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**Property Info**

**Building Permit Info**

**Zoning Info**
**City & County of Honolulu**

**Department of Planning and Permitting**

---

### Details

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#### LAND CONTROL CODES

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#### FACILITIES

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No data available.

#### TMK SEPARATIONS

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<td>83 - FIELD CROP-NOT SUGAR CANE &amp; PINEAPPLE (PAPAYA, MACADAMIA NUT)</td>
<td>078.06</td>
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</table>

**Address List:**

1005 - MOANALUA RD

---

City and County of Honolulu
Department of Permitting & Planning

---

http://dppweb.co.honolulu.hi.us/dppweb/single.asp?PossePresentationId=7600&PosseObjectId... 7/8/05
MEMORANDUM FOR THE RECORD  2/19/03

FROM: Lenore Nakama
SUBJECT: Request for Water Shortage Plan from Lau Farm (2356-70)

Kelli called to inform us that Lau Farm is closing down. She no longer works at Lau Farm, but wanted to respond to our letter. I told her that since they will no longer be using the water, that no water shortage plan is needed. Her phone number is 538-1464.
January 10, 2003

Mr. Royden Lau
c/o Kelli Souza
Lau Taro Farm
98-114 Kamehameha Highway
Aiea, HI 96701

Dear Ms. Souza:

We are writing to request that you submit a water shortage plan for the Lau Taro Farm Well (Well No. 2356-70), as required under Administrative Rule §13-171-42(c), which states:

"All permittees, unless exempted by the Commission, shall submit a water shortage plan outlining how it will reduce its own water use in case of a shortage. Every water shortage plan shall be subject to approval or modification by the Commission."

Your water shortage plan should identify what you are willing to do should the Commission declare a water shortage situation in the Waimalu Ground-Water Management Area. In a water shortage situation, the Commission may require temporary reductions in pumpage from all sources. The Commission is required, by law, to formulate a plan to implement such area-wide reductions, which shall consider and incorporate appropriate provisions set forth within your water shortage plan for implementation. Therefore, your help in submitting a water shortage plan will be beneficial in the Commission's formulation of an overall Water Shortage Plan. At a minimum, we request that you identify the percent reduction (e.g. 5%, 10%, 15%, etc.) in water use that can be sustained indefinitely during a water shortage situation by filling in the table below:

<table>
<thead>
<tr>
<th>Well Name (Well No.)</th>
<th>Permitted Use</th>
<th>Allocation (mgd)</th>
<th>Percent Reduction in Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lau Taro Farm (2356-70)</td>
<td>Irrigation</td>
<td>0.100</td>
<td></td>
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</table>
After you have filled in the last column on the above table, please make a copy of this letter and return it to us at the above address. Please retain the original for your records.

Please respond to this letter within the next thirty (30) days. If there are any questions, please contact Lenore Nakama at 587-0218.

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

LN:ss
FIELD MEMORANDUM

File Ref: Lau Taro Farm

Inspection date: November 12, 1997

Present: Susan Swanson, CWRM

General location: Taro farm mauka of Sumida Farm, makai of Pearlridge, east of large cement drainage canal.

Source TMK: 9-8-16:48

Description of well: 8" casing which leaks between the top plate and the casing
2" intake to Peerless Pump 112396, dia. 5.6, type: 0-615AMEF

Type of Meter: Badger Meter, serial # 88648084, which read 76,360,900 on November 12, 1997 at 08:45 am.

Type of irrigation: Flood irrigation for Chinese taro. Another kind of taro is also grown, called "red top" for the workers.

This well was field inspected in 1991 by Anne Okamura & Neil Fujii. Monthly pumpage reports appear not to have been filed for this well, in the past. Due to an illness in the family, Kelli Souza, Mr. Royden Lau's niece, is now the contact person for this well. Neil Fujii requested a site visit to document the well and the water meter which was reported to have been replaced in the last few years. The Board of Water Supply has kept records on this well's pumpage for a number of years; the past data is expected to be downloaded at a later date. We have asked Ms. Souza to read the meter each month and report the farm's pumpage on a monthly basis.

Kelli Souza was unavailable to meet me for our 8:30 appointment due to a sprained ankle, so one of the workers showed me the well and meter. I left my card with the woman I spoke to, with today's meter reading, asking her to relay it to Kelli Souza.

Access to Lau Farm is through Sumida Farm off Kam Hwy adjacent to Pearlridge. Drive down the gravel road, parallel to the channelized drainage channel. On the west side of the road is a open structure with a cement koi pond with water dropping into it from a pipe. Approx. 40' to the west of the koi pond, the well is located in a dense tangle of potted palm trees.
The casing visible above ground is 8" in diameter. The water use declaration lists the casing as 12" & 8" (Does this refer to 12" hole and 8" casing??) The well drilling permit lists the well as having a 10" diameter hole with a 6" diameter casing. No pump completion report was listed that specifies. The casing is covered with a plate with a 2" intake pipe to the Peerless Pump. The well is leaking between the casing and the top plate. (This water isn’t wasted because the runoff from the taro patch is used by the BWS for nonpotable highway irrigation.) The well appears to be an artesian well, the area around the well is muddy; the edge of the taro patch is located within 10’ of the well.

The 2" pipeline exiting the pump is metered with a 2" Badger Meter, serial # 88648084 which read 763609 with two fixed zeros. This translates to a total pumpage of 76,360,900 gallons. See File Ref: “Lau Taro Farm” for photos of the well, the meter & taro being irrigated with this water.
The casing visible above ground is 8" in diameter. The water use declaration lists the casing as 12" & 8". (Does this refer to 12" hole and 8" casing??) The well drilling permit lists the well as having a 10" diameter hole with a 6" diameter casing. No pump completion report was listed that specifies. The casing is covered with a plate with a 2" intake pipe to the Peerless Pump. The well is leaking between the casing and the top plate. (This water isn't wasted because the runoff from the taro patch is used by the BWS for nonpotable highway irrigation.) The well appears to be an artesian well, the area around the well is muddy; the edge of the taro patch is located within 10' of the well.

