MINUTES
FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: November 17, 1993
TIME: 1:30 p.m.
PLACE: Mitchell Pauole Center
        Conference Room
        Kaunakakai, Molokai, Hawaii

ROLL CALL Chairperson Ahue called the meeting of the Commission on Water
      Resource Management to order at 1:35 p.m.

The following were in attendance:

MEMBERS: Mr. Keith Ahue
          Mr. Richard Cox
          Mr. Guy Fujimura
          Mr. J. Douglas Ing
          Mr. Robert Nakata
          Dr. John Lewin

STAFF: Ms. Rae Loui
        Mr. Edwin Sakoda
        Mr. Roy Hardy
        Ms. Lenore Nakama
        Ms. Sharon Kokubun

OTHERS:

Weymouth Kamakana DeGray Vanderbilt
Pearl Petro Rachael Kamakana
John Urauchi Greg Helm
Eugene Gerguson Peter Eichhorn
Sarah Sykes Myrle Florea
Michael Ribao Noelani Joy
Mark/Becky Yuen Colette Machado
Wilma Grambusch Michael Foulkes
Dave Martin Barry Ching

All written testimonies submitted at the meeting are filed in the Commission office and
are available for review by interested parties. Some items were taken out of sequence
to accommodate requests by applicants or interested parties.

ITEM 1 MINUTES OF THE OCTOBER 13 AND 27, 1993 MEETINGS

Unanimously accepted with the correction of the dates on the header pages
for the minutes of October 13, 1993 (Cox/Nakata).

ITEM 2 AMENDMENT TO CHAPTER 13-171 HAWAII ADMINISTRATIVE
      RULES (HAR), ADDING A NEW SECTION 13-171-63, DEPARTMENT
      OF HAWAIIAN HOME LANDS RESERVATION FOR KUALAPUU
      MOLOKAI

Ms. Loui explained that the proposed rule was amended to address
concerns raised at the public hearing held on October 13, 1993.
Therefore, the rule reads more directly that the Commission hereby
reserves .905 mgd from the Kualapuu Aquifer for use on Hawaiian Home
Lands on Molokai.
Mr. Dave Martin of the Native Hawaiian Advisory Council submitted concerns (see Commission files) but stated they would not contest the issue.

Unanimously approved (Cox/Nakata).

**ITEM 6**

**APPLICATIONS FOR WATER USE AND WELL CONSTRUCTION/PUMP INSTALLATION PERMITS, UALAPUE GROUND WATER MANAGEMENT AREA, MOLOKAI**

1. John N. Urauchi, Well No. 0352-12
   Unanimously approved (Cox/Nakata).

2. Ellen M. Osborne, Well No. 0448-01
   Mr. Nakata asked if the concerns of Historic Preservation were addressed. The investigation was satisfactory and Historic Preservation had no objections to Mrs. Osborne's water use permit request.
   Unanimously approved (Cox/Nakata).

3) Pearl Friel Petro, Well No. 0549-01
   Unanimously approved (Cox/Nakata).

**ITEM 3**

**DEFERRAL OF WATER USE PERMIT APPLICATIONS, MOLOKAI GROUND WATER MANAGEMENT AREAS**

1. Wilma Kamakana Grambusch, Well Nos. 0352-17, 0456-01, & 18 to 20
   Unanimously approved for deferral (Fujimura/Cox).

2. Kainalu Ranch, Well No. 0546-02
   Unanimously approved for deferral (Fujimura/Cox).

3. Zelie Duvauchelle, Well No. 0448-08
   Ms. Collete Machado was concerned because they relied on the water that drains from the Duvauchelle property. Mr. Hardy explained that further field investigation is necessary before any decision can be made on the application. Ms. Machado said she would discuss the matter with Mr. Hardy after the meeting.
   Unanimously approved for deferral (Fujimura/Cox).

**ITEM 4**

**Hale Mahaulu Application for a Water Use Permit, Home Pumehana Well (Well No. 0501-06), Kamiloa Ground Water Management Area, Molokai**

Unanimously approved (Nakata/Cox).
ITEM 5  WATER USE APPLICATIONS, MANAWAINUI GROUND WATER MANAGEMENT AREA, MOLOKAI

Mr. Cox asked for comments on testimony submitted by Mr. Martin on their concerns of how the numbers were developed and if the short growing season was taken into consideration. Mr. Hardy explained that by using a 12-month moving average, that is taken into consideration.

Mrs. Wilma Grambusch stated her objections to the permit applications because withdrawals of brackish or potable water would have an affect on the Kalamaula Homestead lands. She felt there was not enough monitoring information and that the eco-balance on the south shore water would be threatened.

Mr. Mike Ribao of Maui Electric commented on the recommendations of staff.

Mr. Cox asked if the requests were for existing uses only and if staff did consider the use of brackish water. Mr. Hardy replied that except for Application 5 which was for a future use, all requests were for existing uses. In regards to the brackish water, if it is from the aquifer system, it is deducted from the sustainable yield.

1. Hawaiian Research Ltd., Well No. 0603-01
   Unanimously approved the water use permit as recommended by staff (Nakata/Cox).

   Unanimously approved the water use permit as recommended by staff (Nakata/Cox).

   Unanimously approved the water use permit as recommended by staff (Nakata/Cox).

4. Maui Electric Company, Ltd., Molokai Division, Well Nos. 0603-06 and 0604-04 & 05
   Unanimously approved to deny without prejudice the water use permit as recommended by staff (Nakata/Cox).

5. Molokai Ranch Ltd., Well No. 0706-02
   Unanimously approved the water use permit as recommended by staff (Nakata/Cox).

ITEM 7  HONOLULU BOARD OF WATER SUPPLY APPLICATION FOR PUMP INSTALLATION PERMITS, MILLANI WELLS 9 & 10 (WELL NOS. 2858-01 & 02), PEARL HARBOR, OAHU

Unanimously approved (Cox/Nakata).

ITEM 8  HONOLULU BOARD OF WATER SUPPLY APPLICATION FOR WELL CONSTRUCTION/PUMP INSTALLATION PERMITS, WAIPAHU III WELLS (WELL NOS. 2459-26 TO 30), PEARL HARBOR, OAHU

Unanimously approved (Cox/Nakata).
ITEM 9
HONOLULU BOARD OF WATER SUPPLY APPLICATION FOR WELL CONSTRUCTION/PUMP INSTALLATION PERMITS, WAIAWA 575-FT, WELLS 1 & 2 (WELL NOS. 2658-03 & 2659-04), PEARL HARBOR, OAHU

Unanimously approved (Cox/Nakata).

ITEM 10
HONOLULU BOARD OF WATER SUPPLY APPLICATION FOR WELL CONSTRUCTION/PUMP INSTALLATION PERMITS, WAIAWA 765-FT, WELLS 1 & 2 (WELL NOS. 2658-04 & 05), PEARL HARBOR, OAHU

Unanimously approved (Cox/Nakata).

The Board of Water Supply applications (Items 7 to 10) were heard, discussed, and acted on together.

Mr. Ing asked how staff would know if the Board was drawing more water than what is being requested. Mr. Sakoda replied that monthly pumping records are submitted and reviewed.

ITEM 11
OTHER BUSINESS

24-Inch pipeline being installed by Kukui-Molokai

Ms. Sarah Sykes expressed her concern that the construction and grading work done by the Molokai Ranch is too close to and may degrade the drinking water wells and that further evaluation such as an EIS is needed.

Chairperson Ahue stated that the issue of an environmental assessment and EIS is currently being reviewed by DLNR staff but is a Board of Land and Natural Resources issue, not a Water Commission issue.

Mr. DeGray Vanderbilt also testified that an EIS should be done.

ADJOURNMENT
The meeting was adjourned at 2:37 p.m.

Respectfully submitted,

SHARON S. KOKUBUN, Secretary

APPROVED AS SUBMITTED:

SHARON S. KOKUBUN, Secretary
Chairperson and Members  
Commission on Water Resource Management  
State of Hawaii  
Honolulu, Hawaii  

Gentlemen:

Hale Mahaolu  
Application for a Water Use Permit  
Home Pumehana Well (Well No. 0501-06)  
Kamiloloa Ground Water Management Area, Molokai

Aplicant:  
Hale Mahaolu  
P.O. Box 100  
Kaunakakai, HI 96748

Landowner:  
Hale Mahaolu, Inc.  
200 Hipa Ave.  
Kahului, HI 96732

Background

The applicant submitted a completed water use permit application to the Commission on September 29, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

This existing source uses brackish water from the Kamiloloa Aquifer System for irrigation of five (5) acres of landscape. The applicant is requesting an allocation of 20,000 gallons per day (gpd) to continue this existing use. There is sufficient water available to accommodate this request. To date, only 0.206 million gallons per day (mgd) of the aquifer’s estimated sustainable yield of 3 mgd has been allocated (about 7%; see Exhibit 1). Although there are no other pending applications for water use permits for this system at this time, the Final Report from the Molokai Working Group projects that a total of 0.26 mgd from this system will be needed for agricultural irrigation use through the year 2010 (Exhibit 2). However, the total draft supply from this system needed to satisfy current permitted uses, projected demands, and this pending request will fall well within the aquifer’s sustainable yield estimate.

The only real issue is the quantity of water to be allocated. Based on existing monthly water use data provided by the applicant for an 18-month period from April 1992 through September 1993, the current actual 12-month moving average withdrawal from the source is about 5,000 gpd (see Exhibit 3). Although state and county consumption guidelines indicate a range in irrigation demand from 8,500 gpd to as much as 25,000 gpd depending on vegetative cover type, staff feels that the best estimate of actual water needs is provided by the historic record of actual withdrawals. The upward trend in computed 12-month moving average withdrawals shown in Exhibit 3 is most likely the result of drier than normal rainfall conditions experienced during the winter and spring of 1993.

This source is located within a half mile of the shoreline, and there are no other pumped wells downgradient (see Exhibit 4). Authorization to continue this reasonable and beneficial existing use of water should not result in unacceptable adverse impacts to other local wells, streams, and the Kamiloloa Aquifer System. No specific objections to
The Molokai Working Group has made three recommendations regarding the Southeast Sector, which encompasses the Kamiloloa Aquifer System. They are:

1. Limit groundwater withdrawal to 50% of its developable yield subject to verification of existing users and water use permits.

2. Any withdrawals from the Sector should not diminish water supplies and supply availability for traditional uses, including taro patches and fishponds.

3. Development of additional water from the Southeast Sector should be reserved first for residences of this Sector who are not yet served.

Staff finds that there is no reason to believe that this use will violate these recommendations made by the Molokai Working Group.

A final issue is that the applicant needs to submit a well completion report for his source. The well construction permit for this drilled source that was issued on September 19, 1985 was conditioned on submission of a Driller's Well Completion Report within 60 days after completion of the well and an "as-built" drawing of the completed well. As yet, these have not been submitted although the well has been completed and in use for a number of years.

RECOMMENDATION

That the Commission approve the issuance of an interim water use permit to Hale Mahaolu to use 5,000 gallons per day of brackish water from the Home Pumehana Well (Well No. 0501-06) for landscape irrigation, subject to the standard water use permit conditions listed in Attachment B and the following special conditions:

a. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

b. A Driller's Well Completion Report and an "as-built" drawing of the well shall be submitted to the Commission within 60 days. Failure to comply may result in fines of up to $1,000 per day as provided by HAR 13-167-10.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Attach.

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
WATER USE PERMIT DETAILED INFORMATION

Source Information

AQUIFER:
Kamiloloa System, Southeast Sector, Molokai
- Sustainable Yield: 3 mgd
- Existing Water Use Permits: 0.206 mgd
- Available Allocation: 2.794 mgd
- Total of other pending allocations: 0 mgd

WELL:
Home Pumehana Well (well No. 0501-06)
- Location: Hale Mahaolu, Molokai, TMK:5-3-2:168
- Year Drilled: 1985*
- Casing Diameter: 8 in.
- Elevations (msl = 0 ft.)
  - Water Level: NA ft.
  - Ground: 15 ft.
  - Bottom of Solid Casing: 2 ft.
  - Bottom of Perforated: -4 ft.
  - Bottom of Open Hole: NA ft.
- Total Depth: 21 ft.
- Grouted Annulus Depth: 8 ft.

* Source information, including component elevations, are based on well registration information provided by applicant.

Use Information

Quantity Requested: 20,000 gallons per day.
Existing Type of Water Use: Irrigation of 5 acres of landscape
Place of Water Use: Hale Mahaolu, Kolapa Place at TMK: 5-3-2:168

Reported Water Usage:
- 0.005 mgd
Nearby Similar Water Usage:
- NA gpd
Kamiloloa Aquifer System
- 0.18 mgd (6% of SY)

ATTACHMENT A
Nearby Surrounding Wells and Other Registered Ground Water Use

There are eleven (11) other wells within a mile of the well (see Exhibit 4). Four (4) of these wells are currently in use. Information from the registration program indicates there are possibly fifty (50) existing wells in the Kamiloloa Aquifer System. Several of these wells have been initially field checked but many of the declarants, including the larger users, have not been completely field verified. Several are not in use or are rights claims. No estimate of existing groundwater withdrawals from the Kamiloloa Aquifer System as of 1990 is provided in the Maui Water Use and Development Plan, Island of Molokai. However, the 1993 Final Report from the Molokai Working Group estimates existing ground water withdrawals from this system is 0.26 mgd based on available data.

