COMMISSION ON WATER RESOURCE MANAGEMENT
ROUTE SLIP FOR NEW APPLICATIONS

FROM: RYAN
DATE: 14-Jun-11
SUSPENSE DATE: 21-Jun-11

TO: INIT.
TO: INIT.
TO: INIT.
TO: INIT.

KUNIMURA, I.
TAM, W.
NAKAMA, L.
UYENO, D.
YODA, K.

Fujii, N.
Hardy, R.
Hoagbin, S.
Ice, C.

1 Approval
3 Signature
3 Information

PLEASE:

1 Review & Comment
Type Draft acknow letter

2 Type Final, label file folder, update People.db

4 File & Input Issue Date
Xerox copies

WELL NUMBER 5105-61
WELL NAME Nahla
WUP Number na

☐ WELL CONSTRUCTION ☐ PUMP INSTALLATION ☐ WUPA ☐ WUP Transfer ☐ DEC-ADM97-A1 Modification

ATTACHMENTS FOR APPLICATION PROCESSING - Both applicant & staff generated
1 TRANS. LETTER
2 PERMIT PROCESS TABLE ☑
3 CWRM MAPS ☑ making 1-mile radius and penciling in on hanging maps
4 APPL. FORM (11 COPIES)
5 USGS MAPS (11 COPIES)
6 TAX MAPS (11 COPIES)
7 PARCEL OWNER VERIF.
8 CONTRACTOR VERIF.
9 ALL INFO FILLED IN ☑
10 BACKGROUND CHECK ☑
11 $25 FEE DEPOSIT SLIP ☑
12 DHP/CDUP/SMA pre-screen ☑
(SMA map printout http://gis.hicentral.com/website/parcelzoning/viewer.htm, or INGRID'S SMA/CD MAP)
(LUC map printout http://luc.state.hi.us/luc_maps.htm, or INGRID'S SMA/CD MAP)

13 EA 343 5(a) triggers?
☑ NO
(If triggered, exemption analysis memo must be attached before accepting)

FOLDER:
☑ MADE NEW FILE FOLDER, ATTACHED
☐ FILE FOLDER ALREADY MADE, IN FILE CABINET

INCOMPLETE ACTION DATES:

DATE ACTION

1 ATF + Kini status? - will work on

15 Expired

These have been submitted to HR already.

Pump test data for Smith 3558-02.
August 22, 2011

Mr. Rod Diamond
Diamond Construction and Water Well Drilling
HCR #3 Box 14073
Keeau, HI 96749

Dear Mr. Diamond:

Well Construction/Pump Installation Permit Application for Well No. 5105-01

We have received your Well Construction/Pump Installation permit application and filing fee for the Nahla Well (Well No. 5105-01). We are processing your past well completion reports, and there are some discrepancies that need to be resolved by you (specifically a pump test for well no. 3558-02). However, we can still process this application for review. If the review warrants the issuance of a permit, we will either send you: 1) the approved permits, or 2) a letter of assurance that the permit will be issued to you once your outstanding completion report issues are resolved to our satisfaction.

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

By this acceptance letter, we are also notifying the well operator/landowner that no water may be pumped other than for testing until a certificate of well construction/pump installation completion letter is issued to the well operator and landowner.

The permitted pump capacity described on the pump installation permit may be reduced if the pump test does not support the capacity. No certificate of pump installation will be issued until the Commission determines that the pump capacity will not have adverse effects on the aquifer, other nearby wells, or streams. Thus, you may need to remove the pump and install a smaller pump if the Commission decides a smaller pump is required to protect water resources before you can withdraw water for purposes other than testing.

If you have any questions about your permit application, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai) extension 70255.