The 2" pipeline exiting the pump is metered with a 2" Badger Meter, serial # 88648084 which read 763609 with two fixed zeros. This translates to a total pumpage of 76,360,900 gallons. See File Ref: “Lau Taro Farm” for photos of the well, the meter & taro being irrigated with this water.
STATE OF HAWAI'I  
COMMISSION ON WATER RESOURCE MANAGEMENT  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
DIVISION OF WATER RESOURCE MANAGEMENT  

REGISTRATION OF WELL  
AND  
DECLARATION OF WATER USE  

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809. Phone 548-3948 or 548-7543 for assistance.  

BATTERY OF WELLS: For a battery of wells, on the surface, in a tunnel, or in a shaft, submit a registration form for each well together with a single map or plot plan showing layout of wells.  

STATE WELL NO.: 9366-70  
WELL NAME OR DESIGNATION: KALALAO  
ISLAND: OAHU  

SOURCE OR STATION NAME (For a battery of wells):  

A. WELL OPERATOR  
Firm name: LAAI TARG FARM  
Contact person: ROYDEN LAAI  
Address: 98-114 KAM HWY  
AIEA, HAWAU  
Zip: 96701 Phone: 488-4740  

B. OWNER OF WELL SITE  
Firm name: LAAI TARG FARM  
Contact person: ROYDEN LAAI  
Address: 98-114 KAM HWY  
AIEA, HAWAU  
Zip: 96701 Phone: 488-4740  

C. WELL LOCATION  
9-8-16-148  
Tax Map Key: 9-8-16-148 Town, Place, District: AIEA, OAHU, HAWAU  
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.  

D. WELL DATA  
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.  
For Tunnel and Shaft, submit construction drawings, plot plan, or sketch map.  

Ground elevation (Mean sea level): +11.5 ft.  
Reference point (Used to measure depth to water): Elevation: +11.5 ft.  
Description: GROUND ELEVATION  
Depth to water (Below reference point): 0 ft.  
Maximum recorded chloride: 484 ppm  
Minimum recorded chloride: 12 ppm  
Maximum chloride in 1987: 484 ppm  
Year drilled or constructed: 1987  
Well contractor: ROSCOE MOSS CO.  
Casing diameter: 12 & 8 in.  
Solid casing depth (Below ground): 170 ft.  
Perforated casing depth (Below ground): 220 ft.  
Total depth of well: 261 ft.  
Minimum chloride in 1987: 451 ppm  

E. INSTALLED PUMP DATA  
Pump type: □ Vertical shaft □ Submersible □ Centrifugal □ Other (specify):  
Power: □ Diesel, HP □ Gas, HP □ Electric, L.O. HP □ Other (specify):  
Pump capacity: 75-80 gallons per minute  
Pump installation contractor: ROSCOE MOSS CO.  

... (continued over)  

For Official Use Only:  
Date received: ____ Date accepted: ____  
Field checked by: ______ Date: ______ Latitude: ______ Hydrologic Unit: ______  
Comments: ______ Longitude: ______ State Well No: ______  

References: Hawaii Revised Statutes, Chapter 174C.  
Hawaii Administrative Rules, Chapters 13-167 to 13-171.
F. DECLARATION OF WATER USE

NOTE: The purpose of the Declaration of Water Use is to obtain information necessary for the management of the State's water resources. The Declaration does not confer a legal right to water or its use.

Water use data are recorded:  □ Daily  □ Weekly  □ Monthly
Method of measurement:  □ Flow Meter  □ Orifice
□ Other (Describe):  Flow

Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

WATER USE, IN GALLONS x 1000

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Minimum day's use:  ± 42 gallons  Maximum day's use:  560 gallons
Typical times of usage:  CONTINUOUS

Type of Use (Check all category boxes that apply and provide additional information as indicated):

Category
□ Municipal (including resorts, hotels, businesses)
□ Domestic (systems serving 25 people or less)
□ Irrigation
□ Industrial
□ Military
□ Other

Additional Information

Number of service connections: ____________
Acres Irrigated:  LESS THAN 1 ACRE
Crop(s):  □ Sugar  □ Pineapple  □ Other (specify):  TARD
Non-Crop:  □ Landscape  □ Golf Course  □ Other (specify):  ____________
Method:  □ Drip  □ Furrow  □ Sprinkler  □ TARD PITCH
□ Irrigation
□ Cooling  □ Manufacturing  □ Mill  □ Other (specify):  ____________

Specify (livestock, aquaculture, etc.):  Field

I declare that the contents of the above Declaration of Water Use are, to the best of my knowledge and belief, true, correct, and complete.

Water User's Signature:  Date: 5-15-89
Printed Name:  KELLETT, YC, LAD
Firm or Title (Well Operator, etc.):  LADY FARM INC
FIELD INSPECTION INFORMATION CHECKLIST  
(Ver 7/27/90)

PART I: USE OF WATER  
Declarant's File Reference: LAW FARM

1. Tax Map Key where the water is used: 9 - 8 - 150 - 48. Does the declarant own this land? No If not, who does? Bishop Estate.

2. What is the water used for? Irrigation of 1 acre of potato; fish pond. If for irrigation, how many acres are being irrigated by crop type? N/A
   If for drinking, at how many houses? N/A by how many people? N/A

3. Is the quantity of water use being measured? Yes. If yes, document the location of the measurement point and method of measurement; also get use records if these were not submitted previously. Measured by B&W.

4. If this person takes from a multi-user pipe or ditch system: N/A
   How is the water taken from the system? 
   What is the capacity for taking (gpm)? 
   How often is it taken (used)?