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on October 13, 1993 and October 20, 1993 and copies of the notice were sent to the Mayor’s office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources, Historic Preservation, and other divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by November 3, 1993.

Objections/Comments

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by November 3, 1993.

To the best of staff’s knowledge there are no objectors who have property interest within the Kamiloloa Aquifer System or who will be directly and immediately affected by the proposed water use. All objections and/or comments to the application are summarized as follows:

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<td>NARS</td>
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<tr>
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<tr>
<td>OHA</td>
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</table>
Chairperson and Members
Commission on Water Resource Management

November 17, 1993

Maui DWS

Mayor's Office, Maui County

No comments or objections.

The County fully supports this facility and its use of water for the purposes identified is fully consistent with the County land use plans and policies. However, the requested quantity of water is excessive for the proposed use.

Briefs in Support

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and, presumably, copies are served to the applicant. No briefs in support were filed with the Commission.

Field Investigation

The water source and existing use was investigated on October 19, 1993. The investigation verified the existence of the registered source and declared water use that is described in this application for water use permit.

ATTACHMENT A
Chairperson and Members
Commission on Water Resource Management
November 17, 1993

STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and 174C-101(a), HRS.

4. The ground water use approved must not interfere with surface or ground water rights or reservations.

5. The ground water use approved must not interfere with interim or permanent instream flow standards or policies as determined by the Commission. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its November 17, 1993 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

ATTACHMENT B
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a yearly basis in accordance the Commission's September 16, 1992 action on reporting requirements;

12. The water use permit shall be subject to the Commission’s periodic review of the applicable aquifer’s sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Manawainui Aquifer System, or relevant modified aquifer, is reduced;

13. The water use permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HAR §13-171-25 and the requirements of Chapter 174C, the Commission has the authority to allow the transfer of the permit and the use rights granted by the permit in a manner consistent with HAR §13-171-25. Any such transfer shall only occur with the Commission’s prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall comply with all applicable laws, rules, ordinances, and other agencies’ permits and conditions pertaining to water use or the water resource.

16. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Manawainui Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, pursuant to HAR §13-171-21. The final determination of the water use quantity shall be made within five years of the filing of the application to continue the existing use.

18. The water use permit shall be issued only after AG review.

19. The water use permit shall be subject to the CWRM’s establishment of instream standards and policies related to stream protection and management, as well as legislative mandates to protect stream resources.

ATTACHMENT B
### Water Use Permit Application Notice Status Report 10/28/93

**ISLAND OF MOLOKAI**

**Aquifer System: Kamioloa**

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4 Applications Totaling 0.226

MOLOKAI HAS 4 Applications Totaling 0.226
Molokai Working Group

BREAKDOWN OF 2010 POTABLE WATER USE PROJECTIONS IN MGD

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1 Water development source unidentified.
HALE MAHAOLU PUMPAGE
HOME PUMEHANA WELL (Well No. 0501-06)

Pumpage (mgd)

Month (Latest Data 9/93)

MONTHLY VALUES  12-MAV  REQUESTED AMOUNT
MEMORANDUM

TO: 
Mrs. Hoaliku L. Drake, Director  
Department of Hawaiian Home Lands  
Dr. John C. Lewin, M.D., Director  
Department of Health  
Mr. Clayton H. W. Hee, Chairperson  
Office of Hawaiian Affairs  
Mr. Goro Hokama, Chair  
Maui County Council  
Mr. Byron S. Walters, Chair  
Maui Board of Water Supply

FROM: 
Keith W. Ahue, Chairperson  
Commission on Water Resource Management

SUBJECT: Water Use Permit Application  
Kamiloloa Ground Water Management Area, Molokai

Transmitted for your review and comment is a copy of a water use permit application for Hale Mahaolu Home Pumehana, Well No. 0501-06. Public notice of this application will be published in the Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993.

We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hohaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Goro Hokama
Mr. Byron S. Walters

Page 2  RE: Hale Mahaolu Home Pumehana, Well No. 0501-06

Response: Contact person:  ELLEN KRAFTSOW  Phone:  

☐ We have no comments
☐ We have no objections
☐ Comments attached
☐ Additional information requested
☐ Extended review period requested

Signed:  DAVID R. CRADDICK, DIRECTOR
DEPARTMENT OF WATER SUPPLY, COUNTY OF MAUI

Date: 10/24/93
Mr. Oliver Kikugawa  
Hale Mahaolu  
P.O. Box 100  
Kaunakakai, HI 96748

Dear Mr. Kikugawa:

Commission Submittal for your Water Use Permit  
Kamiloloa Ground Water Management Area, Molokai

The Commission on Water Resource Management will be acting on your water use permit application for your Home Pumehana Well (Well No. 0501-06) at its November 17, 1993 meeting at 1:30 p.m. at the Mitchell Pauole Center.

A copy of the submittal for action on your water use application is enclosed for your information and review. You may wish to attend the meeting in case the Commissioners have questions regarding your application. Otherwise, we will notify you of the Commission's decision soon thereafter.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

RAE M. LOUI  
Deputy Director

LN:fc

Attach.
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
    Water Use Permit Application
    Kamiloloa Ground Water Management Area, Molokai

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We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: Steven Tagama
           Phone: 7-0385
           The subject well site is not located within the Conservation District.

           ( ) We have no comments
           ( ) We have no objections
           ( ) Comments attached
           ( ) Additional information requested
           ( ) Extended review period requested

Signed: ________________________  Date: 11/3/93
MEMORANDUM

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
Water Use Permit Application
Kamiloloa Ground Water Management Area, Molokai

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We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: Gordon Akita Phone: 70227

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: MANABU TAGOMORI Date: 10 20

Phone: 70227
October 28, 1993

MEMORANDUM

TO: Rae M. Loui, Deputy Director
Commission on Water Resource Management

FROM: Don Hibbard, Administrator

SUBJECT: Historic Preservation Review of Water Use Permit Application for Hale Mahaolu Home Pumehana for Well No. 0501-06, Kaunakakai, Molokai

TMK: 5-3-02: 168

This existing well is located in a developed property. It is highly unlikely that historic sites still exist. Therefore, we have determined that this application will have "no effect" on historic sites.

Please contact Annie Griffin at 587-0013 if you have any questions.

AG:jen
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Application
          Kamiloloa Ground Water Management Area, Molokai

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We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: Brian Miske Phone: 243-7235

☐ We have no comments
☐ We have no objections
☐ Comments attached
☐ Additional information requested
☐ Extended review period requested

Signed: Date:
Mr. Keith W. Ahue, Chair
Commission on Water Resource Management
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Ahue:

SUBJECT: WATER PERMIT APPLICATION

This letter responds to your request for comments on the water permit application transmitted to me by your letter dated October 8, 1993.

I received your request on October 12, 1993. The Council’s procedures did not allow enough time to refer the matter to the Council’s Human Services, Housing, Water and Agricultural Committee. Therefore, I transmitted a copy of the application to the Committee Chair and to the Council member from Molokai. I have received the attached comments.

If you have any questions, please contact me.

Yours truly,

GORO HOKAMA
Council Chair

GH:275:ml4
Attachments
MEMO TO: Goro Hokama, Chair

FROM: Councilmember Patrick S. Kawano

SUBJECT: Water Use Permit Application

Thank you for giving me the opportunity to view the Water Use Permit Application for the Island of Molokai. I have reviewed it with Wren Wescoatt who is a member of the Molokai Working Group which is a Commission on Water Resource Management, Department of Land and Natural Resources, State of Hawaii.

Water Use Application 0501-06 for Hale Mahaolu Home Pumehana asks for excessive quantity of water for their proposed water use. Applicant has been advised and may reduce the total amount reported.

Thank you for allowing me the time to review the applications. If any questions, feel free to contact me.

cht
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
Department of Hawaiian Home Lands

Dr. John C. Lewin, M.D., Director
Department of Health

Mr. Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Mr. Goro Hokama, Chair
Maui County Council

Mr. Byron S. Walters, Chair
Maui Board of Water Supply

FROM: Keith W. Ahue, Chairperson
Commission on Water Resource Management

SUBJECT: Water Use Permit Application
Kamiloloa Ground Water Management Area, Molokai

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If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Response: Contact person: __________________________ Phone: ___________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ______________________________________ Date: _____________
Mr. Keith W. Ahue, Chairperson  
State of Hawaii  
Department of Land and Natural Resources  
Commission on Water Resource Management  
P. O. Box 621  
Honolulu, Hawaii 96809  

Dear Mr. Ahue:  

RE: Notices of an Application for a Water Use Permit  
Kamiloloa Ground Water Management Area, Molokai  

We hope that the Commission on Water Resource Management will act favorably on the request for a water use permit by Hale Mahaolu Home Pumehana (Well No. 0501-06).  

The County fully supports this facility and its use of water for the purposes identified is fully consistent with the County land use plans and policies.  

Sincerely,  

LINDA CROCKETT LINGLE  
Mayor, County of Maui

NP:jso  
cc: Brian Miske, Director of Planning  
c:\letter\797
The Honorable Keith W. Ahue  
Chairperson  
Commission on Water Resource Management  
Department of Land and Natural Resources  
P. O. Box 621  
Honolulu, Hawaii 96809

Dear Mr. Ahue:

Withdrawal of Objections

The Department of Hawaiian Home Lands has been in a position to raise objections to various applications for water use permits, particularly in Windward O'ahu, on the basis that water reservations were yet required to meet statutory obligations to Hawaiian home lands.

Please be advised that as the proposed water reservations in O'ahu and Moloka'i water management areas are finalized, our objections for this reason are thereby withdrawn.

Warmest aloha,

Hoaliku L. Drake, Chairman  
Hawaiian Homes Commission

HLD: BH: ci/1608L.77
MEMORANDUM

TO:        Aquatic Resources  
           Forestry and Wildlife  
           Historic Preservation  
           Land Management  
           Natural Area Reserve System  
           Office of Conservation and Environmental Affairs  
           State Parks  
           Water and Land Development  
           Other Interested Parties

FROM:  Rae M. Loui, Deputy Director

SUBJECT: Request for Comments  
           Water Use Permit Application  
           Kamiloloa Ground Water Management Area, Molokai

Transmitted for your review and comment is a copy of a water use permit application for Hale Mahaolu Home Pumehana, Well No. 0501-06. Public notice of this application will be published in the Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993.

We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ELLEN KRAFTSOW   Phone:  

We have no comments
We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: DAVID R. CRADDICK, DIRECTOR   DEPT. OF WATER SUPPLY, COM
October 18, 1993

The Honorable Keith W. Ahue  
State of Hawaii  
Department of Land and Natural Resources  
Commission of Water Resource Management  
P.O. Box 621  
Honolulu, Hawaii 96809  
Attn: Ms. Rae Loui, Deputy

Dear Mr. Ahue:

We have received the following water permit application. Thank you for the opportunity to review this application:

<table>
<thead>
<tr>
<th>Applicant Name</th>
<th>Water Mgt. Area</th>
<th>Amount Requested (gpd)</th>
<th>Tax Map</th>
<th>Well Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hale Mahaolu</td>
<td>Molokai</td>
<td>20,000</td>
<td>5-3-02:168</td>
<td>0501-06</td>
</tr>
</tbody>
</table>

We have no specific concerns with the above water permit application.