Sincerely,

WILLIAM M. TAM
Deputy Director

RI:ss
Attachment

c: Edward Johnston
August 22, 2011

TO: Honorable Loretta J. Fuddy, A.C.S.W., M.P.H., Director
    Department of Health
    Attention: Acting Chief, Wastewater Branch
    Joanna L. Seto, Chief, Safe Drinking Water Branch
    Alec Wong, Chief, Clean Water Branch
    Dr. Keith Kawaoka, Office of Hazard Evaluation and Emergency Response

FROM: William J. Aila, Jr., Chairperson

SUBJECT: Well Construction/Pump Installation Permit Application

Nahla Well (Well No. 5105-01) TMK 2-8-008:030
Well address: 28-3104 Mahakea Road

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

We would appreciate your comments on the captioned application for any conflicts or inconsistencies with the programs, plans, and objectives specific to your department. Please respond by returning this cover memo form by September 6, 2011. If we do not receive comments or a request for additional review time by this date, we will assume that you have no comments.

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

RESPONSE:

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

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

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

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

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

[ ] An NPDES permit is required.

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

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

[ ] No comments/objections

Contact Person: __________________________ Phone: _________________________________

Signed: ___________________________ Date: ________________________________
TO: Russell Tsuji, Administrator
   Land Division

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

SUBJECT: Well Construction/Pump Installation Permit Application
   Nahla Well (Well No. 5105-01) TMK 2-8-008:030

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

We would appreciate your comments on the captioned application with regard to the programs,
plans, and objectives specific to your division. Please respond by returning this cover memo form by
September 6, 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 Ryan
Imata of the Commission staff at 587-0255.

RESPONSE:

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

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

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

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

[ ] No objections

[ ] Other comments:

Contact Person: ___________________________ Phone: ___________________

Signed: ___________________________ Date: ___________________
TO: Dr. Pualakaokalani Aiu, Administrator
Historic Preservation
Attn: Theresa Donham

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

SUBJECT: Well Construction/Pump Installation Permit Application
Nahla Well (Well No. 5105-01) TMK: 2-8-008:030

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

We would appreciate your comments on the captioned application with regard to the programs, plans, and objectives specific to your division. Please respond by returning this cover memo form by September 6, 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.

RI:ss
Attachment(s)

RESPONSE:

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

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

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

Contact Person: ___________________________ Phone: ______________

Signed: ___________________________ Date: ___________________
Search Results

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<th>Owner/Lessee</th>
<th>Bds</th>
<th>Bths</th>
<th>Land area</th>
<th>Liv area</th>
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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. Copyright ©8/10/2011
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<td><strong>BUSINESS ADDR:</strong> HCR #3 BOX 14073 KEAAU HI 96749</td>
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<td><strong>MAILING ADDR:</strong></td>
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Click here to enter search criteria for prior complaints history ->

For prior complaints and disciplinary history, contact licensing and business information center at (808) 587-3295.

http://pvl.ehawaii.gov/pvlsearch/app?_a=d&_f=n&lictp=CT&licno=23379&off=&nm=RO... 8/12/2011
DIVISION OF LAND AND NATURAL RESOURCES

UAC OR ATTACHED WORKSHEET

DATE: June 8, 2011

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REMARKS:
LINE (1) Paul's Well
LINE (2) Nahia Well
LINE (3) Powers Farm Well
LINE (4) Kahi nano Well
LINE (5) Lua Wai Well
LINE (6) Well #3 and Well #4
LINE (7) Well #1 and Well #2
LINE (8)
LINE (9)
LINE (10)
Lorrie,
For the Water Commission, I was signing their form and emailing it back - now since this is going to you instead, I will need to make a new form - Im not going to write individual letters for each well. Please be patient, there are choke people waiting for my reply on everything under the sun.