PART II: WATER SOURCE  
Source #: 2350.70 Name: Kalauao/Law Farm Well

1. Where does the water come from / what kind of source is this? Drilled well

   Types of sources include:
   1) Wells (drilled, dug, tunnel)
   2) Diversions (ditch, pipe, or pump from a stream, spring, swamp, pond)
   3) Multi-source systems. (Declared use cannot be traced to a single well or diversion)
   NOTE: If a multi-user system: take from pipe or ditch (need to determine whether this is a multi-source or single-source system before the data can be input to the computer)
   4) Instream (i.e., livestock drink from stream, or crops planted along water edge)

2. Show the source location on maps, determine latitude and longitude, and document the nature of source development by measurements, sketches, and photographs. How is the water taken? Pump W/ 1.0 HP motor
   What is the capacity for taking (gpm)? 75-80 gpm
   How often is it taken (used)? Continuously

3. Tax Map Key at the source: 9 - 8 - 150 - 48. Determine declarant's relation to source. Does the declarant:

   1) Operate and maintain the source? Yes If not, who does? N/A
   2) Own the land at the source? No If not, who does? Bishop Estate
   3) Use the water from this source? Yes If not, who does? N/A
   4) Own the land where the water is being used? No

4. Does any one else also use water from this source? Yes If yes, is their use included in this user's declaration? No Who are the other users? Did they file? Honolulu Board of Water Supply uses runoff from fields. Did not file for this source.

VERIFIED BY: Neal Fujii / Anne Okamura  DATE: March 11, 1991
June 10, 1987

Mr. Francis K.Y. Lau,
Ms. Ellen S. Lau, and
Mr. Dwight Y.W. Lau
98-114 Kamehameha Highway
Aiea, Hawaii 96701

Dear Francis, Ellen, and Dwight Lau:

It has come to our attention that work is being done to abandon a well on your property. In accordance with Chapters 177 and 178, entitled "Legislation on Ground Water Use and Wells, Generally", Hawaii Revised Statutes and Chapter 166, Title 13, Administrative Rules, a Well Modification Permit is required from our Department prior to beginning such work.

As owners of the well, please submit a completed application (application enclosed) for a Well Modification Permit as soon as possible.

If you have any questions, please contact the Division at 548-7619.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

cc: J.C. Penney Company
Mr. Masanobu R. Fujioka-
Dames & Moore
Roscoe Moss Co.
P E R M I T
TO WITHDRAW AND USE GROUND WATER

Applicant: Lau Taro Farm Application Date: 6/19/86
Address: 98-114 Kamehameha Highway, P.O. Box 215, Aiea, HI 96701
Ground Water Control Area: Pearl Harbor Subarea: Koolau
Well(s) Name: Lau Taro Farm State Well No.(s): 2356-70
Amount of Withdrawal: (Average Annual) 0.1 mgd (Max. Day) 0.1 mgd
Beneficial Purpose of Withdrawal: Irrigation of taro farm
Area or Projects Served: Lau Taro Farm

The applicant is hereby granted a permit to withdraw and use ground water from the source identified above, in accordance with Chapter 177, HRS, Administrative Rule, Chapter 166 of Title 13; and the following:

General Conditions. (1) the water use authorized by this permit must be for the beneficial purpose described in this permit; (2) the use must not interfere substantially and materially with existing individual household uses, existing preserved uses, or existing permitted uses; (3) the use is subject to the shortage and emergency powers of the Board of Land and Natural Resources; (4) this permit may be suspended or revoked in accordance with Chapter 166 of Title 13; (5) the permit holder may be required to relinquish this permit at any time or specified time after issuance to the Board of Land and Natural Resources in accordance with Chapter 166 of Title 13; (6) an approved flowmeter(s) must be installed to measure withdrawals; and a record of the withdrawals must be kept and reported to the Department of Land and Natural Resources, Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809, on a monthly basis.

Additional Conditions.
The term of this permit shall be twenty years from the date of issuance, subject to review and adjustment every five years.

In the event that the original spring source decontaminates, the new well authorized will be shut down.

The issuance of this permit was approved by the Board of Land and Natural Resources at its meeting on August 22, 1986

Chairperson of the Board

Date of Issuance:
August 27, 1986

Mr. Francis K.Y. Lau,  
Ms. Ellen S. Lau, and  
Mr. Dwight Y.W. Lau  
98-114 Kamehameha Highway  
Aiea, Hawaii 96701  

Dear Francis, Ellen, and Dwight Lau:

The Board of Land and Natural Resources (Board) approved your request for water use in the Pearl Harbor Ground Water Control Area with one condition. The condition stipulates that in the event the contaminated spring source should clear up, then the new well authorized will be shut-down in favor of the spring source.

Enclosed is a copy of the approved Board submittal. My staff is processing the Water Use Permit and will send it to you shortly.

Sincerely,

MANABU TAGOMORI  
Manager-Chief Engineer

ES:dh  
Enc.
August 27, 1986

Mr. Masanobu R. Fujioka
Dames and Moore
1144 10th Avenue, Suite 200
Honolulu, Hawaii 96816

Dear Mr. Fujioka:

The Board of Land and Natural Resources (Board) approved your request for water use in the Pearl Harbor Ground Water Control Area with one condition. The condition stipulates that in the event the contaminated spring source should clear up, then the new well authorized will be shut-down in favor of the spring source.

Enclosed is a copy of the approved Board submittal. My staff is processing the Water Use Permit and will send it to you shortly.

Sincerely,

[Signature]

MANABU TAGOMORI
Manager-Chief Engineer

ES:dh
Enc.
Chairperson and Members
Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Lau Taro Farm Water Use Permit Application
Pearl Harbor Ground Water Control Area, Oahu

Applicant:
Dwight Y.W., Ellen S., and Francis K.Y. Lau
Lau Taro Farm
98-114 Kamehameha Highway
P.O. Box 215
Aiea, Hawaii 96701

Background:
The Lau Taro Farm formerly obtained its irrigation water from a small spring. Prior to designation of the Pearl Harbor Ground Water Control Area, gasoline contamination from a nearby station forced the closing of their spring source. Temporary wells adjacent to the farm were drilled to remove the contaminants and to supply water to the farm. To date, most of the contamination has been removed and the temporary wells, which are not located on the farm, will be sealed. Applicant requests water use permit for a new well to be drilled on the farm to replace the temporary well source. A new well will tap the same water that formerly issued as springs on the farm.

Action Requested:
A permit to withdraw 0.1 million gallons per day (mgd) from a new well.
Use:
Irrigation of taro farm.

Well Location:
The well would be drilled on the Lau Taro Farm (Tax Map Key 9-8-16:48) located at Kalauao Springs, mauka of the Sumida Watercress Farm.

Impact on Surrounding Wells:
No detrimental effects.