Sincerely yours,

Clayton H.W. Hee  
Chairperson

LM:j1
closure
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
    Department of Hawaiian Home Lands

        Dr. John C. Lewin, M.D., Director
        Department of Health

✓  Mr. Clayton H. W. Hee, Chairperson
    Office of Hawaiian Affairs

        Mr. Goro Hokama, Chair
        Maui County Council

        Mr. Byron S. Walters, Chair
        Maui Board of Water Supply

FROM: Keith W. Ahue, Chairperson
      Commission on Water Resource Management

SUBJECT: Water Use Permit Application
        Kamiloloa Ground Water Management Area, Molokai

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If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Goro Hokama
Mr. Byron S. Walters

Response: Contact person: Luis A. Munoz Phone: 512-3860

☒ We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: Luis A. Munoz Date: 10/18/93

OCT - 8 1993
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
          Water Use Permit Application
          Kamiloloa Ground Water Management Area, Molokai

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If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: Philip Quave  Phone: 243-5852

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: King Date: 10/18/93
MEMORANDUM

TO: Aquatic Resources
   Forestry and Wildlife
   Historic Preservation
   Land Management
   Natural Area Reserve System
   Office of Conservation and Environmental Affairs
   State Parks
   Water and Land Development
   Other Interested Parties

FROM: Rae M. Loui, Deputy Director

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LN:ko
Attachment(s)

Response: Contact person: __________________________ Phone: ______________

( ) We have no comments
( X ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: __________________________ Date: ___________

930722 14 32:23
RECEIVED
MEMORANDUM

TO: Aquatic Resources
   Forestry and Wildlife
   Historic Preservation
   Land Management
   Natural Area Reserve System
   Office of Conservation and Environmental Affairs
   State Parks
   Water and Land Development
   Other Interested Parties

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Kamiloloa Ground Water Management Area, Molokai

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LN:ko
Attachment(s)

Response: Contact person: 
Phone: 587-0218

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: 
Date: 10/11/93
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
Department of Hawaiian Home Lands

Dr. John C. Lewin, M.D., Director
Department of Health

Mr. Clayton H. W. Hee, Chairperson
Office of Hawaiian Affairs

Mr. Goro Hokama, Chair
Maui County Council

Mr. Byron S. Walters, Chair
Maui Board of Water Supply

FROM: Keith W. Ahue, Chairperson
Commission on Water Resource Management

SUBJECT: Water Use Permit Application
Kamiloloa Ground Water Management Area, Molokai

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Attachment(s)
Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Goro Hokama
Mr. Byron S. Walters

Page 2

Response: Contact person: Ben Henderson, Administrator Phone: 586-3837
Planning Office

( ) We have no comments
(XX) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: Ben Henderson Date: 10/14/93
MEMORANDUM

TO: Aquatic Resources
Forestry and Wildlife
Historic Preservation
Land Management
Natural Area Reserve System
Office of Conservation and Environmental Affairs
State Parks
Water and Land Development
Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
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Kamiloloa Ground Water Management Area, Molokai

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LN:ko
Attachment(s)

Response: Contact person: ___________________________ Phone: ______________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ___________________________ Date: 10/11/93
MEMORANDUM

TO: Mrs. Hoaliku L. Drake, Director
    Department of Hawaiian Home Lands

    Dr. John C. Lewin, M.D., Director
    Department of Health

    Mr. Clayton H. W. Hee, Chairperson
    Office of Hawaiian Affairs

    Mr. Goro Hokama, Chair
    Maui County Council

    Mr. Byron S. Walters, Chair
    Maui Board of Water Supply

FROM: Keith W. Ahue, Chairperson
      Commission on Water Resource Management

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Memorandum to:
Mrs. Hoaliku L. Drake
Dr. John C. Lewin
Mr. Clayton H.W. Hee
Mr. Goro Hokama
Mr. Byron S. Walters

Page 2

Response: Contact person: ___________________________ Phone: ________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: _________________________________________ Date: ________________
Honorable Linda Crockett Lingle, Mayor  
County of Maui  
200 South High Street  
Wailuku, HI 96793  

Dear Mayor Lingle:

Notice of an Application for a Water Use Permit  
Kamiloloa Ground Water Management Area, Molokai

In accordance with the Department of Land and Natural Resources Administrative Rules, Section 13-171-17(a), we are sending you a copy of the public notice for the water use permit application for Hale Mahaolu Home Pumehana, Well No. 0501-06, which will be published in the Honolulu Star Bulletin.

In addition, Section 13-171-13(b) of our Administrative Rules states:

"Within sixty days after receipt of notice of a permit application, the county shall inform the commission if the proposed use is inconsistent with the county land use plans and policies."

We have attached a copy of the application for your review and would appreciate receiving your comments, within the next sixty (60) days, on whether this water use is consistent with county plans and policies.

Very truly yours,

KEITH W. AHUE

Enc.
PUBLIC NOTICE

Applications for Water Use Permits
Ground Water Management Areas

Applications for the following water use permits have been received and are hereby made public in accordance with Department of Land and Natural Resources Administrative Rules 13-171, "Designation and Regulation of Water Management Areas".

Hale Mahaolu Home Pumehana (Well No. 0501-06)
Applicant: Hale Mahaolu Home Pumehana
P.O. Box 100
Kaunakakai, HI 96748
Date Completed Application Received: September 15, 1993
Aquifer: Kamiloa System, Southeast Sector, Molokai
Well Source: Hale Mahaolu Home Pumehana Well, Well No. 0501-06, at Kaunakakai, Molokai, Tax Map Key: 5-3-2:168
Quantity Requested: 20,000 gallons per day
Existing Water Use: Irrigation of 5 acres of landscape
Place of Water Use: Kolapa Place at Tax Map Key: 5-3-2:168

Nihipali (Well No. 3855-12)
Applicant: George N. Nihipali, Jr.
P.O. Box 217
Hauula, HI 96717
Date Completed Application Received: September 29, 1993
Aquifer: Koolauloa System, Windward Sector, Oahu
Well Source: Nihipali Well, Well No. 3855-12, at 55-246 D Kamehameha Hwy, Oahu,
Tax Map Key: 5-5-1:44
Quantity Requested: 230,000 gallons per day
Existing Water Use: Domestic service to 1 residence and irrigation of 3.5 acres of banana
Place of Water Use: 55-246 C Kamehameha Hwy at Tax Map Key: 5-5-1:44

Written objections or comments on the applications for water use permits may be filed by any person who has property interest in any land within the hydrologic unit of the source of water supply, any person who will be directly and immediately affected by the proposed water use, or any other interested person. Written objections shall: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; and (3) state all grounds for objections to the proposed permits. Send written objections by November 3, 1993 to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, and a copy of the objection letter(s) to the applicants at the above address.

COMMISSION ON WATER RESOURCE MANAGEMENT

KEITH W. AHUE
Chairperson

Dated: OCT - 5 1993

Publish in: Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993
Mr. Oliver Kikugawa  
Hale Mahaolu Home Pumehana  
P.O. Box 100  
Kaunakakai, HI 96748  

Dear Mr. Kikugawa:

Enclosed is a copy of the public notice for your water use permit application for Well No. 0501-06, which will be published in the Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993.

Please be aware that there may be objections to your application. If objections are made, the objector is required to file such objections with the Commission and is also required to send you a copy of the objections.

You, or any other party, may respond to objections by filing a brief in support of your application with the Commission within ten (10) days of the filing of an objection. You, or the other party, must also send a copy of the response to the objector.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

[Signature]

RAE M. LOUI  
Deputy Director

LN:ko  
Encl.
PUBLIC NOTICE

Applications for Water Use Permits
Ground Water Management Areas

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COMMISSION ON WATER RESOURCE MANAGEMENT

KEITH W. AHUE
Chairperson

Dated: OCT-5 1993

Publish in: Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993
State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Honolulu, Hawaii  
OCT - 7 1993

MEMORANDUM

TO: Aquatic Resources  
   Forestry and Wildlife  
   Historic Preservation  
   Land Management  
   Natural Area Reserve System  
   Office of Conservation and Environmental Affairs  
   State Parks  
   Water and Land Development  
   Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments  
Water Use Permit Application  
Kamiloa Ground Water Management Area, Molokai

Transmitted for your review and comment is a copy of a water use permit application for Hale Mahaolu Home Pumehana, Well No. 0501-06. Public notice of this application will be published in the Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993.

We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: _____________________________ Phone: _____________________________

( ) We have no comments  
( ) We have no objections  
( ) Comments attached  
( ) Additional information requested  
( ) Extended review period requested

Signed: _____________________________ Date: _____________________________
INTERESTED OTHERS LIST

ADDITIONAL STANDARD CORRESPONDENCE

Mr. David Martin  
Native Hawaiian Advisory Council  
1088 Bishop St., Suite 1204  
Honolulu, Hawaii 96813

ADDITIONAL STANDARD MAILING LIST FOR MOLOKAI

Mr. Brian Miskae  
County of Maui  
Department of Planning  
200 South High Street  
Wailuku, Hawaii 96793

IF NOT APPLICANT  
Mr. David Craddick, Director  
Maui Department of Water Supply  
200 South High St.  
Wailuku, HI 96793
MEMORANDUM

TO: Aquatic Resources
    Forestry and Wildlife
    Historic Preservation
    Land Management
    Natural Area Reserve System
    Office of Conservation and Environmental Affairs
    State Parks
    Water and Land Development
    Other Interested Parties

FROM: Rae M. Loui, Deputy Director

SUBJECT: Request for Comments
    Water Use Permit Application
    Kamiloloa Ground Water Management Area, Molokai

Transmitted for your review and comment is a copy of a water use permit application for Hale Mahaolu Home Pumehana, Well No. 0501-06. Public notice of this application will be published in the Honolulu Star Bulletin issues of October 13, 1993 and October 20, 1993.

We would appreciate your review of the attached application and please return this form by November 3, 1993.

If you have any questions regarding this application, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

LN:ko
Attachment(s)

Response: Contact person: ____________________________ Phone: ____________________________

( ) We have no comments
( ) We have no objections
( ) Comments attached
( ) Additional information requested
( ) Extended review period requested

Signed: ____________________________ Date: ____________________________
September 13, 1993

Mr. Rae M. Loui, Deputy Director
State of Hawaii
Dept. of Land and Natural Resources
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Loui:

SUBJECT: Application for a Water Use Permit
Kamiloloa Ground Water Management Area, Molokai

Enclosed please find completed Application for Water Use Permit for Hale Mahaolu Home Pumehana Well No. 0501-06 and Cashier's Check of $25 for filing fee.

Hoping the enclosed application and filing fee is in order, and that the application can now be processed.

We will await your reply on this matter.

Sincerely,

Oliver Kikukawa, Site Manager
Hale Mahaolu-Home Pumehana
P.O. Box 100
Kaunakakai, Hawaii 96748

OK/mkn
Enclosures
APPLICATION FOR WATER USE PERMIT

1. (a) APPLICANT
   Firm/Name: Hale Mahalou Home Pumehana
   Site Manager: Ph. 553-5768
   Address: Kaunakakai, HI 96748

   (b) LANDOWNER
   Firm/Name: County of Maui
   Contact Person: Edwin Oshio
   Address: 200 S. High Street
   Wailuku, HI 96793

2. WATER MANAGEMENT AREA: Hale Mahalou Home Pumehana CITY: Molokai
   ISLAND: Molokai

3. (a) EXISTING SOURCE NAME AND STATE NUMBER: Hale Mahalou Home Pumehana 0501-06
   (well or stream name/number)

   (b) PROPOSED (NEW) SOURCE NAME: NA

4. SOURCE LOCATION: Address: Hale Mahalou Home Pumehana
   Tax Map Key: 5-3-02:168
   (Attach a USGS map, scale 1"x1", and a property tax map showing source location referenced to established property boundaries.)

5. SOURCE TYPE (check one): Stream ✔️ Dike-Confined Costs
   ✔️ Perched Caprock

6. METHOD OF TAKING WATER (check one): ❌ Artesian Flow ❌ Well & Pump ❌ Diverted Surface Flow ❌ Other (explain)

7. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Address: Kona Place, Kaunakakai, HI
   Tax Map Key: 5-3-02:168
   (b) Land Use District (check one): ❌ Urban ✔️ Agriculture ❌ Conservation ❌ Rural Interim
   (c) County Zoning (describe): NA

8. QUANTITY OF WATER REQUESTED: 20,000 gallons per day

9. METHOD OF MEASUREMENT: ☑ Flowmeter ☐ Open-pipe ☐ Weir ☐ Office ☐ Other (explain)

10. QUALITY OF WATER REQUESTED: ☐ Fresh ☑ Brackish ☐ Salt ☐ Potable ☐ Non-Potable

11. PROPOSED USE: ☑ Municipal (including hotels, stores, etc.) ☑ Domestic (individual, noncommercial, etc.) ☑ Irrigation
    ☑ Industrial ☑ Military ☑ Other (explain)

12. NUMBER AND TYPE OF UNITS TO BE SERVED (explain): NA

13. TOTAL ACRES PROPOSED FOR IRRIGATION AND TYPE OF CROP: 5 Acres Landscape (acre) (crop)

14. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 11:30 a.m. to 5:30 p.m. (Indicate hours of operation)

15. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON USE:
    (a) Impact on Sustainable yield (?): Unknown
    (b) Permanent or Interim Instream Flow Standards affected (?): NA
    (c) Hawaiian Homes Land uses affected (?): NA
    (d) Other existing legal uses affected (?): NA
    (e) Other: (Pending permits, EIS, etc. (?): NA

16. REMARKS, EXPLANATIONS: Home Pumehana is situated on 10 acres of land. Approximately 5 acres are covered by buildings, asphalted roads and parking stalls, sidewalks (If more space is needed, continue on back side)

   Applicant (print) Oliver Kikukawa
   Signature 8-13-93

   Landowner (print) County of Maui
   Signature 8-24-93

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resources Management, a permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands future uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

For Official Use Only:
Date Received
Date Accepted
Hydrologic Unit No.
Diversions Work No.
State Water No.

Notice Dates:
Public Mayor BWS Mail List Bulletin Public Hearing

6/24/92 WPRA Form
METHOD OF MEASUREMENT: Estimated. Prior to switching to the well, we ran the existing irrigation system with water meter through several stations to irrigate approximately one acre. Timers for these stations were adjusted to deliver 4000 gallons at the end of its cycle. We then switched to the well and irrigated the same area to determine kilowatts required to deliver the 4000 gallons of water. Timers on all stations were then adjusted and 6 hours of pump run time delivers approximately 20000 gallons of water to irrigate 5 acres.