Rod Diamond <diamond.drilling.pump@gmail.com>
05/27/2011 12:49 PM To Theresa.K.Donham@hawaii.gov cc Subject Re:
Conservation Clearance on following Properties
ToTheresa.K.Donham@hawaii.gov
cc
SubjectRe: Conservation Clearance on following Properties

Ryan,
The Hilo office is closed until June 15th. Therefore Theresa is out. I have showing above what she sent me regarding all of these applications.
State of Hawaii Land Use Commission Verbal Interpretation per Various Tax Map Keys at Hamakua, Kapehu, Keaau, Waikaumalo, & Opihikao, Hawaii

1 message

Fred Talon <FTalon@dbedt.hawaii.gov>                           Wed, May 18, 2011 at 2:38 PM
To: Rod Diamond <diamond.drilling.pump@gmail.com>
Cc: Bethany Morrison <bmorrison@co.hawaii.hi.us>, theresa.k.donham@hawaii.gov, Dan Davidson <DDavidson@dbedt.hawaii.gov>

Dear Mr. Diamond,

Please accept our apologies for late response.

Tax Map:

1-31: 069 SLU Agricultural District
1-2-022: 001 SLU Agricultural District
1-2-008: 003 SLU Agricultural / Conservation District
3-4-003: 001 SLU Agricultural / Conservation District
4-8-003: 010 SLU Agricultural District
4-8-003: 012 SLU Agricultural District

If you require clarification or further assistance please feel free to contact our office at (808) 587-3822.

Mahalo,
Fred Talon
State Land Use Commission
Phone: (808) 587-3822
Fax: (808) 587-3827
E-Mail: ftalon@dbedt.hawaii.gov or luc@dbedt.hawaii.gov
Website: http://luc.state.hi.us
Sorry Lorrie,

Tax Map Key: 2-8-008;030 is entirely within State Land Use Agricultural District.
- Show quoted text -
May 11, 2011

Mrs. Lorrie Diamond  
Diamond Drilling & Pump, LLC  
HC 3 Box 14073  
Kea'au, HI 96749-9229

Dear Mrs. Diamond:

SUBJECT: Special Management Area (SMA) Permitting Requirements  
Various Parcels; Hawai'i

Thank you for your recent email correspondence dated May 4, 2011 requesting Special Management Area (SMA) permitting requirements for the following proposed water well projects.

It is our understanding that your company will be submitting applications for well construction/ pump installation permits with the Department of Land and Natural Resources Commission on Water Resource Management. As part of the application, you are requested to obtain the SMA permitting requirements from our office.

For your use and convenience, we have provided the following table. It includes the County Zoning designation, State Land Use designation, and General Plan LUPAG designation. It also indicates whether or not the property is located within the SMA and if any SMA permit is required from the Planning Department for well construction/ pump installation.

Hawai'i County is an Equal Opportunity Provider and Employer
<table>
<thead>
<tr>
<th>Well Name</th>
<th>TMK</th>
<th>County Zoning</th>
<th>State Land Use</th>
<th>LUPAG</th>
<th>SMA</th>
<th>SMA Permits Required</th>
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<tr>
<td>Well #1</td>
<td>(3)4-8-003:010</td>
<td>Agricultural-40a</td>
<td>Agricultural</td>
<td>Important Agricultural Lands</td>
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<td>None Required</td>
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<td>Well #2</td>
<td>(3)4-8-003:010</td>
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<td>Agricultural</td>
<td>Important Agricultural Lands/Expansion</td>
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<td>None Required</td>
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<td>None Required</td>
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<td>Agricultural-40a</td>
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<td>Important Agricultural Lands</td>
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<td>Nahla Well</td>
<td>(3)2-8-008:030</td>
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<td>Important Agricultural Lands</td>
<td>Not in SMA</td>
<td>None Required</td>
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<td>Lua Wai Well</td>
<td>(3)1-5-031:069</td>
<td>Agricultural-1a</td>
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<td>Within SMA</td>
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<td>Kahionano Well</td>
<td>(3)3-4-003:001</td>
<td>Agricultural-20a</td>
<td>Agricultural/Conservation</td>
<td>Important Agricultural Lands/Open</td>
<td>Within SMA</td>
<td>Exempt per Planning Department letter dated August 9, 2000</td>
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<td>Powers Farm Well</td>
<td>(3)1-3-003:022</td>
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<td>Important Agricultural Lands</td>
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<td>None Required</td>
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</tbody>
</table>

We have no further comments to offer, at this time.
If you have any questions or if you need further assistance, please feel free to contact Bethany Morrison of this office at 961-8138.