Analysis:
The well will not adversely affect any existing sources or springflows in the area.

Approved by the Board with added condition: (at the meeting on 8/22/86)
(3) In the event that the original spring source decontaminates, the new well authorized will be shut-down. ITEM D-4
Water Availability:

The status of the Pearl Harbor Ground Water Control Area, if Item D-3 is approved, is as follows:

<table>
<thead>
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<th>Koolau Subarea (mgd)</th>
<th>Waianae Subarea (mgd)</th>
<th>PHOWCA Total (mgd)</th>
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<td>6.463</td>
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RECOMMENDATION:

That the Board approve the issuance of a Water Use Permit to Lau Taro Farm to pump 0.1 mgd for irrigation use, subject to the requirements of other applicable laws, rules and ordinances, and the following conditions:

1. The term of the permit shall be twenty years from the date of issuance, subject to review and adjustment every five years.

2. The development of the ground water source shall be completed within 24 months from the date of permit issuance.

Respectfully submitted,

MANABU TAGOMORI
Manager-Chief Engineer

APPROVED FOR SUBMITTAL

SUSUMU ONO, Chairperson
July 30, 1986

Mr. Masanobu R. Fujioka
Dames & Moore
1144 10th Avenue, Suite 200
Honolulu, Hawaii 96816

Dear Mr. Fujioka:

We acknowledge receipt of your applications for a Permit to Withdraw Water for Beneficial Use and a Well Drilling Permit and their corresponding filing fees on behalf of the J.C. Penny Co. for a well to be located on the Lau Taro Farm in the Pearl Harbor Ground Water Control Area.

My staff is reviewing the applications and will contact you should there be any questions.

Sincerely,

MANABU TAGOMORI
Manager-Chief Engineer

ES:ko
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<td>Deposit checks 6/24/68</td>
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WE ARE SENDING YOU  □ Attached □ Under separate cover via ___the following items:

□ Shop drawings □ Prints □ Plans □ Samples □ Specifications
□ Copy of letter □ Change order □

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<td>$100 check for above applications</td>
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<tr>
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<td></td>
<td>Existing BWS permit</td>
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THESE ARE TRANSMITTED as checked below:

□ For approval □ Approved as submitted □ Resubmit____ copies for approval
□ For your use □ Approved as noted □ Submit____ copies for distribution
□ As requested □ Returned for corrections □ Return____ corrected prints
□ For review and comment □

□ FOR BIDS DUE ____________ 19 □ PRINTS RETURNED AFTER LOAN TO US

REMARKS: Following discussions with Ed Sakoda, the completed permit applications are submitted. Signatures have been obtained from the Kaumakapili and from Bishop Estate. For the request of Ed Sakoda, a copy of the existing permit is also enclosed.

COPY TO Frank Zimmerman, John Andrew - JCPenny
SIGNED: Shigeo K. Fujitaka

If enclosures are not as noted, kindly notify us at once.
APPLICATION FOR: (check one)

☐ PERMIT TO WITHDRAW WATER FOR BENEFICIAL USE
☐ PERMIT TO SUPPLY WATER FOR BENEFICIAL USE

Instructions: Fill out, sign, and send application with pertinent attachments to Dept. of Land & Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809. A non-refundable filing fee of $100 is required, excepting military, federal, state, and local government agencies.

1. NAME OF APPLICANT: Francis K. Y. Lau
   Address: 98-114 Kamehameha Hwy.
   Phone: 488-4241

2. REQUESTED BENEFICIAL USE OF WATER:
   ☐ Domestic ☐ Municipal ☐ Military ☐ Agricultural ☐ Industrial ☐ Other
   Appropriately describe nature and purpose of requested use: Supply water for irrigation of taro farm. Prevent spreading of hydrocarbons in subsurface.
   Proposed commencement date of water use: July 1986

3. REQUESTED AMOUNT OF WITHDRAWAL OR SUPPLY:
   Average Annual: 0.1 mgd; Maximum Month: 0.1 mgd; Maximum Day: 0.1 mgd
   Appropriately describe schedule or times of taking requested withdrawal: 24 hours a day, 365 days a year

4. NATURE AND TERM OF REQUESTED PERMIT:
   ☐ Temporary ☐ Permanent
   Requested period of permit: 20 years

5. PROPOSED SOURCE OF WATER SUPPLY:
   ☐ Existing source ☐ Modification of existing source ☐ New source
   Briefly describe existing or proposed source and any related facilities and submit map, plot plan, and plans or drawings of source of supply: New well to be located on taro farm.
   Plot plan attached

6. ASSESSMENT OF REQUESTED WATER USE OR SUPPLY
   In a separate attachment to this application, applicant must provide a written assessment addressing the desirability of issuing the requested permit, including such considerations as the availability of water, the beneficial purpose of the proposed water use, and the impact, if any, of the proposed water use on existing permitted uses, preserved uses, and individual household uses.

Signature: ___________________________ Date: May 19, 1986
Water User or Supplier

Signature: ___________________________ Date: 6/13/86
Owner of Water Source

In accordance with Department Regulation No. 9, every permit approved and issued by the Board of Land & Natural Resources shall be for a specified period of time, for a specified beneficial use, subject to suspension and revocation, and subject to the shortage and emergency powers of the Board. Consideration of applications for a permit shall include: availability of water, beneficial purpose of water use, non-impairment of the most beneficial use and development of the water resources in the designated area, and no substantial and material interference with existing uses of water.

FILING FEE DEPOSITED: 6/24/86

For Official Use:
Docket No. ___________________________
180 days
Board Approved ___________ Disapproved ________
Well No. ___________________________
6. Assessment of Requested Water Use

The springs and seeps on the taro farm were contaminated by leaked gasoline in 1976 and 1977. A ditch and dike system leading to a separator/evaporator pond was installed to contain water from the contaminated springs and seeps. Much of the flow from the springs was cut off by this system.

Two principal and one backup well were installed within the Pearlridge Shopping Center parking lot under Board of Water Supply Permits and serve/served two purposes:

a. Preventing the spread of gasoline in the subsurface, through hydraulic influences.

b. Replacing the contaminated springs as a source of irrigation water for the taro farm.