TABLE 1. MULTIPLE TMKs TO USE REQUESTED WATER

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>TMK</th>
<th>CURRENT COUNTY ZONING CODE</th>
<th>NET ACRES</th>
<th>GPD/UNIT or TOTAL GP</th>
<th>% OF TOTAL TO BE USED OVER NEXT 4 YEARS</th>
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</table>
gave to Kay for deposit 9/29/98

Ed:
This check made
out to County
of Maui/DLNR.
Need to get another
one? Check is
acceptable for
deposit per
Sandy, Fiscal Office
519-0644 W.
Mr. Oliver Kikukawa  
Hale Mahaolu  
P.O. Box 100  
Kaunakakai, HI 96748

Dear Mr. Kikukawa:

Application for a Water Use Permit  
Kamiloloa Ground Water Management Area, Molokai

We acknowledge receipt of your water use permit application for the Home Pumehana Well (Well No. 0501-06) on July 6, 1993.

However, your application is incomplete. The following items need to be resolved on your application:

1. From our field investigation on October 10, 1992, we found that the landowner is actually the County of Maui. Please resubmit the application with the appropriate County of Maui signature or a letter from them authorizing Mr. Katsuda’s signature as landowner.

2. We also noted in our field investigation that you irrigate about 10 acres of landscape although your application requests water for only five (5) acres. Please clarify this change.

3. Normally, five (5) acres of landscape irrigation requires an average of 4,000 gallons per day per acre. This would compute to a requirement of (5 ac. x 4,000 gpd/ac.) = 20,000 gpd. Your request is for 20,000 gpd but is calculated differently. Are we talking about the same irrigation need?

4. Your filing fee of $25.00

Please furnish the request information to complete your application. We have attached what we believe to be the appropriate USGS and property maps for your convenience. Also, since you submitted your application on July 6, 1993, you have met the July 15, 1993 deadline for existing water users and are not subject to any fines for failing to file an application.
Upon receipt of the requested information, we will continue to process your application and will send you a copy of the public notice and any further information regarding your application status.

If you have any questions, please contact Roy Hardy at 587-0274 or Lenore Nakama at 587-0218.

Sincerely,

RAE M. LOUI
Deputy Director
APPLICATION FOR WATER USE PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. Application must be accompanied by a non-refundable filing fee of $26.00 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 (neighbor islands), 1-800-468-4464.

PERMITTEE INFORMATION

1. (a) APPLICANT
   Firm/Name: Hale Mahaulu Home Pumehana
   Site Manager: 553-5788
   P.O. Box 100
   Address: 200 Hina Ave
   Hilo, HI 967251
   Contact Person: Oliver Kilikaimana

(b) LANDOWNER OF SOURCE
   Firm/Name: Hale Mahaulu, Inc.
   Executive Director: 877-6252
   P.O. Box 100
   Address: 200 Hina Ave
   Hilo, HI 967251
   Contact Person: Roy K. Karsuda

SOURCE INFORMATION

2. WATER MANAGEMENT AREA: Hale Mahaulu Home Pumehana
   ISLAND: Molokai

3. (a) EXISTING WELL/DIVERSION NAME AND STATE NUMBER: Hale Mahaulu Home Pumehana 0501-06
   (b) PROPOSED (NEW) WELL/DIVERSION NAME: NA
   (c) LOCATION: Address Hale Mahaulu Home Pumehana Tax Map Key 5-2-02:168
   (Attach a USGS map, scale 1" = 2000", and a property tax map showing source location referenced to established property boundaries.)

4. SOURCE TYPE (check one): Stream >Dissolved Perched >Caprock
   (b) LANDOWNER
   Firm/Name: Hale Mahaulu Home Pumehana
   Site Manager: 553-5788
   P.O. Box 100
   Address: 200 Hina Ave
   Hilo, HI 967251
   Contact Person: Oliver Kilikaimana

5. METHOD OF TAKING WATER (check one): Open-pipe >Dike-confined >Diverted Surface
   Other (explain)

USE INFORMATION

6. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Proposed use of water is: Existing >New >Both existing & new uses
   (b) Tax Map Key: 5-2-02:168
   (If location of use is over multiple TMKs, please complete Table 1 on back of application)
   (c) Address: Hale Mahaulu Home Pumehana, Koliapa Place, Kaunakakai, HI
   (d) Current Land Use District: Urban >Agriculture >Conservation >Rural
   (e) Current County Zoning District: Water Use Management Area: Hale Mahaulu Home Pumehana

7. QUANTITY OF WATER REQUESTED: 20 X 1000 gallons per day (averaged over 1 year)

8. METHOD OF MEASUREMENT: Flowmeter >Open-pipe >Weir >Orifice
   Other (explain)

9. QUALITY OF WATER REQUESTED: Fresh >Brackish >Salt >Potable >Non-Potable
   Other (explain)

10. PROPOSED USE: Municipal (including hotels, stores, etc.) >Individual Domestic >Irrigation
    Industrial >Military
    Other (explain)

   For questions 12 & 13: If multiple TMKs are involved, please complete Table 1 on back of application.

11. TOTAL NUMBER OF RESIDENCES TO BE SERVED: NA

12. TOTAL ACRES TO BE IRRIGATED AND TYPE OF CROP: 5 acres / 1000 "Landscape" (acre)
    (crop)

13. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 11:30 a.m. to 5:30 p.m.
    (daytime hours of operation, ex. 7 a.m. to 2 p.m.)

14. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON WATER USE:
    (a) Impact on Sustainable yield (?): Unknown
    (b) Instream Flow Standards affected (?): No
    (c) Hawaiian Home Lands use affected (?): No
    (d) Other existing legal uses affected (?): No
    (e) Other (pending permits, EIS, etc.) (?): NA

15. REMARKS, EXPLANATIONS:
    Method of measurement - Estimated, Number of hours the well pump is run

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resource Management, a permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands future uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

Applicant (print): Oliver Kilikaimana
Signature: __________________________
Date: 6-24-93

Landowner (print): Roy K. Karsuda
Signature: __________________________
Date: 6-30-93

For Official Use Only:
Date Received: __________________________
Hydrologic Unit No. __________________________
Date Accepted: __________________________
Diversion Works No. __________________________
State Well No. __________________________
<table>
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<tr>
<th>PROJECT NAME</th>
<th>TMK</th>
<th>CURRENT COUNTY CODE</th>
<th>ZONING CODE</th>
<th>CURRENT UNITS or NET ACRES</th>
<th>GPD/UNIT or GPD/ACRE</th>
<th>TOTAL GPD</th>
<th>% OF TOTAL TO BE USED OVER NEXT 4 YEARS</th>
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</table>

TABLE 1. MULTIPLE TMKs TO USE REQUESTED WATER
APPLICATION FOR WATER USE PERMIT

☐ Ground Water or ☐ Surface Water

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 96808. Application must be accompanied by 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 577-0226 (neighbor islands) or 1-808-488-4831.

PERMITTEE INFORMATION

1. (a) APPLICANT
   Firm/Name: Hale Mahaolu Home Pumehana
   Site Manager: ____________________________
   Contact Person: ____________________________
   P.O. Box 100
   Kaunakakai, HI, 96748

(b) LANDOWNER OF SOURCE
   Firm/Name: Hale Mahaolu, Inc.
   Executive Director: ____________________________
   Contact Person: ____________________________
   Address: 200 Hina Ave
   Kapalua, HI, 96732

SOURCE INFORMATION

2. WATER MANAGEMENT AREA: Hale Mahaolu Home Pumehana ____________ ISLAND: Molokai

3. (a) EXISTING WELL/DIVERSION NAME AND STATE NUMBER: Hale Mahaolu Home Pumehana 0501-06

(b) PROPOSED (NEW) WELL/DIVERSION NAME: NA

(c) LOCATION: Address Hale Mahaolu Home Pumehana Tax Map Key 5-2-02:168
   (Attach a USGS map, scale 1" = 2000' and a property tax map showing source location referenced to established property boundaries.)

4. SOURCE TYPE (check one): □ Stream □ Well □ Dike-confined □ Perched □ Artesian □ Weir □ Diverted Surface □ Other (explain)

5. METHOD OF TAKING WATER (check one): □ Mosiac □ Well & Pump □ Surface □ Diverted Surface □ Other (explain)

USE INFORMATION

6. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
   (a) Proposed use of water is: □ Existing □ New □ Both existing & new uses
   (b) Tax Map Key: 5-2-02:168 (If location of use is over multiple TMKs, please complete Table 1 on back of application)
   (c) Address: Hale Mahaolu Home Pumehana, Kolapla Place, Kaunakakai, HI
   (d) Current Land Use District: □ Urban □ Agriculture □ Conservation □ Rural
   (e) Current County Zoning Code: Interim, O.K.

7. QUANTITY OF WATER REQUESTED: 20 X 1000 gallons per day (averaged over 1 year)

8. METHOD OF MEASUREMENT: □ Flowmeter □ open-pipe □ Weir □ Orifice □ Other (explain)

9. QUALITY OF WATER REQUESTED: □ Fresh □ Brackish □ Salt □ Potable □ Non-Potable

10. PROPOSED USE: □ Municipal (including hotels, stores, etc.) □ Individual Domestic □ Irrigation
     □ Industrial □ Military □ Other (explain)

For questions 12 & 13: If multiple TMKs are involved, please complete Table 1 on back of application.

11. TOTAL NUMBER OF RESIDENCES TO BE SERVED: NA

12. TOTAL ACRES TO BE IRRIGATED AND TYPE OF CROP: 5 acres Landscape (acres) (crop)
           (acre) (crop)

13. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 11:30 a.m. to 5:30 p.m. (daytime hours of operation, exp. 7 a.m. to 2 p.m.)

14. APPLICANT MUST BRIEFLY DESCRIBE FOLLOWING POTENTIAL RESTRICTIONS ON WATER USE:
    (a) Impact on Sustainable yield (?): Unknown
    (b) Instream Flow Standards affected (?): No
    (c) Hawaiian Home Lands use affected (?): No
    (d) Other existing legal uses affected (?): No
    (e) Other (pending permits, EIS, etc.): NA

15. REMARKS, EXPLANATIONS: Method of measurement - Estimated, Number of hours the well pump is run.

NOTE: Signing below indicates that the applicant understands that, if a water use permit is granted by the Commission on Water Resource Management, a permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands future uses. In addition, applicant understands that, upon permit approval, a water shortage plan must be submitted should the Commission require one.

Applicant (print): Oliver Kikukawa
Signature: ____________________________
Date 6-24-93

Landowner (print): Roy K. Katayama
Signature: ____________________________
Date 6-30-93

For Official Use Only:
Date Received ____________ Hydrologic Unit No. ____________
Date Accepted ____________ Diversion Works No. ____________
State Well No. ____________
WATER USE PERMIT NO. 312

This report has been prepared in accordance with 13-171-22(b) of the Hawaii Revised Statutes requiring a 20-year review of issued water use permits to determine permit compliance. Following is a summary of permit information, site characteristics, methodology, findings, and recommendations for this State permit file.

Permit Information

<table>
<thead>
<tr>
<th>Water User:</th>
<th>Hale Mahaolu</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P.O. Box 100</td>
</tr>
<tr>
<td></td>
<td>Kaunakakai, HI 96748</td>
</tr>
<tr>
<td>Landowner of Source:</td>
<td>Hale Mahaolu Inc.</td>
</tr>
<tr>
<td></td>
<td>200 Hipa Ave.</td>
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<td></td>
<td>Kahului, HI 96732</td>
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<tr>
<td>Permitted Withdrawal Rate:</td>
<td>0.005 mgd (Based upon a 12-month moving average)</td>
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<td>Water Management Area:</td>
<td>Kamiloloa</td>
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<td>Island:</td>
<td>Moloka'i</td>
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<td>Aquifer Sector/System:</td>
<td>Southeast/Kamiloloa</td>
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<td>System Sustainable Yield:</td>
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<td>Water Type:</td>
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<td>Original CWRM Date:</td>
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<td>Standard Conditions:</td>
<td>1-11, 13-14, 16-17, 20-23</td>
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<td>Special Conditions:</td>
<td>7</td>
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</tbody>
</table>

Water Source

| State Well Number(s):        | 0501-06                             |
| Well Name:                   | Home Pumehana                       |
| Water Source TMK Number(s):  | 2nd Division, 5-3-002:168           |
| State Land Use Classification(s): | Urban                             |
| County Zoning Classification(s): | Interm                            |
| Geographical Coordinates:    | Latitude 21° 05' 21.9" North       |
|                              | Longitude 156° 00' 54.1" West       |

End Use

| End Use TMK Number(s):       | 2nd Division, 5-3-002:168           |
| State Land Use Classification(s): | Urban                             |
| County Zoning Classification(s): | Interm                            |
| Beneficial Use Explanation:  | Irrigation of 5 acres for landscaping |
Background Information

Water Use Permit 312 was approved during the November 17, 1993 Commission on Water Resource Management meeting. Standard conditions 1-11, 13-14, 16-17, 20-23 and special conditions 7 are the governing conditions for this water use permit. A complete list of all standard and special conditions is given in the final summary report to the Legislature for this 20-year Water Use Permit Review.

