileges set forth in that certain Morita Reservoir Agreement by and between Edwin V. Doty and Joyce H. Doty, husband and wife, and David Hassenmiller and Nancy J. Hassenmiller, husband and wife, "Grantee", and the Trustees Under the Will and of the Estate of Mary N. Lucas, Deceased, "Lucas", dated November 17, 1986, and recorded in said Bureau in Book 20573 at Page 20.

The foregoing agreement was assigned to Anett K. Allbrett, unmarried, by David Hassenmiller and Nancy J. Hassenmiller, husband and wife, by Assignment of Morita Reservoir Agreement Interest dated May 7, 1990, and recorded as Document No. 90-072354, and was assigned by Anett Karmel Allbrett (a.k.a. Anett K. Allbrett) to Monte Zweben and Louise Zweben, Trustees of the Zweben Family Revocable Trust, by Assignment Of Morita Reservoir Agreement Interest recorded concurrently herewith.

TOGETHER WITH all built-in furniture, attached existing fixtures, built-in appliances, water heater, electrical and/or gas and plumbing fixtures, attached carpeting, if any, refrigerator, ceiling fan, existing window coverings.

SUBJECT, HOWEVER, to the following:

1. Reservation in favor of the State of Hawaii of all mineral and metallic mines.

2. Electric and telephone pole anchor easements 10' x 5' wide located adjacent to Road A, as shown on survey map prepared by Masao Fujishige, Registered Land Surveyor, dated February 4, 1980.

3. Reservations covenants and conditions as contained in Agreement to Incorporate Agricultural Restrictions into Instruments of Conveyance dated August 21, 1978, by and between Kilauea Bay Consortium and the County of Kauai, more particularly described in Exhibit "A", Part II of Deed dated May 4, 1990, recorded in Document No. 90-072357.

4. Farm Dwelling Agreement by and between David and Nancy Hassenmiller and the County of Kauai Planning Department dated August 8, 1986, and recorded in said Bureau in Book 19820 at Page 565.

The foregoing agreement was assigned to Anett K. Allbrett, unmarried, by David Hassenmiller and Nancy J. Hassenmiller, husband and wife, by Assignment of Morita Reservoir Agreement Interest dated May 7, 1990, and recorded as Document No. 90-072354.

6. Grant in favor of Citizens Utilities Company and GTE Hawaiian Telephone Company Incorporated dated October 18, 1988, and recorded in said Bureau in Book 22768 at Page 481, granting an easement for utility purposes.
Note: Parcels 12, 14 to 24 owned by John S. Sramek, Jr. unless otherwise noted.