With time, the quantity of gasoline and the potential for spreading of the gasoline has been reduced. However, small quantities of gasoline are expected to continue contaminating the springs and seeps for a long time.

With the installation of a well on the taro farm, to serve as the water source for the farm, pumping from the wells in the shopping center parking lot can be phased out. This would be done carefully to minimize the risk that gasoline in the subsurface could spread.

This action would result in phasing out of the temporarily permitted wells in the shopping center, which are not currently part of the 225 MGD permitted withdrawals from Pearl Harbor Ground Water Control Area.

The use of the proposed well water also would be an interception of water which would naturally come out from the springs, if the well were not pumped.
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DATE: 5-15
FILE IN: 

6/13/86

PLS check 0.10 mg/l figure.

Ed, pls ch & expedite.

Let Mama know, please.

April 26, 1985

Any date or low 0.10 mg/l 735 3585

...arrived at P...
TO State of Hawaii
   Dept. of Land and Natural Resources
   Division of Water and Land Development
   1151 Punchbowl St. Rm #227
   Honolulu, Hawaii 96813

WE ARE SENDING YOU Attached Under separate cover via messenger the following items:

- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- ____________________________

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<td>Permit to Withdraw Water for Beneficial Use</td>
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<td>Well Drilling Permit</td>
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- Approved as submitted
- Resubmit copies for approval
- For your use
- Approved as noted
- Submit copies for distribution
- As requested
- Returned for corrections
- Return corrected prints
- For review and comment

REMARKS: As per our discussion at a meeting at your offices last Tuesday, these draft permit applications are submitted for your review and comment prior to our formal submittal.

I will be out of town, but this matter will be handled by S. K. Djou of our office during my absence. Please contact Mr. Djou with any comments or comments may be made directly on the draft permit applications. Please call Mr. Djou and arrangements will be made to pick up your comments.

Again, thank you very much for your assistance.

COPY TO Frank Zimmermann, John Andrew, S. K. Djou

SIGNED: 

If enclosures are not as noted, kindly notify us at once.

MASA FUJIOKA
State of Hawaii
Department of Land and Natural Resources

Pearl Harbor Ground Water Control Area

APPLICATION FOR: (check one)

☐ PERMIT TO WITHDRAW WATER FOR BENEFICIAL USE
☐ PERMIT TO SUPPLY WATER FOR BENEFICIAL USE

Instructions: Fill out, sign, and send application with pertinent attachments to Dept. of Land & Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809. A non-refundable filing fee of $100 is required, excepting military, federal, state, and local government agencies.

Dwight Y. W. Lau
Ellen S. Lau
Francis K. Y. Lau

Address 98-114 Kamehameha P.O. Box 215
P.O. Box 246
Aiea, Hawaii 96701

Hydrocarbon

Agricultural

Military

Industrial

Other

Control (specify)

1. NAME OF APPLICANT

Francis K. Y. Lau

2. REQUESTED BENEFICIAL USE OF WATER:

☐ Domestic ☐ Municipal ☐ Military ☐ Agricultural ☐ Industrial ☐ Other

Proposed commencement date of water use: July 1986

Appropriately describe nature and purpose of requested use: Supply water for irrigation of taro farm. Prevent spreading of hydrocarbons in subsurface.

3. REQUESTED AMOUNT OF WITHDRAWAL OR SUPPLY:

Average Annual 0.1 mgd; Maximum Month 0.1 mgd; Maximum Day 0.1 mgd

Appropriately describe schedule or times of taking requested withdrawal:

24 hours a day, 365 days a year

4. NATURE AND TERM OF REQUESTED PERMIT:

☐ Temporary ☐ Permanent

Requested period of permit 20 years

5. PROPOSED SOURCE OF WATER SUPPLY:

☐ Existing source ☐ Modification of existing source ☐ New source

Briefly describe existing or proposed source and any related facilities and submit map, plot plan, and plans or drawings of source of supply: New well to be located on taro farm.

Plot plan attached

If construction work is proposed for new or modified existing source, give:

Commencement Date June '86 Completion Date July '86

6. ASSESSMENT OF REQUESTED WATER USE OR SUPPLY

In a separate attachment to this application, applicant must provide a written assessment addressing the desirability of issuing the requested permit, including such considerations as the availability of water, the beneficial purpose of the proposed water use, and the impact, if any, of the proposed water use on existing permitted uses, preserved uses, and individual household uses.

Signature: Water User or Supplier

Date: __________________________

Signature: Owner of Water Source

Date: __________________________

In accordance with Department Regulation No. 9, every permit approved and issued by the Board of Land & Natural Resources shall be for a specified period of time, for a specified beneficial use, subject to suspension and revocation, and subject to the shortage and emergency powers of the Board. Consideration of applications for a permit shall include: availability of water, beneficial purpose of water use, non-impairment of the most beneficial use and development of the water resources in the designated area, and no substantial and material interference with existing uses of water.

For Official Use:

Docket No. 180 days

Board Approved Disapproved

Well No. __________________________
6. Assessment of Requested Water Use

The springs and seeps on the taro farm were contaminated by leaked gasoline in 1976 and 1977. A ditch and dike system leading to a separator/evaporator pond was installed to contain water from the contaminated springs and seeps. Much of the flow from the springs was cut off by this system.

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a. Preventing the spread of gasoline in the subsurface, through hydraulic influences.

b. Replacing the contaminated springs as a source of irrigation water for the taro farm.

With time, the quantity of gasoline and the potential for spreading of the gasoline has been reduced. However, small quantities of gasoline are expected to continue contaminating the springs and seeps for a long time.

With the installation of a well on the taro farm, to serve as the water source for the farm, pumping from the wells in the shopping center parking lot can be phased out. This would be done carefully to minimize the risk that gasoline in the subsurface could spread.

This action would result in phasing out of the temporarily permitted wells in the shopping center, which are not currently part of the 225 MGD permitted withdrawals from Pearl Harbor Ground Water Control Area.

The use of the proposed well water also would be an interception of water which would naturally come out from the springs, if the well were not pumped.