Field Investigation Information

Contact: Nestor Ramos
Site Address: P.O. Box 606
Kaunakakai, HI 96748

Brown and Caldwell conducted a field investigation on August 14, 2008 from 1:00 a.m. until 2:00 p.m. with Mr. Ramos. During this time, type of water usage was verified, GPS coordinates of well head(s) were recorded, flow meter installation and functionality were documented, and property TMK information was verified. The wellhead, its related appurtenances, and water usage area were visually inspected to assess compliance with permit conditions. Visual inspection of water loss/waste was limited to outdoor areas within the usage boundary. Reference the TMK and GIS maps in the permit file for a visual representation of the site.

Summary of Findings for Water Use Permit No. 312

State Well No. 0501-06 is located on TMK parcel (2)5-3-002:168 at 21° 05' 21.9" N, 156° 00' 54.1" W, with a real time accuracy of ±15 feet. Water is drawn from the well via an above ground pump. The pump conveys the water directly into Hale Mahaolu irrigation piping system where it is used for irrigation of grass lawn area. Reference the Appendix for photographs of the previously described system components.

Based upon visual inspection of the system, all components appear to be in full working order. State Well No. 0501-06 does not have a system flowmeter installed. However, the permittee stated that he does submit monthly water usage reports on the 28th of every month. Water use records are available, which indicate water use over the permitted .005 mgd limit on occasion.
The following are a list of standard condition(s) that the permittee is found to be in non-compliance with:

(10) An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a yearly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.

Because the well is being operated without a functional flowmeter in place, the permittee is found to be in violation of Standard Condition (10).

**Recommendations**

- Address the following discrepancies between the Commission's electronic database and actual field investigation findings:
  - Change permittee contact to Nestor Ramos at [redacted] cell
  - Create memo field entry noting field investigation on 8/14/08
- Address violation of Standard Condition (10) regarding the lack of a functional flowmeter.
- Address violation of water use over the permitted withdrawal.
20-Year Water Use Permit Review
Water Use Permit No. 312

APPENDIX

Field Investigation Photographs
Figure 1 – State Well No. 0602-03
Figure 2 – Well Pump and controls
Figure 3 – End use location for irrigation of lawn
Water Use Permit Survey
(Please complete one survey form for each WUP

WUP Number: 312

Contact Information (of the person who will be present at site visit):
Name: JERELA MAWARA
Phone (for phone interview): 553-5718 Fax: 553-3224
Email: JERELA MAWARA
Best time to reach for phone interview: between 8-12 noon

Property Information (of the water use/well location):
Address: 240 KAAPOLOA PL
City: KANEKAU
Well Location TMK (list all if multiple wells present): S-3-03-01
Water Use TMK (list all if used on multiple lots): S-8-03-01

Water Use/Well Information:
Is the water source currently in use? Yes ☐ No ☐
If no, please explain: THE PUMP HAS BROKEN, WILL BE REPLACED IN A FEW MONTHS

What are you currently using the water for? (example: "Use for 45 acres of diversified agriculture and 3 residences"): USED FOR 9.999 ACRES OF YEAR OR COMMON GROUNDS, 85 UNITS OF RESIDENTS YARDS

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) Monday Time: 9:00 am ☑ 12:00 pm ☑ 3:00 pm ☑
Option #2 Date: (M-F) Tuesday Time: 9:00 am ☑ 12:00 pm ☑ 3:00 pm ☑
Option #3 Date: (M-F) Wednesday 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 March 5th, 2008 and direct any questions related to this survey to Mr. Milo Smith of Brown and Caldwell at:
1059 Alakea Street, Suite #2400
Honolulu, HI 96813
Tel: (808) 203-2561
Fax: (808) 533-0226
mcsmith@brownal.com

Resub: TO: IRIS FROM: ROY
Notes/Comments: 7/14/08 Information Updated: 7/28/08 Phone Interview Complete:___
## Phone Interview

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>WUP Number</td>
<td>312</td>
</tr>
<tr>
<td>Well Number(s)</td>
<td>0501-06</td>
</tr>
<tr>
<td>Contact Name</td>
<td>Jersula Manaba</td>
</tr>
<tr>
<td>Phone Number</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Well Location TMK(s)</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Water Use TMK(s)</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Water Source Address</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>City</td>
<td>Kaunakapali</td>
</tr>
<tr>
<td>Zip Code</td>
<td>96748</td>
</tr>
<tr>
<td>Currently using water source?</td>
<td>Yes [x]</td>
</tr>
<tr>
<td>How often is the water source being used?</td>
<td>Daily [x]</td>
</tr>
<tr>
<td>How long have you been using this water source?</td>
<td>About 1980</td>
</tr>
<tr>
<td>Has there been any rezoning of the water source/water use properties?</td>
<td>No [x]</td>
</tr>
<tr>
<td>Have you reported the rezoning to the State?</td>
<td>Yes [x]</td>
</tr>
<tr>
<td>Scheduled field investigation day/time:</td>
<td>Thursday Aug 14th, 2008 1:00 pm</td>
</tr>
<tr>
<td>Comments To Make</td>
<td></td>
</tr>
</tbody>
</table>
# Field Investigation Checklist

**WUP Number:** 312  
**Well Number(s):** 0501-06

## Water Source
- **Well Location TMK(s):**
- **Well Head GPS Coordinates:**  
  - Latitude: $21^\circ 05' 21.9"$  
  - Longitude: $158^\circ 00' 54.1"$
- **Well Type:** [Drilled (deepwell)]
- **Currently using water source?**
  - Yes ☑️
  - No ☐
- **Notes/Comments:**
  - *Pump is on a timer, flow-lawn*

## Water Use
- **Water Use TMK(s):**
- **What is the water being used for?** *Lawn*

## Other
- **Photographs of:**
  - Water Source ☑️
  - Usage Area ☑️
  - Water Meter ☐
  - Pump/Motor ☐

## General Notes/Comments:
- 
- 
- 
- 
- 
- 
- 
- 
- 

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**Investigated By:** ____________________________  
**Date:** _______________  
**Time:** _______________
Standard Conditions List

1. The water described in this water use permit may only be taken from the location described and used for the reasonable beneficial use described at the location described above. Reasonable beneficial uses means “the use of water in such a quantity as is necessary for economic and efficient utilization, which is both reasonable and consistent with State and County land use plans and the public interest.” (HRS § 174C-3)

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HRS § 174C-49(a), which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in HRS § 174C-3;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with State and County general plans and land use designations;
   f. Is consistent with County land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in Section 221 of the Hawaiian Homes Commission Act and HRS § 174C-101(a).

4. The ground-water use here must not interfere with surface or other ground-water rights or reservations.

5. The ground-water use here must not interfere with interim or permanent instream flow standards. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use authorized here is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and submittal, as amended, approved by the Commission at its <Insert Date> meeting are incorporated into this permit by reference.

8. Any modification of the permit terms, conditions, or uses may only be made with the express written consent of the Commission.

Variations of Standard Condition (8) are as follows:
   i. Modification of any permit condition shall be approved by the Commission. Modification of any permit condition without notification may result in the revocation of the water use permit.
9. This permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect the water sources (quantity or quality);
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June, 1987 shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Home Lands, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.

Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard

10. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a monthly basis (attached).

Variations of Standard Condition (10) are as follows:

i. The applicant shall keep monthly pumpage estimates to be submitted annually to the Commission.

ii. An approved flowmeter(s) need not be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).

iii. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.

iv. Approved flowmeters must be installed to measure monthly withdrawals and a monthly record of withdrawals must be kept and reported to the Commission on Water Resource Management on a monthly basis.

v. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a quarterly/yearly basis (attached).

vi. An approved flowmeter shall be installed to measure water withdrawals

vii. 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, HI 96809, on a **monthly** basis.

viii. Although not stated as a condition of the permit §13-168-7 HAR requires you to keep a record of your **monthly** total pumpage, water level, salinity, and water temperature. This information **must be** submitted to the Commission on a regular **monthly** basis using the enclosed water use report form.

ix. An approved flowmeter shall be installed and the withdrawal from Well 1851-73 shall be recorded and reported to DLNR on a **monthly** basis by the owner and/or operator of the well.

x. The withdrawals from these wells shall be recorded and reported to the DLNR on a **monthly** basis by the BWS.

xi. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting water usage on a **monthly** basis.

xii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a **monthly** basis and reported to the Commission.

xiii. The applicant shall provide and maintain an approved meter or other appropriate device or means for measuring and reporting total water usage. Water usage shall be measured on a **monthly** basis and reported to the Commission along with water level and salinity measurements.

11. This permit shall be subject to the Commission’s periodic review of the <Aquifer> Aquifer System’s sustainable yield. The amount of water authorized by this permit may be reduced by the Commission if the sustainable yield of the <Aquifer> Aquifer System, or relevant modified aquifer(s), is reduced.

12. A permit may be transferred, in whole or in part, from the permittee to another, if:
   a. The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of use, remain the same; and
   b. The Commission is informed of the transfer within ninety days.

Failure to inform the department of the transfer invalidates the transfer and constitutes a ground for revocation of the permit. A transfer, which involves a change in any condition of the permit, including a change in use covered in HRS § 174C-57, is also invalid and constitutes a ground for revocation.

13. The uses(s) authorized by law and by this permit do not constitute ownership rights.

14. The permittee shall request modification of the permit as necessary to comply with all applicable laws, rules, and ordinances that will affect the permittee’s water use.

15. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservations, of the water allowed by this permit for a period of four (4) continuous years or more may result in a permanent revocation as to the amount of water not in use. The Commission and the permittee may enter
into a written agreement that, for reasons satisfactory to the Commission, any period of nonuse may not apply towards the four-year period. Any period of nonuse which is caused by a declaration of water shortage pursuant to section HRS § 174C-62 shall not apply towards the four-year period or forfeiture.

16. The permittee shall prepare and submit a water shortage plan within 30 days of the issuance of this permit as required by HAR § 13-171-42(c). The permittee's water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the <Aquifer>Ground-Water Management Area.

17. The water use permit shall be subject to the Commission's establishment of instream standards and policies relating to the Stream Protection and Management (SPAM) program, as well as legislative mandates to protect stream resources.

18. The permittee understands that any willful violation of any of the above conditions or any provisions of HRS § 174C or HAR § 13-171 may result in the suspension or revocation of this permit.

19. Special conditions in the attached cover transmittal letter or attached exhibits are incorporated herein by reference.

20. If the ground-water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

Variations of Standard Condition (20) are as follows:

i. The permit may be revoked if work is not started within six months of the date of issuance or if work is suspended or abandoned for six months. The work proposed in the permit application shall be completed within two years from the date of permit issuance.

21. This permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HRS § 174C-59 and the requirements of Chapter 174C, the Commission on Water Resource Management has the authority to allow the transfer of the permit and the use rights granted by this permit in a manner consistent with HRS § 174C-59. Any such transfer shall only occur with the Commission's prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

22. The water use permit granted shall be an interim water use permit, pursuant to HRS § 174C-50. The final determination of the water use quantity shall be made within five (5) years of the filing of the application to continue the existing use.

23. The water use permit shall be issued only after agricultural review.

24. That scheduled adjustments to Oahu Sugar Co. permitted use shall be initiated upon discontinuance of agricultural uses.
25. The issuance of this permit was approved by the Commission on Water Resource Management at its meeting on <Insert Date>.

26. The permit shall be subject to the review by the Attorney General.

27. 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.

28. The applicant shall obtain the necessary land acquisition documents from the Hawaii Housing Authority.
Special Conditions List

1. Should an alternate permanent source of water be found for this use, then the Commission reserves the right to revoke this permit, after a hearing.

2. In the event that the tax map key at the location of the water use is changed, the permittee shall notify the Commission in writing of the tax map key change within thirty (30) days after the permittee receives notice of the tax map key change.

3. The applicant shall contact the Environmental Management Division, State Department of Health, at 586-4304, concerning “GUIDELINES APPLICABLE TO GOLF COURSES IN HAWAII” date <Insert Date & Version #>.

4. Standard Condition 10 is emphasized, to report consumption on a regular basis.

5. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

6. This interim water use permit shall cease to become interim and shall be subject to HRS § 174C-55 upon administrative review of the quantity within five (5) years, provided that all conditions of the use (including the review of the quantity which shall not be greater than the amount initially granted) remain the same. Enforcement of the allocation limit shall be stayed pending staff's review and issuance of a permanent water use permit.

7. As-built drawings of the well and pump, and a complete pumping test record shall be submitted within sixty (60) days.

8. In the event the pump tests show that aquifer boundary conditions do not support the requested withdrawals, the Commission reserves the right to amend this permit, after a hearing, to a level that is supported by the pump tests.

9. The existing use may be continued within the levels approved by the Commission, and the actual issuance of the permit document shall not be a reason to interrupt the approved level of use.

10. The filing of an application by Kukui, Inc. for a new or modified water use permit for the Kualapuu Aquifer in excess of 2.0 mgd (total system withdrawal) shall be just cause for re-consideration of this interim permit by the Commission.

11. Upon completion of a new transmission line for the transport of water use by Well #17, the permit shall be modified to reduce the allocation amount by the additional 79,220 gallons per day allocated for use of the Molokai Irrigation System.