Sincerely,

BJ LEITHEAD TODD
Planning Director

cc:  Mr. Ryan Imata
     State of Hawai‘i
     Department of Land and Natural Resources
     Commission on Water Resource Management
     P.O. Box 621
     Honolulu, HI  96809
Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by 10 copies and a non-refundable filing fee of $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 877-6238. For further information and updates to this application form, visit http://www.hawaii.gov/waterwrm.

## WELL LOCATION INFORMATION

<table>
<thead>
<tr>
<th>1. WELL NAME</th>
<th>Nahla Well</th>
<th>2. DUME</th>
<th>Hawaii</th>
<th>3. MAIL</th>
<th>ZONE</th>
<th>SEC</th>
<th>PLAT</th>
<th>PARC</th>
</tr>
</thead>
</table>

The following must be attached before this application is accepted as complete (check off if attached):
- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the map(s).
- 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 roads and proposed well infrastructure (if applicable).

For this permit, attach a grading plan with cross section profiles showing existing and future grade.

## WELL OPERATOR’S NAME/COMPANY

<table>
<thead>
<tr>
<th>Name/Company</th>
<th>Edward Patrick Johnston Helen Marie Rogers</th>
</tr>
</thead>
</table>

Well Operator’s Mailing Address:
28-3104 Mahakea Road
PO Box 636
Pepe‘ekoa, HI 96783

Cell: 896-0546

## PROPOSED WELL CONSTRUCTION

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<th>2. Depth</th>
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<td>X</td>
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<td>Shaft</td>
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<tr>
<td>Tunnel</td>
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## PROPOSED PUMP INSTALLATION

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<td>X Install New Pump</td>
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<tr>
<td>X Replace Pump</td>
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## DEFERRED

- [ ] 15. Municipal (water systems serving greater than 25 individuals or 15 service connections)
- [ ] 16. Domestic Number of units to be served: 1
- [ ] 17. Irrigation (describe number and no. of acres)
- [ ] 19. Military (describe)
- [ ] 20. Other (describe)

### OTHER LEGAL REQUIREMENTS

If required, items 21. and 23. must be obtained before the Commission can legally issue a permit.

- [ ] 21. Conservation District Use Permit (CDU)
- [ ] 22. Special Management Area Permit (SMAP)
- [ ] 23. Environmental Permit (EPA) 1026

### CONSTRUCTION

- [ ] 24. An Environmental Impact Statement was prepared and an Environmental Assessment was completed, and an Environmental Impact Statement was prepared and an Environmental Assessment was completed.

### WATER USE PERMIT

If applicable:

- [ ] 25. Water Use Permit No.

## ADDITIONAL REMARKS, EXPLANATIONS, ETC.

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

## SIGNATURES

26. WELL DRILLER

Rodney K Diamond
BC23378

Rodney K Diamond

3 MAY 11

27. PUMP INSTALLER

Rodney K Diamond
BC23378

Rodney K Diamond

3 MAY 11

WCP Form 931/2010
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Elevation at top of casing: 201 ft., msl*

Cement Grout: 140 ft. (min. 70% of distance from ground elevation to top of water surface or 500 ft., whichever is less.)

Grouting method:
☐ Positive Displacement
☐ Rock or Gravel Packing:
☐ Annular space between hole and casing (1/2" for positive displacement, 3" for other methods):
2 in.

Total Depth: 212 ft.