(3088A/284A:00443-027-11)
PERMIT
TO WITHDRAW AND USE GROUND WATER

Applicant: Lau Taro Farm  Application Date:  6/19/86
Address:  98-114 Kamehameha Highway, P.O. Box 215, Aiea, HI 96701
Ground Water Control Area: Pearl Harbor  Subarea: Koolau
Well(s) Name: Lau Taro Farm  State Well No.(s):  2356-70
Amount of Withdrawal: (Average Annual) 0.1 mgd  (Max. Day) 0.1 mgd
Beneficial Purpose of Withdrawal: Irrigation of taro farm
Area or Projects Served: Lau Taro Farm

The applicant is hereby granted a permit to withdraw and use ground water from the source identified above, in accordance with Chapter 177, HRS, Administrative Rule, Chapter 166 of Title 13; and the following:

General Conditions. (1) the water use authorized by this permit must be for the beneficial purpose described in this permit; (2) the use must not interfere substantially and materially with existing individual household uses, existing preserved uses, or existing permitted uses; (3) the use is subject to the shortage and emergency powers of the Board of Land and Natural Resources; (4) this permit may be suspended or revoked in accordance with Chapter 166 of Title 13; (5) the permit holder may be required to relinquish this permit at any time or specified time after issuance to the Board of Land and Natural Resources in accordance with Chapter 166 of Title 13; (6) an approved flowmeter(s) must be installed to measure withdrawals; and a record of the withdrawals must be kept and reported to the Department of Land and Natural Resources, Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809, on a monthly basis.

Additional Conditions.

The term of this permit shall be twenty years from the date of issuance, subject to review and adjustment every five years.

In the event that the original spring source decontaminates, the new well authorized will be shut down.

The issuance of this permit was approved by the Board of Land and Natural Resources at its meeting on August 22, 1986

Chairperson of the Board

Date of Issuance:
Water Use Permit Survey
(Please complete one survey form for each WUP)

WUP Number: ___________________ Well Number(s): _______________________

Contact Information (of the person who will be present at site visit):
Name: ________________________________________________________________
Phone (for phone interview): __________________ Fax: ______________________
Email: ________________________________________________________________
Best time to reach for phone interview: __________________________________

Property Information (of the water use/well location):
Address: ________________________________________________________________
City: __________________ Zip: __________________
Well Location TMK (list all if multiple wells present): ______________________
Water Use TMK (list all if used on multiple lots): ______________________

Water Use/Well Information:
Is the water source currently in use? Yes [ ] No [ ]
If no, please explain: ____________________________________________________

What are you currently using the water for? (example: "Use for 45 acres of diversified agriculture and 3 residences"): ________________________________________________________________

Is a flow meter installed and working properly? Yes [ ] No [ ]
If no, please explain: ____________________________________________________

Do you submit monthly water use reports to the State? Yes [ ] No [ ]
If no, please explain: ____________________________________________________

Field Investigations:
A representative from Brown and Caldwell will be visiting wells in your area over the next several months between the times of 9:00 am and 5:00 pm. Each site investigation will take approximately 1-2 hours. Please indicate up to three potential days of the week and availability times for an on-site inspection of the well location and verification of water use compliance. The permit holder must provide Brown and Caldwell with at least five (5) working days notice of the need to reschedule.

Option #1 Date (M-F): ___________ Time: 9:00 am [ ] 12:00 pm [ ] 3:00 pm [ ]
Option #2 Date (M-F): ___________ Time: 9:00 am [ ] 12:00 pm [ ] 3:00 pm [ ]
Option #3 Date (M-F): ___________ Time: 9:00 am [ ] 12:00 pm [ ] 3:00 pm [ ]

Once this survey is returned, a Brown and Caldwell representative will be contacting you to conduct a phone interview and finalize the exact date and time of your field investigation. Please fax/mail completed surveys by December 12th, 2007 and direct any questions related to this survey to Mr. Milo Smith of Brown and Caldwell at:
1099 Alakea Street, Suite #2400
Honolulu, HI 96813
Tel: (808) 203-2661
Fax: (808) 533-0226
mcsmith@brwncald.com

For Official Use Only
Received: ___________________ Information Updated: ___________________ Phone Interview Complete: ___________________
Notes/Comments: ____________________________________________________________
November 21, 2007

Royden Lau
Lau Taro Farm
98-114 Kamehameha Hwy.
Aiea, HI 96701

Subject: WUP 065

Water Use Permit Review

In accordance with 13-171-22(b) of the Hawaii Revised Statutes, the Commission on Water Resource Management is required to conduct a 20 year permit review of issued permits to determine permit compliance. As a permit holder, we are contacting you to conduct a review of your water use permit.

As part of the permit review, we must perform field investigations for verification purposes. We have contracted with Brown and Caldwell to conduct such field investigations. Please fill out the enclosed survey form, indicating the best date and time within the time period given, and a representative from Brown and Caldwell will contact you to make further field visit arrangements.

We thank you for your cooperation in promoting beneficial and reasonable use of our ground water while protecting our limited natural supply.

Sincerely,

[Signature]

KEN C. KAWAHARA, P.E.
Deputy Director

RI:ss
Mr. Dean Nakano  
Acting Deputy Director  
Commission on Water Resource Management  
P.O. Box 621  
Honolulu, HI 96809

Dear Mr. Nakano:

Lau Taro Farm Artesian Well (Well No. 2356-70)  
Waimalu Ground Water Management Area, Oahu

Reference is made to our letter of March 21, 2005 on stopping the leaking condition of the well and our July 6, 2005 email notifying you that the well was repaired on June 24, 2005.

Attached is the information on the as-built section of the well head that shows repair of the leak. Also included are photos of the surrounding area that was dewatered after the leak was stopped. It is now dry. With regard the use of the well, Sumida Watercress Farm is negotiating the use of the area occupied by the former Lau taro farm and will need to use Well No. 2356-70 for their purpose. As a result we are completing a Request to Transfer Water Use Permit and will submit it for approval.

We are pleased that the well has been repaired and will soon put the well to beneficial use.