12. Within six (6) months from the date of approval of a water use permit for the well, the applicant shall conduct a feasibility study and submit a report describing
alternative sources of nonpotable water for irrigation uses at the resort area. It is suggested that the developer consider use of dual lines in the subdivisions so that effluent may be used in the existing reuse system. Another consideration is the development of brackish water wells in the Kauaikoi Aquifer system for mixing with the effluent generated at the resort.

13. Within six (6) months from the date of approval of a water use permit for the well, the application shall evaluate the filter back discharges into Kakaako Gulch to determine if excessive preventable waste is occurring and identify possible measures to eliminate or reduce such waste. The evaluation shall be conducted in cooperation with the Commission staff and staff of the Department of Health's Safe Drinking Water Branch, which regulates the drinking water system.

14. Within six (6) months from the date of approval of a water use permit for the well, the applicant shall 1) implement a leakage control and detection system and compete repairs to prevent such leakage and 2) implement use of xeriscaping and low-flow fixtures.

15. Action on the future use portion of the water use permit application for Well #17 (Well No. 0901-01) is deferred pending the establishment of existing uses in the aquifer. Kukui Inc.'s application for uses in excess of those uses existing on July 15, 1992 will be considered “new” uses and will be taken up by the Commission as soon as other existing use applications have been decided. In the interim,
   a. The Commission shall recognize that there is disagreement between the applicant's staff calculations of reasonable-beneficial existing use
   b. The Applicant will have the burden of proof to show within six (6) months reasonable-beneficial existing use calculations that support the applicant's request as opposed to staff's calculations.
   c. The Commission's enforcement of the approved existing use allocation will be suspended for six (6) months.

16. The permittee shall submit a notice of intent and written request to continue the use at least ninety (90) days prior to the expiration of the interim five-year permit.

17. The Commission shall delegate to Maui Department of Water Supply the authority to allocate the use of water for municipal purposes, as provided in §174C-48(b).

18. Maui Department of Water Supply shall be exempt from the requirements for permit modifications, as provided in §174C-57(c).

19. The permittee must meter water use and monitor chloride concentrations on a monthly basis and submit monthly reports of water use and chloride concentrations to the Commission.

20. Standard Condition 16 is waived for saltwater wells.

21. The permit will be revoked if (1) stream monitoring shows that pumping the well reduces stream flow, or (2) the electromagnetic resistivity survey indicates that the
well was drilled into a dike compartment, unless the applicant submits a petition for an amendment to the interim instream flow standard with the well completion report. However, no use of the water may be made without a Pump Installation Permit, which cannot be issued during consideration of the amendment of the interim instream flow standard.

22. The applicant shall present the results of the electromagnetic resistivity survey, pump tests, and stream monitoring to a community meeting as well as to the Commission.

23. A final determination of water use quantity shall be made within five (5) years of the filing date of the application (<Insert Date>) to continue existing use.

24. The applicant shall implement, by December 31, 1995, a biological and hydraulic monitoring program for a minimum 2-year period that: 1) documents the existing operating procedure, 2) seeks to identify the impacts of all operating alternatives on Waikolu Stream, and 3) seeks to identify the effectiveness of weir modifications (Dam No. 1). This program shall incorporate the three new wells, Wells #4-6 (Well Nos. 0855-06, -05, & -04, respectively), which may be pumped within the approved limits, for monitoring and testing purposes only. Further, semi-annual reports summarizing data and preliminary findings shall be submitted to the Commission. It is suggested that the Department of Agriculture work with the State Division of Aquatic Resources and other affected agencies to prepare the monitoring program in light of the difficult technical questions raised by this application. A particular concern is the coordination of this monitoring program with the ongoing National Park Service study by Anne Brasher. A draft of this plan shall be submitted to the Commission staff within ninety (90) days for technical review and comment. Results of the monitoring program shall be used to make recommendations to the Commission on any additional use of the wells, and shall be made readily available to all interested parties.

25. That the Commission approves the well construction permit for the Kamiloloa-Waiola Well (Well No. 0759-01), subject to the standard well construction conditions and the special conditions for the pumping well for the aquifer tests.

26. That the Commission authorizes the Chairperson to approve and issue a pump installation permit upon acceptance of adequate pump test result, subject to the standard pump installation conditions.

27. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

28. The applicant shall follow the agreed monitoring plan.

29. If pesticides used by the applicant are found in ground or surface water and can be traced to the applicant's use, the CWRM may revoke the permit immediately upon such finding.
30. Issuance of the interim permit shall be withheld until the reservation of water for DHHL is set by rule. Applicant may continue this existing use within the approved limits.

31. The applicant shall submit well modification and pump installation permit applications for administrative approval by chairperson prior to beginning any work required to complete well.

32. Should any stream flow impacts result from use, petition to amend interim instream flow standards shall be submitted.

33. Should any dewatering result from use, pumping shall cease immediately.

34. Shall submit accurate schematic diagram of distribution system for the battery of 5 wells.

35. Shall be subject to a 6-month independent audit & monitoring.

36. Final pump capacity shall be determined from pump test results & approved administratively by signature of chair.

37. The permittee shall seek and submit to the Commission within ninety (90) days written confirmation from the Department of Land Utilization of the non-conforming use.

38. Pumping shall cease immediately if the chloride reports show that the brackish water developed in the well exceeds 1,000 mg/l of chloride, unless a variance from the chloride limit has been granted. The authority to approve future variance requests is delegated to the chairperson.

39. The duration of the interim permit shall be:
   a. To July 1, 2006, or
   b. Until treated wastewater is available and acceptable for use, or
   c. Until such time that a significant change in permitted, actual, or projected uses or water supply occurs.

40. Action on any interim permit may be initiated by the Commission or any permittee upon letter request or pursuant to §174C-57 Haw. Rev. Stat. (Modification of permit terms).

41. This permit is approved under the assumption that wastewater will become available for reuse as an alternative supply source.

42. Require adherence to the chloride sampling protocol and the submittal of weekly chloride data. The authority to approve variances from the weekly reporting requirement is delegated to the Chairperson.

43. Require adherence to the Conservation Conditions.
44. In the event a water shortage is declared by the Commission, permittees in the <Insert Aquifer System> shall comply with the <Insert Aquifer System> water shortage plan adopted by the Commission.

45. The permittee shall contact the Department of Health, Clean Water Branch and obtain the necessary discharge permit(s).

46. Permit shall be interim and replaces existing WUP for 2051-07 & 11.

47. Applicant shall submit an acceptable archaeological inventory survey report to DHP. If historic sites affected, a plan to mitigate these affects must be accepted by DHP and completed by applicant.

48. Should the well be used for back-up domestic supply, applicant is advised to contact DOH or otherwise ensure safe drinking water quality is maintained.

49. (The permittee) may report monthly pumpage on yearly basis.

50. Prior to issuance of any permits, must submit filing fee for after-the-fact pump installation permit.

51. The term of this permit shall be twenty years from the date of issuance of the permit with a five-year Board review to determine compliance with the provisions of the permit.

52. The amount of water to be withdrawn under this permit shall be 0.19 mgd, averaged annually, for irrigation use. This permitted use of 0.19 mgd when added to a preserved use of 0.27 mgd amounts to a total of 0.46 mgd, averaged annually, which may be withdrawn from well 1646-01.

53. The use authorized by the permit must not interfered substantially and materially with existing individual household uses and existing uses.

54. The use of this well shall be subject to the shortage and emergency powers of the Board of Land and Natural Resources (BLNR).

55. This permit may be suspended or revoked, in accordance with Chapter 166.

56. The permit holder may be required to relinquish this permit to BLNR, in accordance with Chapter 166

57. The withdrawal from Well 1646-10 shall be recorded and reported to DLNR on a monthly basis by the permittee.

58. In the event that emergency water use occurs, the permittee shall notify the Commission in writing within one (1) day of pumping, to in form the Commission as to the nature of the emergency and the expected duration of the emergency. A water
use report shall also be filed pursuant to Standard Condition 10 and Administrative Rule 13-168-7.

59. Note DOH’s requirements related to non-potable water systems (attached to original permit).

60. Standard Condition 16 requiring the submittal of a water shortage plan is waived.

61. All non-potable spigots and piping shall be clearly labeled as “DO NOT DRINK, NON-POTABLE” to prevent direct human consumption.

62. Standard Condition 10 is modified. Due to the inability to take water level measurements, the requirement to measure monthly water levels is waived. In addition, as long as the U.S. Geological Survey is collecting and analyzing the chloride content of the well water, the requirement for the permittee to measure and report chlorides is also waived.

63. Well elevation components must be surveyed by a licensed surveyor and this information must be submitted to commission prior to issuance of permanent permit.

64. The permittee shall obtain approvals from the Department of Health and the U.S. Environmental Protection Agency prior to use of the water.

65. This water use permit, WUP No. <Insert #>, shall supersede WUP No. <Insert #>.

66. WUP No. <Insert #> is revoked

67. Standard Condition 17 is waived.

68. Standard Condition 22 for interim water use permits shall not apply.

69. To supplement our records, we request that you provide a map of the Galbraith Est. lands west of Wahiawa (2100 ac+) and the associated TMK's for use area.

70. Deferred action on portion requested for golf course irrigation pending further refinement of irrigation requirement and a feasibility study for utilization of surface water sources, including Wahiawa Reservoir.

71. Written justification be provided for any 'cushion' of 0.5 mgd.

72. The water use permit shall be an interim permit. The duration of the interim permit shall be until treated wastewater is available and acceptable for use. The permittee shall continue discussions with Honolulu Board of Water Supply regarding the use of reclaimed water.

73. The permittee is put on notice that this is a qualified approval in that this permit may be modified or revoked prior to the expiration of the interim permit if the
Commission decides that the use of additional basal ground water for dust control and landscape irrigation is not reasonable-beneficial use.

74. The permittee encouraged to use drought-tolerant landscaping to conserve water.

75. Should the applicant provide written evidence that the county DHCD approves a 201E exemption for the elderly affordable housing project then the applicant may modify a corresponding portion of their existing aquacultural use to be used by the exemption approved project within the Commission approved water use permit limits under recommendation 5.

76. The applicant shall obtain a water lease/permit from Land Division prior to actual use of the well water.

77. Require the permittee to sign a contract by May 14, 1998 with the City Department of Wastewater Management to buy and use 0.400 mgd of R-1 water for a corresponding reduction in allocation for Well Nos. 1900-02, 17 to 20, and 1901-03.

78. Standard Condition 9 is waived.

79. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

80. Standard Condition 10 is waived.

81. Applicant must seek a determination from BLNR and Land Mgt Div as to whether water license required. If required, license must be obtained prior to issuance of permit. If not, permit will be issued w/out further action.

82. Commission defers action on use in excess of 452,000 gpd pending additional info from BWS and further staff analysis.

83. The permit shall be subject to the Commission’s sustainable yield review by December 1990.

84. The Commission shall delegate to the Honolulu Board of Water Supply the authority to allocate the use of water for municipal purposes, in accordance with §174C-48(b) HRS.

85. Honolulu Board of Water Supply shall be exempt from the requirements of permit modifications as provided in §174C-57.

86. BWS must participate in discussions, to be coordinated by Commission Staff, regarding a monitoring program to address impacts to Kaneohe Bay water quality, prior to any action on applications for future municipal uses.

87. A pump installation permit application must be made and approved prior to the installation of a permanent pump.
88. The water withdrawn shall be 0.7 mgd for municipal use.

89. The installed pump capacity of the well shall not be more than 700 gpm or 1.01 mgd.

90. The term of permit shall automatically expire twelve months from the date of issuance.

91. The Honolulu Board of Water Supply may continue to submit monthly water data on their own form, provided that the data are submitted in a format that is acceptable to the Commission staff.

92. Standard Condition 7 shall not apply.

93. Standard Condition 22 shall not apply.

94. Standard Condition 10 is modified to exempt the permittee from monthly measurements of salinity and temperature.

95. This permit shall be subject to conditions providing for stream restoration if the Commission determines that additional water should be returned to the streams.

96. HECO 1 mgd for industrial use

97. Campbell Estate 1 mgd for municipal use through BWS, by separate agreement with HECO

98. BWS 1 mgd for municipal use.

99. The permit shall be subject to the Commission’s sustainable yield review by <Insert Date>.

100. The applicant shall obtain the current version of the Department of Health’s Guidelines Applicable to Golf Courses in Hawaii. Where relevant and viable, items of the guidelines should be implemented and sustained appropriately. To obtain the current version, contact the Safe Drinking Water Branch, Environmental Management Division at 808-586-4258 (Honolulu).

101. The future use portion of the application shall be deferred until existing uses in the Koolauloa area are established.

102. The water to be withdrawn under this permit shall be a total of 0.03 mgd (0.02 mgd preserved plus an additional 0.01 mgd permitted use), averaged annually, for domestic and irrigation use.

103. Existing well 1851-09 shall be properly sealed by a licensed drilling contractor. A well modification permit application, enclosed, shall be submitted to the Department for approval of the well sealing. A filing fee for sealing the well will not be required.
104. The permittee is required to test the source using a certified private laboratory and submit the test results to the Commission within three (3) months. The Commission will then forward the results to the Department of Health for their review. The Department of Health recommends that the well be routinely tested for microbiological and chemical parameters thereafter.