Material:
☐ Crushed Basalt
☐ Rounded Gravel

Estimated Water Level Elevation: 5 ft., msl*

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

Ground Elevation: 200 ft., msl*

Solid Casing: (= 50% x (Ground Elevation - Water Level Elev.))
Total Length: 200 ft.
Nominal Diameter: 4.5 in.
Wall Thickness: S40 in.
Bottom Elevation: -12 ft., msl*

Open Casing: ☐ Perforated ☐ Screen
Total Length: 12 ft.
Nominal Diameter: 4.5 in.
Wall Thickness: S40 in.
Bottom Elevation: -12 ft., msl*

Grouting method:
☐ Positive Displacement
☐ Rock or Gravel Packing:
☐ Annular space between hole and casing (1/2" for positive displacement, 3" for other methods):
2 in.

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

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

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = (Water Elevation - 41 x Water Level Elevation) / 4
Example: Estimated + 2 ft. Water Level Elev. >>> Bottom Elevation of Well Limit = (2 - 41 x (2) / 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
- Stainless Steel: compliant with (check one or more): ☐ ASTM A242 (or A606) ☐ Type E ☐ Type S ☐ Grade B ☐ Other
- Thermoset Plastic: compliant with (check one or more): ☐ Filament Wound Resin Pipe conforming to ASTM D2996 ☐ Centrifugally Cast Resin Pipe conforming to ASTM D2997 ☐ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517 ☐ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950 ☐ PTFE Fluorocarbon Tubing conforming to ASTM D3296 ☐ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:
- Carbon Steel: compliant with (check one or more): ☐ ANSI/AWWA C200 ☐ API Spec. 5L ☐ ASTM A53 ☐ ASTM A139
- Stainless Steel: compliant with (check one or more): ☐ ASTM A242 (or A606) ☐ Type E ☐ Type S ☐ Grade B ☐ Other
- Thermoset Plastic: compliant with (check one or more): ☐ 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
LOT A-1
2.46 ACRES
(more or less)

SHALL ASSURE PROPER SETBACK
PANCES TO PROPERTY LINES

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

DRIVEWAY: IN ACCORDANCE WITH
CHAPTER 22 OF THE HAWAII COUNTY
CODE, A PERMIT SHALL BE OBTAINED
FOR DRIVEWAY CONSTRUCTION
WITHIN THE COUNTY ROAD RIGHT-OF-
WAY.

GRADING: ALL EARTHWORK AND GRASS
SHALL CONFORM TO CHAPTER 10 OF THE
HAWAII COUNTY CODE. A PERMIT MAY
BE REQUIRED FOR LOT GRADING AND
GRADING.

DRAINAGE: NO ADDITIONAL RAINFALL
RUNOFF GENERATED BY THIS PROJECT
SHALL BE DISPOSED OF INTO COUNTY
ROADWAYS OR ADJACENT PROPERTIES.
ALL DRAINAGE IMPROVEMENTS SHALL
CONFORM TO CHAPTER 27 OF THE HAWAII
COUNTY CODE.

ROADWAY: CHECK WITH HIGHWAYS
DIVISION IF ROADWAY IS MAINTAINED
BY COUNTY OF HAWAII.

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

REVIEWED BY: W
DATE: SEP 25, 2005

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

2011 JUN - 8 AM 8: 43

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 897-0225. For further information and updates to this application form, visit http://www.hawaii.gov/dlnr/cwrm.