Sincerely,

Manabu Tagomori, P.E., F.ASCE  
Water Resources Manager  
Land Assets Division – Endowment Group  
Kamehameha Schools

Enclosures
2.0" STEEL PIPE NIPPLE ----- 2.0" 90° ELBOW

2.0" STEEL PIPE NIPPLE

2.0" BRONZE GLOBE VALVE

2.0" STEEL PIPE NIPPLE

EXISTING 8.0" DUCTILE IRON CASING.
OD = 8.625"
WALL = .322"
Thanks for info on the Well Modification Permit and the Water Use Transfer form. Attached is the As-Built plan on the well head completed by Beylik Drilling.

Aloha,

Manabu Tagomori, P.E., F.ASCE
Water Resources Manager
Kamehameha Schools
567 South King Street
Honolulu, HI 96813
Phone: (808) 534-3866
Fax: (808) 523-6374
Email: matagomo@ksbe.edu

From: Lenore.Y.Nakama@hawaii.gov [mailto:Lenore.Y.Nakama@hawaii.gov]
Sent: Wednesday, July 06, 2005 8:59 AM
To: Manabu Tagomori
Cc: Dean.A.Nakano@hawaii.gov; Roy.Hardy@hawaii.gov; Kevin.L.Gooding@hawaii.gov
Subject: Re: Lau Taro Farm Well (Well No. 2356-70)

Hi Manabu,

Thanks for the update! Just to clarify, the repair consisted of a new cap as a short-term fix to stop the leaking and did not need a well modification permit.

Here’s a form that you can use when you are ready to transfer the water use permit. Please call if you have any questions about the form.

Thanks,
Lenore
2.0" STEEL PIPE NIPPLE

2.0" STEEL PIPE NIPPLE

2.0" BRONZE GLOBE VALVE

8.0" BLIND FLANGE

EXISTING 8.0" DUCTILE IRON CASING.
OD = 8.625"
WALL = .322"

8.0", 150LB, ANSI FLANGE

FIELD WELD
Hi Manabu,

Thanks for the update! Just to clarify, the repair consisted of a new cap as a short-term fix to stop the leaking and did not need a well modification permit.

Here's a form that you can use when you are ready to transfer the water use permit. Please call if you have any questions about the form.

[Embedded form]

Thanks,
Lenore
"Manabu Tagomori" <matagomo@ksbe.edu>

This is to inform you that the subject well has been repaired as of June 24, 2005. The well was inspected by Kamehameha Schools staff on July 5, 2005 and has approved the project by Beylik Drilling & Pump Service, Inc. We are currently awaiting as-built drawings of the well and will submit a well modification permit upon receipt of the information. In regards to the Water Use Permit 65, now that the well has been repaired, we will begin discussions with Sumida Farms for their use of the well for expanding their farming operations on the former Lau Farm area. We will keep you informed of this matter as soon as an agreement has been reached. Thank you for providing guidance on this matter.

Aloha,

Manabu Tagomori, P.E., F.ASCE
Water Resources Manager
Kamehameha Schools
567 South King Street
Honolulu, HI 96813
Phone: (808) 534-3866
Fax: (808) 523-6374
Email: matagomo@ksbe.edu
March 21, 2005

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

Dear Mr. Nakano:

Lau Taro Farm Artesian Well (Well No. 2356-70)  
Waimalu Ground Water Management Area, Oahu

Thank you for your letter informing us that the subject well is unused and leaking from the top of the casing.

We are knowledgeable about the condition of the well and we are pleased to share our current actions to correct the situation.

1. We have contacted a well driller to inspect the well casing and to report on the necessary plan of action to stop the leaking condition as an emergency matter.
2. In regards to the water use, Sumida Watercress Farms lying adjacent to the well has expressed interest and desire to use the well to provide additional water for their operations. Negotiations are underway as part of restructuring their new lease for watercress operations.

As soon as new information on stopping the leaking conditions are obtained, we will file for a well modification permit as required by Commission rules. We will contact your staff for guidance on any proposed action.

Sincerely,

Manabu Tagomori, P.E.  
Water Resources Manager  
Land Assets Division – Endowment Group  
Kamehameha Schools

567 South King Street • Honolulu, Hawai‘i 96813-3036 • Phone: 808-523-6200  
Founded and Endowed by the Legacy of Princess Bernice Pauahi Bishop
good news, manabu said that they also received a complaint of the leaky well. KS is planning on fixing the well. Sumida Farm wants to expand, so they will be using the well. Reminded him about transferring the water use permit and getting a well modification permit.
March 1, 2005

Ref: 2356-70.let

Mr. Manabu Tagomori
Kamehameha Schools
567 South King St.
Honolulu, HI 96813-3036

Dear Mr. Tagomori:

Leaking Artesian Well
Lau Taro Farm Well (Well No. 2356-70)
Waimalu Ground Water Management Area, Oahu

We have been informed that Well No. 2356-70 on Kamehameha Schools (KS) property (TMK 9-8-016:048) is no longer being used and is leaking from the top of the casing. It was used to supply the Lau Taro farm, which we understand has ceased operations. Attached is a recent picture of the leaking well. It has an 8" casing. The estimated discharge from the well is about 50,000 - 60,000 gpd, which appears to be flowing into a fallow taro field.

Water is being wasted from this improperly secured artesian well that is located in a designated water management area. KS must either fix the leak or seal the well. In addition, are there any plans for future irrigation use on this property? If not, we will recommend that the Commission on Water Resource Management revoke Water Use Permit No. 65. Please respond to this letter within the next thirty (30) days.

If you have any questions, please contact Lenore Nakama at 587-0218.