105. The permittee is required to submit a completed Registration of Well and Declaration of Water use by <Insert Date>.

106. The permittee shall contact the Department of Health for a written determination on the status of their water system and comply with any Department of Health requirements for monitoring and testing.

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

108. That within each aquifer the total permitted use shall not exceed the sustainable yield.

109. That any water available for allocation shall be for in-district use.

110. That scheduled reductions to Oahu Sugar Co. permitted use shall be initiated upon final termination of an Osco lease or sub-lease, whichever occurs later.

111. That permits for water use issued in accordance with the proposed schedule shall be interim permits subject to review and adjustment by 1995.

112. That the permit shall be an interim permit for a new use which is afforded to existing users as specified in §13-171-20.

113. That the original allocation of 0.200 mgd shall be taken to hearing for possible revocation at a later date to complete the transfer of the water use permit entirely to Well No. 3407-02. This revocation would reduce the current allocation afforded to the Kunihiro Well (Well No. 3406-06) to zero.

114. This allocation incorporates the unspecified domestic needs of the applicant and therefore necessitates a single meter be installed at the well.

115. Should any impacts to nearby wells or streams be established by the use of this well, the applicant shall address these issues to the satisfaction of the Commission.

116. If an economically feasible nonpotable source is identified, the applicant shall convert to the alternative nonpotable source.

117. The permit shall be subject to the Chairperson's approval of a water use plan recommending possible measures to prevent or minimize saltwater contamination and establish courses of action to follow should the aquifer become to saline to use.
118. Permittee shall provide the necessary end-use information on the 10th residence to allow regulation of the use under Chapter 174C.

119. Standard Conditions 10 & 18 shall not apply.

120. Standard Condition 10 is modified to exempt the permittee from the requirement to install a flowmeter. Salt water withdrawals may instead be estimated based on pumping capacity and run time.

121. The applicant shall review the existing year long period of pumpage and streamflow data and provide analysis on ground and surface water interaction. Deadline is January 25, 1994.

122. The water use permit for Well Nos. 2301-27 to -32 for 0.75 mgd (WUP No. 419) shall be revoked upon issuance of a pump installation permit for the well.

123. The permittee shall use mulching to decrease evaporative losses and manage irrigation scheduling to minimize water demand.

124. The permittee shall submit a detailed agricultural plan to support any future water use permit application for increased agricultural use at this parcel.

125. If not already obtained, the permittee shall seek and obtain any necessary permits from the Department of Health for the proposed discharge to Malaekahana Stream.

126. Standard Condition 10 is modified to waive the requirement for installing a water meter on Well Nos. 2358-21, 22, and 29. The permittee shall install a water meter on Well No. 2358-26 to measure total monthly flow through the discharge line. This quantity should then be assumed to be the rate of natural flow from the other three wells for monthly reporting purposes.

127. The permit shall be effective upon submittal of documentation by Navy that it has met the DOH requirements for a public system.

128. This WUP shall be subject to Army's application for a WUP to reduce the permitted use of the Army's Schofield Shaft (2901-02 to 04, 10) by 0.208 mgd to a new total of 5.648 mgd. The Army's application shall be submitted within 60 days after the approval of this WUP or this WUP shall be void. Approval of the modification request shall be obtained from the CWRM prior to use of Well No. 3100-02 and issuance of this WUP.

129. Navy shall submit an after-the-fact PIPA, and approval of the permit shall be obtained prior to use of the well.

130. The well shall not be used for drinking water purposes unless it is properly tested and treated.
131. This permit is approved subject to reclaimed water becoming a practical alternative and provided that the Department of Health approves the reuse application.

132. Should any opae ula be recovered in the well water, the permittee shall notify the Division of Aquatic Resources and provide specimens to the Division of Aquatic Resources for analysis.

133. If a single meter at the well is used, the Commission shall allow an additional 1,000 gallons per day to the water use permit amount for the domestic needs of two residences, although a permit for individual domestic consumption is not required. Otherwise, the applicant must provide a meter to separately measure the irrigation consumption.

134. This permit is approved under the requirement that conversion to either: 1) treated wastewater becoming available for reuse as an alternative supply source, provided that Department of Health concerns over the use of treated effluent over the potable water aquifer have been addressed; and/or 2) other nonpotable source becoming available will occur in a timely manner.

135. These permits shall be subject to a review of actual use within four years for possible modification of the permitted amount.

136. The permit shall be reviewed in two (2) years for possible additional revocation due to nonuse.

137. The allocation is based on the projects listed in Exhibit 5 (of Item 10 of the May 20, 1998 Staff Submittal), except for the Queen’s Beach GC (TMK 139-11-2,3), Lot 9 (TMK 139-17-51), and Varsity Place (TMK 128-24-35).

138. Kamehameha Schools Bishop Estate/Honolulu Board of Water Supply shall transfer the water use permit within ninety (90) days of the effective date of the transfer of the pump station to the Honolulu Board of Water Supply, pursuant to §174C-59 Hawaii Revised Statutes.

139. The permittee shall ensure that the water is recycled by either directing it into the Waiahole Ditch for use by downstream farmers (subject to the approval of the Agribusiness Development Corporation’s Board) or into Waikele Farm’s existing irrigation system.

140. The permittee shall file a completed application to modify WUP No. 758 to reduce the allocation by 0.100 mgd within 60 days. If a completed water use permit modification application is not received within 60 days from this submittal’s date, then the subject water use permit application (WUPA No. 767) shall be deemed denied without prejudice without the need for another hearing.

141. The water withdrawn shall be for municipal use. No improvements to the existing sources are required as the existing source capacities are greater than the increase.
142. Water license must be determined through LM.

143. Proposed other uses will be considered at a later date.
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
Honolulu, Hawaii

November 17, 1993

Chairperson and Members
Commission on Water Resource Management
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Hale Mahaolu
Application for a Water Use Permit
Home Pumehana Well (Well No. 0501-06)
Kamiloloa Ground Water Management Area, Molokai

Applicant:
Hale Mahaolu
P.O. Box 100
Kaunakakai, HI 96748

Landowner:
Hale Mahaolu, Inc.
200 Hipa Ave.
Kahului, HI 96732

Background

The applicant submitted a completed water use permit application to the Commission on September 29, 1993. Specific information regarding the source, use, notification, objections, and field investigation(s) are described in Attachment A and the attached exhibits.

Analysis & Issues

This existing source uses brackish water from the Kamiloloa Aquifer System for irrigation of five (5) acres of landscape. The applicant is requesting an allocation of 20,000 gallons per day (gpd) to continue this existing use. There is sufficient water available to accommodate this request. To date, only 0.206 million gallons per day (mgd) of the aquifer's estimated sustainable yield of 3 mgd has been allocated (about 7%; see Exhibit 1). Although there are no other pending applications for water use permits for this system at this time, the Final Report from the Molokai Working Group projects that a total of 0.26 mgd from this system will be needed for agricultural irrigation use through the year 2010 (Exhibit 2). However, the total draft supply from this system needed to satisfy current permitted uses, projected demands, and this pending request will fall well within the aquifer's sustainable yield estimate.

The only real issue is the quantity of water to be allocated. Based on existing monthly water use data provided by the applicant for an 18-month period from April 1992 through September 1993, the current actual 12-month moving average withdrawal from the source is about 5,000 gpd (see Exhibit 3). Although state and county consumption guidelines indicate a range in irrigation demand from 8,500 gpd to as much as 25,000 gpd depending on vegetative cover type, staff feels that the best estimate of actual water needs is provided by the historic record of actual withdrawals. The upward trend in computed 12-month moving average withdrawals shown in Exhibit 3 is most likely the result of drier than normal rainfall conditions experienced during the winter and spring of 1993.

This source is located within a half mile of the shoreline, and there are no other pumped wells downgradient (see Exhibit 4). Authorization to continue this reasonable and beneficial existing use of water should not result in unacceptable adverse impacts to other local wells, streams, and the Kamiloloa Aquifer System. No specific objections to
this application have been submitted to the Commission.

The Molokai Working Group has made three recommendations regarding the Southeast Sector, which encompasses the Kamiloloa Aquifer System. They are:

1. Limit groundwater withdrawal to 50% of its developable yield subject to verification of existing users and water use permits.

2. Any withdrawals from the Sector should not diminish water supplies and supply availability for traditional uses, including taro patches and fishponds.

3. Development of additional water from the Southeast Sector should be reserved first for residences of this Sector who are not yet served.

Staff finds that there is no reason to believe that this use will violate these recommendations made by the Molokai Working Group.

A final issue is that the applicant needs to submit a well completion report for his source. The well construction permit for this drilled source that was issued on September 19, 1985 was conditioned on submission of a Driller’s Well Completion Report within 60 days after completion of the well and an "as-built" drawing of the completed well. As yet, these have not been submitted although the well has been completed and in use for a number of years.

RECOMMENDATION

That the Commission approve the issuance of an interim water use permit to Hale Mahaolu to use 5,000 gallons per day of brackish water from the Home Pumehana Well (Well No. 0501-06) for landscape irrigation, subject to the standard water use permit conditions listed in Attachment B and the following special conditions:

a. The applicant may continue this existing use of ground water within the limits approved by the Commission, and the actual issuance of the interim permit shall not be a reason to interrupt this existing use.

b. A Driller’s Well Completion Report and an "as-built" drawing of the well shall be submitted to the Commission within 60 days. Failure to comply may result in fines of up to $1,000 per day as provided by HAR 13-167-10.

Respectfully submitted,

RAE M. LOUI
Deputy Director

APPROVED FOR SUBMITTAL:

KEITH W. AHUE, Chairperson
**WATER USE PERMIT DETAILED INFORMATION**

### Source Information

<table>
<thead>
<tr>
<th>Aquifer:</th>
<th>Kamiloloa System, Southeast Sector, Molokai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sustainable Yield:</td>
<td>3 mgd</td>
</tr>
<tr>
<td>Existing Water Use Permits:</td>
<td>0.206 mgd</td>
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<tr>
<td>Available Allocation:</td>
<td>2.794 mgd</td>
</tr>
<tr>
<td>Total of other pending allocations:</td>
<td>0 mgd</td>
</tr>
</tbody>
</table>

### WELL:

| Location: | Home Pumehana Well (well No. 0501-06) Hale Mahaolu, Molokai, TMK: 5-3-2:168 |
| Year Drilled: | 1985* |
| Casing Diameter: | 8 in. |

**Elevations (msl = 0 ft.)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
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<tr>
<td>Water Level:</td>
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<tr>
<td>Ground:</td>
<td>15 ft.</td>
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<tr>
<td>Bottom of Solid Casing:</td>
<td>2 ft.</td>
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<tr>
<td>Bottom of Perforated:</td>
<td>NA ft.</td>
</tr>
<tr>
<td>Bottom of Open Hole:</td>
<td>-4 ft.</td>
</tr>
</tbody>
</table>

| Total Depth: | 21 ft. |
| Grouted Annulus Depth: | 8 ft. |

* Source information, including component elevations, are based on well registration information provided by applicant.

### Use Information

Quantity Requested: 20,000 gallons per day.

Existing Type of Water Use: Irrigation of 5 acres of landscape

Place of Water Use: Hale Mahaolu, Kolapa Place at TMK: 5-3-2:168

| Reported Water Usage: | 0.005 mgd |
| Nearby Similar Water Usage: | NA gpd |
| Kamiloloa Aquifer System | 0.18 mgd |
| Current 12-Month Moving Average Withdrawal: | (6% of SY) |

ATTACHMENT A
Nearby Surrounding Wells and Other Registered Ground Water Use

There are eleven (11) other wells within a mile of the well (see Exhibit 4). Four (4) of these wells are currently in use. Information from the registration program indicates there are possibly fifty (50) existing wells in the Kamiloloa Aquifer System. Several of these wells have been initially field checked but many of the declarants, including the larger users, have not been completely field verified. Several are not in use or are rights claims. No estimate of existing groundwater withdrawals from the Kamiloloa Aquifer System as of 1990 is provided in the Maui Water Use and Development Plan, Island of Molokai. However, the 1993 Final Report from the Molokai Working Group estimates existing ground water withdrawals from this system is 0.26 mgd based on available data.

Public Notice

In accordance with HAR §13-171-17, a public notice was published in the Star-Bulletin on October 13, 1993 and October 20, 1993 and copies of the notice were sent to the Mayor’s office and the Board of Water Supply. Additional notice copies were sent to the County Council and Department of Water Supply. Copies of the completed application were sent to the Department of Health, Department of Hawaiian Home Lands, Office of Hawaiian Affairs, Aquatic Resources, Historic Preservation, and other divisions of the Department of Land and Natural Resources, and other interested parties for comments. Written comments and objections to the proposed permit were to be submitted to the Commission by November 3, 1993.

Objections/Comments

The public notice specifies that an objector meet the following requirements: (1) state property or other interest in the matter; (2) set forth questions of procedure, fact, law, or policy, to which objections are taken; (3) state all grounds for objections to the proposed permits, (4) provide a copy of the objection letter(s) to the applicant, and (5) submit objections meeting the previous requirements to the Commission by November 3, 1993.