WELL LOCATION INFORMATION

1. STATE WELL No. (if already assigned) 2. WELL NAME Nahla Well 3. ISLAND Hawaii 4. TAK 2 5. WELL LOCATION MAP X: ___________________ Y: ___________________ ZONE SEC PLAT PARC

The following be attached before this application is accepted as complete (check off if attached):

□ 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 properties boundaries
□ Photograph of the proposed well site
□ A schematic diagram showing the well site, access road and proposed well infrastructure (if applicable)
□ Construction plans, including a general site plan with cross section profiles showing existing and proposed grade

5. WELL OPERATOR’S NAME/COMPANY

same

6. LANDOWNER’S NAME/COMPANY

Edward Patrick Johnston
Helen Marie Rogers

7. LANDOWNER’S Mailing Address

28-3104 Mahakea Road
PO Box 636
Pepe’ekeo, HI 96783
Cell: 896-0546

8. WELL OPERATOR’S Mailing Address

Landowner’s Mailing Address

9. WELL OPERATOR’S Phone

Landowner’s Phone

10. WELL OPERATOR’S Fax

Landowner’s Fax

11. WELL OPERATOR’S E-mail

Landowner’s E-mail

12. WELL OPERATOR’S E-mail

saispoint@gmail.com

PROPOSED WELL CONSTRUCTION


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

□ 350

9. Is this well part of a wellfield? Yes / No: Yes

PROPOSED PUMP INSTALLATION


X Install New Pump
X Replace Pump

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

25

13. Method of flow assessment

X Test meter

□ Open Pipe

□ Well

□ Office

□ Other

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

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

Deferr

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

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

19. Military (describe)

□ 20. Other (describe)

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

21. Conservation District Use Permit (CDUP)

□ Required. CDUP is required to use within Conservation District

□ Required. CDUP is required to use within Conservation District

□ X Not Required (attach documentation from OCC)

□ Required, CDUP is required to use within Conservation District

□ I have not checked with OCC about whether or not a CDUP is required

□ X Not Required (attach documentation from applicable County Agency)

□ I have not checked with the county about whether or not a CDUP is required

□ 23. Special Management Area Permit (SMAP)

□ Required. SMAP is required to use within Special Management Area

□ X Not Required (attach documentation from applicable County Agency)

□ Required. SMAP is required to use within Special Management Area

□ I have not checked with the county about whether or not a SMAP is required

□ 24. Historic Preservation Regulation (SHPO) of the Department of Land and Natural Resources

□ Required. SHPO is required to use within Historic Preservation District

□ X Not Required (attach documentation from applicable County Agency)

□ Required. SHPO is required to use within Historic Preservation District

□ I have not checked with the county about whether or not a SHPO is required

□ 26. Municipal Use Permit No. (if applicable)

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

25. Water Use Permit No.

27. PUMP INSTALLER (Must be filled out if application is for Pump Installation)

Rodney K Diamond

Rodney K Diamond

BC23739

BC23739

HCR #3 Box 14073 Keaau HI 96749

HCR #3 Box 14073 Keaau HI 96749

987-8100 966-4129

diamond.drilling.pums@gmail.com

987-8100 966-4129

E-mail

NOTE: Signing below indicates that the signatures understand and agree that the information provided is accurate and true to the best of their knowledge. Further, the signatures 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 90 days after the completion date of the permit work; 3) in the event that the application is not completed correctly, any permit may be suspended until the item is brought to compliance, and any work done while the permit is in suspension may result in fines of up to $500/day.
PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

For non-salt water Basal Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or, Bottom Elevation of Well Limit = (Water Elevation - 4 x Bottom Elevation of Water Level / 4) Example: Estimated + 2 ft. Water Level Elev. >>> Bottom Elevation of Well Limit = (2 - 41 x 2 / 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 (or A606)
  - Type E
  - Type S
  - Grade B
  - Other

- Stainless Steel: (check one):
  - ASTM A409 (production wells)
  - ASTM A512 (monitor wells)

- ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)
  - Schedule 40
  - Schedule 80
  - Schedule 120

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

- Thermoset Plastic: (check one)
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrifugally Cast Resin Pipe conforming to ASTM D2987
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
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**Open Hole:**
- Length: NA
- 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.
SHALL ASSURE PROPER SETBACKS OF STRUCTURES TO PROPERTY LINES

LOT A-1
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(more or less)

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DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

REVIEWED BY:
DATE: SEP 25, 2005

APPROVED