Sincerely,

W. Roy Fung

DEAN A. NAKANO
Acting Deputy Director

LYN:ss
Attachment
Lau Well (2356-70) looking makai.
<table>
<thead>
<tr>
<th><strong>Well Name/Location</strong></th>
<th>LAU Taro Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Well Number</strong></td>
<td>2356-70</td>
</tr>
<tr>
<td><strong>Owner/User</strong></td>
<td>LAU, DWIGHTY W., ELLEN S., FRANCISKY</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th><strong>Withdrawal/Supply Permit</strong></th>
<th><strong>Drilling/Modification Permit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Application Received</td>
<td>19 June 1986</td>
</tr>
<tr>
<td>Receipt Acknowledged</td>
<td>30 Jun 86</td>
</tr>
<tr>
<td>Filing Fee Rcvd/Deposited?</td>
<td>24 June 1986</td>
</tr>
<tr>
<td>Date Approved</td>
<td>22 Aug 1986</td>
</tr>
<tr>
<td>Date of Reply/Issue</td>
<td>11 Sep 86</td>
</tr>
<tr>
<td><strong>Suspense Date: 180 days</strong></td>
<td>16 Dec 1986</td>
</tr>
</tbody>
</table>

**Remarks:** Board Submittal, Public Notice
Temporary wells to be installed upon success of well on farm - See "background" in Board submittal and BWSP permits.
WELL DRILLING PERMIT
for
Lau Taro Farm Well
State Well No. 2356-70
Aiea, Oahu

TO: Lau Taro Farm
98-114 Kamehameha Highway
Aiea, Hawaii 96701

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to drill an irrigation well (State Well No. 2356-70) is approved subject to the following conditions:

1. A Driller's Well Completion Report (enclosed) shall be submitted to the Division of Water and Land Development within 60 days after completion of the well.

2. Pumping test data shall be submitted to the Division of Water and Land Development within 60 days after testing of the well.

3. Monthly reports of pumpage measured with an approved flowmeter shall be submitted after the well is put into production.

4. Upon completion of the well, submit an "as-built" drawing of the well and a map showing the exact location of the well.

5. The applicant comply with all applicable laws, rules, and ordinances.

SUSUMU ONO
Chairperson of the Board

Date of Issuance

Enc. (Driller's Report Form)
cc: USGS
    Dept. of Health,
    Drinking Water Program
    Honolulu BWS
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES

APPLICATION FOR (check one)
☐ WELL DRILLING PERMIT  ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area?  xx Yes  No
If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island Oahu  Tax Map Key 9-8-16-49  Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER  Francis K. Y. Lau, Ellen S. Lau,  Telephone 488-4240  Address 98-114 Kamehameha Highway, Aiea, Hawaii 96701  Zip Code 96701

3. PROPOSED DRILLING COMPANY: Roscoe Moss Company

4. PROPOSED WORK:  xx Drill new well  ☐ Deepen  ☐ Redrill  ☐ Alter  ☐ Seal  ☐ Abandon  ☐ Install new pump  ☐ Replace pump  ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

Drilling of 10-inch hole to 100 foot depth, installation of well casing, well development, and well testing.

5. PROPOSED SECTION OF WELL

6. PROPOSED USE:  xx Municipal  ☐ Military  ☐ Agriculture  ☐ Domestic  ☐ Disposal  ☐ Industrial  ☐ Other (specify)  ☐ Hydrocarbon Control

7. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.

☐ Daily 100,800 gallons  ☐ Monthly gallons  ☐ Yearly gallons

8. PROPOSED PUMP OR FLOW CAPACITY:  70 gallons per minute

Signature: Francis K. Y. Lau  Date: May 19, 1986

Signature: Ellen S. Lau

For Official Use:
State Well No.  
DLNR Permit No.  
DLNR Application No.
TO: Mr. Gerald M. Gamble
J. C. Penney Company
Pearl Ridge Shopping Center
Aiea, Hawaii 96701

Your modified application of January 11, 1978 to drill a well has been approved in accordance with Chapter III Protection, Development and Conservation of Water Resources in the City and County of Honolulu.

You are hereby granted a permit to drill a well at the Pearl Ridge Shopping Center, TMK: 9-8-13: 10 in accordance with the drawings submitted with the modified application.

This permit is granted subject to the Rules and Regulations of the Board of Water Supply and the following conditions:

1. Chester Lao of the Board of Water Supply, telephone 548-5276, shall be notified before any work covered by this permit commences.

2. This permit shall be valid upon receipt by the Board of Water Supply of a permittee bond in the amount of $1,000.00 in accordance with Chapter III, Section 3-305 of the Rules and Regulations.

3. The total output from this well combined with the two wells presently in operation shall not exceed 100 gpm. A meter or meters shall be installed to measure rate of flow and total flow of water.

4. Upon completion of the project, a record of the geologic formations encountered in drilling and a record of when and how much water was pumped shall be submitted to the Board of Water Supply.

Pure Water... man's greatest need... use it wisely
5. When the well is no longer used for the intended purpose, it shall be sealed with neat cement from the bottom of the well to the ground surface.

EDWARD Y. HIGATA
Manager and Chief Engineer
Board of Water Supply

Date of Permit
APPLICATION FOR (check one)

☒ WELL DRILLING PERMIT ☐ WELL MODIFICATION PERMIT

Instructions: Send completed application and attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Reference: Regulation 9, Dept. of Land & Natural Resources.

Is the well located in a Designated Ground Water Control Area? ☒ Yes ☐ No

If "yes", application must be accompanied by a Water Use and/or Water Supply Permit and a non-refundable filing fee of $100 payable to the Department of Land & Natural Resources. However, if application is for minor modification of well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island_Oahu___ Tax Map Key 9-8-16-48. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER

Francis K. Y. Lau, Ellen S. Lau,
Address 98-114 Kamehameha Highway, Aiea, Hawaii 96701
Telephone 488-4240

3. PROPOSED DRILLING COMPANY: Roscoe Moss Company

4. PROPOSED WORK: ☒ Drill new well ☐ Deepen ☐ Redrill ☐ Alter ☐ Seal

☐ Abandon ☐ Install new pump ☐ Replace pump ☐ Modify pump

Fill in the diagram and briefly describe the proposed work (use back of form if necessary):

Drilling of 10-inch hole to 100 foot depth, installation of well casing, well development, and well testing.

5. PROPOSED USE:

☐ Municipal ☐ Military ☒ Agriculture ☐ Industrial

☐ Domestic ☐ Disposal ☒ Other (specify) Hydrocarbon Control

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.

☒ Daily 100,800 gallons ☐ Monthly __________ gallons ☐ Yearly __________ gallons

7. PROPOSED PUMP OR FLOW CAPACITY: __________ gallons per minute

Signature:
Water User

Signature:
Landowner of Well Site

Date:

For Official Use:
State Well No.
DLNR Permit No.
DLNR Application No.