To the best of staff's knowledge there are no objectors who have property interest within the Kamiloloa Aquifer System or who will be directly and immediately affected by the proposed water use. All objections and/or comments to the application are summarized as follows:

<table>
<thead>
<tr>
<th>Objector/Commentor</th>
<th>Objection/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAR</td>
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<tr>
<td>DOFAW</td>
<td>No comments or objections.</td>
</tr>
<tr>
<td>NARS</td>
<td>No comments or objections.</td>
</tr>
<tr>
<td>State Parks</td>
<td>No comments.</td>
</tr>
<tr>
<td>Land Management</td>
<td>No comments or objections.</td>
</tr>
<tr>
<td>DHHL</td>
<td>No objections.</td>
</tr>
<tr>
<td>OHA</td>
<td>No specific concerns.</td>
</tr>
</tbody>
</table>
Chairperson and Members  
Commission on Water Resource Management  
November 17, 1993

Maui DWS

Mayor's Office, Maui County

No comments or objections.

The County fully supports this facility and its use of water for the purposes identified is fully consistent with the County land use plans and policies. However, the requested quantity of water is excessive for the proposed use.

Briefs in Support

Responses to objections, or briefs in support, regarding the application are required to be filed with the Commission ten (10) days after an objection is filed and, presumably, copies are served to the applicant. No briefs in support were filed with the Commission.

Field Investigation

The water source and existing use was investigated on October 19, 1993. The investigation verified the existence of the registered source and declared water use that is described in this application for water use permit.

ATTACHMENT A
STANDARD WATER USE PERMIT CONDITIONS

1. The ground water described in the water use permit may only be taken from the location described, used for the reasonable-beneficial use described, and at the location described above and in the attachments. Reasonable-beneficial use means "the use of water in such a quantity as is necessary for economic and efficient utilization, for a purpose, and in a manner which is not wasteful and is both reasonable and consistent with the state and county land use plans and the public interest." (HAR §13-171-2).

2. The right to use ground water is a shared use right.

3. The water use must at all times meet the requirements set forth in HAR §13-171-13 which means that it:
   a. Can be accommodated with the available water source;
   b. Is a reasonable-beneficial use as defined in section §13-171-2;
   c. Will not interfere with any existing legal use of water;
   d. Is consistent with the public interest;
   e. Is consistent with state and county general plans and land use designations;
   f. Is consistent with county land use plans and policies; and
   g. Will not interfere with the rights of the Department of Hawaiian Home Lands as provided in section 221 of the Hawaiian Homes Commission Act and 174C-101(a), HRS.

4. The ground water use approved must not interfere with surface or ground water rights or reservations.

5. The ground water use approved must not interfere with interim or permanent instream flow standards or policies as determined by the Commission. If it does, then:
   a. A separate water use permit for surface water must be obtained in the case an area is also designated as a surface water management area;
   b. The interim or permanent instream flow standard, as applicable, must be amended.

6. The water use permit is subject to the requirements of the Hawaiian Homes Commission Act, as amended, if applicable.

7. The water use permit application and staff submittal approved by the Commission at its November 17, 1993 meeting are incorporated into the permit by reference.

8. Any modification of the permit terms, conditions, or uses can only be made with the express written consent of the Commission on Water Resource Management.

9. The water use permit may be modified by the Commission and the amount of water initially granted to the permittee may be reduced if the Commission determines it is necessary to:
   a. Protect water sources in quantity, quality, or both;
   b. Meet other legal obligations including other correlative rights;
   c. Insure adequate conservation measures;
   d. Require efficiency of water uses;
   e. Reserve water for future uses, provided that all legal existing uses of water as of June 1987, shall be protected;
   f. Meet legal obligations to the Department of Hawaiian Homes, if applicable; or
   g. Carry out such other necessary and proper exercise of the State's and the Commission's police powers under law as may be required.
Prior to any reduction, the Commission shall give notice of its proposed action to the permittee and provide the permittee an opportunity to be heard.

10. If the ground water source does not presently exist, the new well shall be completed, i.e. able to withdraw water for the proposed use on a regular basis, within twenty-four (24) months from the date the water use permit is approved.

11. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a yearly basis in accordance the Commission’s September 16, 1992 action on reporting requirements;

12. The water use permit shall be subject to the Commission’s periodic review of the applicable aquifer’s sustainable yield. The amount of ground water use authorized by the permit may be reduced by the Commission if the sustainable yield of the Manawainui Aquifer System, or relevant modified aquifer, is reduced;

13. The water use permit may not be transferred or the use rights granted by this permit sold or in any other way alienated. Pursuant to HAR §13-171-25 and the requirements of Chapter 174C, the Commission has the authority to allow the transfer of the permit and the use rights granted by the permit in a manner consistent with HAR §13-171-25. Any such transfer shall only occur with the Commission’s prior express written approval. Any sale, assignment, lease, alienation, or other transfer of any interest in this permit shall be void.

14. The use(s) authorized by law and by the water use permit do not constitute ownership rights.

15. The permittee shall comply with all applicable laws, rules, ordinances, and other agencies’ permits and conditions pertaining to water use or the water resource.

16. The permittee shall prepare and submit a water shortage plan within 30 days of issuance of the permit to assist the Commission in fulfilling HAR §13-171-42(c). The permittee’s water shortage plan shall identify what the permittee is willing to do should the Commission declare a water shortage in the Manawainui Ground Water Management Area.

17. The water use permit granted shall be an interim water use permit, pursuant to HAR §13-171-21. The final determination of the water use quantity shall be made within five years of the filing of the application to continue the existing use.

18. The water use permit shall be issued only after AG review.

19. The water use permit shall be subject to the CWRM’s establishment of instream standards and policies related to stream protection and management, as well as legislative mandates to protect stream resources.

ATTACHMENT B
## Water Use Permit Application Notice Status Report

### Island of Molokai

**Aquifer System:** KAMIKOLOA

<table>
<thead>
<tr>
<th>WELL NO</th>
<th>WELL NAME</th>
<th>PROPOSED</th>
<th>RECEIVED</th>
<th>ACKNOWLEDGED</th>
<th>ACCEPTED</th>
<th>PUBLIC 1 NOTICE DATE</th>
<th>PUBLIC 2 NOTICE DATE</th>
<th>OBJECTION DEADLINE</th>
<th>SUSPENSE</th>
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<td>12/07/92</td>
<td>12/14/92</td>
<td>12/28/92</td>
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<tr>
<td>0501-06</td>
<td>HALE MAKALU</td>
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<td>07/06/93</td>
<td>07/06/93</td>
<td>07/21/93</td>
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<tr>
<td></td>
<td>HOME PUEHEANA</td>
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<td>09/13/93</td>
<td>10/11/93</td>
<td>01/25/93</td>
<td>64</td>
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4 Applications Totaling: 0.226

**Molokai HAS 4 Applications Totaling 0.226**
Molokai Working Group

BREAKDOWN OF 2010 POTABLE WATER USE PROJECTIONS IN MGD

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<tr>
<th>CENTRAL SECTOR</th>
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<td>Kualapuu System</td>
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<td>1. County DWS</td>
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<td>2. DHHL</td>
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<td>3. Kaluakoi Resort</td>
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<td>4. Other State Projects</td>
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<td>0.11</td>
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<td>5. Palaau Industrial Park</td>
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<td>6. Others (Kualapuu, Kalae, Kipy)</td>
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<tr>
<td>Subtotal</td>
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<td>4.43</td>
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| NORTHEAST SECTOR |                   |                   |
| Kahanui System |                  |                   |
| 1. National Park Service |                  | 0.22              |
| Waikolu System |                   |                   |
| 1. DOA MIS |                     | 2.70              |

| SOUTHEAST SECTOR |                   |                   |
| Kamiloloa System |                  |                   |
| 1. Hawaiian Research |                    | 0.26              |
| Kawela System |                   |                   |
| 1. County DWS |                 | 0.32              |
| 2. Kawela Plantation |              | 0.40              |
| 3. Kamalo Ranch |                       | 0.04              |
| Subtotal |                             | 0.76              |

| Ualapue System |                   |                   |
| 1. County DWS |                 | 0.18              |
| 2. Kamalo Ranch |                | 0.22              |
| 3. Place, M. J. |                        | 0.22              |
| Subtotal |                              | 0.62              |

Alpha USA | 2.01

WEST SECTOR | 0.00

TOTAL | 11.55

1 Water development source unidentified.
OPERATION BRANCH
Commission on Water Resource Management

FROM: R J

TO: Y. SHIROMA
     F. Ching
     R. Jinnai
     M. Ohye
     I. Kunimura
     S. Swanson
     R. LOUI
     S. Kokubun
     G. MATSUMOTO
     E. SAKODA

PLEASE: See Me
        Call
        Review & Comment
        Take Action
        Investigate & Report
        Draft Reply
        Acknowledge Receipt
        Type Draft
        Type Final
        Xerox ___ copies

REMARKS: 

NOTE:
1) NO WELL COMPLETION REPORT
2) NO AS BUILT DRAWINGS
3) HEAL REPORTED THAT USERS ARE SENDING PUMPAGE DATA - NOT NECESSARY TO REPORT MONTHLY (<5 mg/l)

FOR YOUR:

Approval
Signature
Information

Call starting on this
FIELD MEMORANDUM

DECLARANT (File Reference): HALE MAHAOLA

SITE VISIT DATE: October 19, 1992

PRESENT: Mr. Oliver Kikukawa
              Sterling Chow

STATUS: Drilled well currently in use.

SOURCE(S): TMK: 5-3-2:168. USGS Kaunakakai quad (Mo-3).
             Kamiloloa aquifer. Well number 0501-06 (Home
             Pumehana) to be assigned to this well.

USE(S): TMK: 5-3-2:168. USGS Kaunakakai quad (Mo-3).
       Currently used for landscape irrigation: 10 acres
       of lawn, hedges, and trees.

FIELD NOTES:

1. Source: Drilled well with 6-inch diameter PVC casing.
          Total depth 18 feet, 7 feet from ground level to top of
          water. Water withdrawn using a 7.5 hp electric motor and
          submersible pump of unverfied capacity. Outlet pipe 3-inch
          diameter PVC.

2. Use: Water used to irrigate 10 acres of landscaped area.
       Domestic water from county system.

3. Quantity: Area irrigated 2 to 4 times per week, depending
            on rainfall. Irrigation system run 6 hours per watering
            period. No flow meter installed in system.

4. Location: Source and use, TMK: 5-3-2:168.
            Using the GPS: latitude = 21 deg 05 min 33.4 sec N
            longitude = 156 deg 01 min 01.4 sec W

5. Ownership: Land owned by County of Maui.

6. Well number 0501-06 (Home Pumehana) will be assigned to this
   well.

NOTE: NO WELL COMIUTION REPORT REPORTED
WELL DRILLING PERMIT

for

State Well No. 0501-06
Kaunakakai, Molokai

TO: Home Pumehana
P.O. Box F
Kaunakakai, Hawaii 96748

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 at TMK: 5-3-02:168 (State Well No. 0501-06) 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 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 rules, ordinances, and laws.

SUSUMU ONO
Chairperson of the Board

9/1/85
Date of Issuance

Enc. Driller's Report Form

bcc: USGS
Dept. of Health
Maui DWS
DL: ey
PERMIT TYPE: WELL (WELL, PUMP, BOTH) Island MOLOKAI
Well Number 4-0501-06 Well Name Home-Pumehana
Proposed Capacity (gpm): 97 --> equiv MGD: .14
Proposed Use (mun,dom,irr,ind,mil,oth): oth
Applicant Home Pumehana Address P.O. Box F
City Kaunakakai, HI Zip 96748
Phone ( ) - 553-5788
Application Received: 09/12/85
Application Accepted: 09/12/85 Permit Issued: 09/19/85
Permit Extended: / / --> (or if no permit issued) Permit Cancelled: / / --> (or if no permit issued)
Mapping (y/n) Pencil Plot? Y Red Penned? N
Press CNTRL-END to SAVE or ESC to QUIT without saving

THIS WELL HAS BEEN DRILLED 0501-06
BUT NO COMPLETION REPORT FOUND
WELL DRILLING PERMIT

for

State Well No. 0501-06
Kaunakakai, Molokai

TO: Home Punnaha
P.O. Box F
Kaunakakai, Hawaii 96748

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 at Tik: 5-3-02:168 (State Well No. 0501-06) 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 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 rules, ordinances, and laws.

SUSUMU ONO
Chairperson of the Board

Date of Issuance

Enc. Driller's Report Form

bcc: USGS
Dept. of Health
Maui DWS

DL:ey

CHECK
Customer Is
County Of Maui
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 Molokai  ☐ Tax Map Key 5-3-91POR-4. Attach a plot plan showing well location referenced to established property boundaries.
2. WATER USER  Home Pumehana  Telephone 553-5788
   Address P.O.Box E, Kaunakakai, HI
   Zip Code 96744
3. PROPOSED DRILLING COMPANY: Fred Page Drilling
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):

Propose to drill well to obtain water fresh enough to use for the purpose of irrigating the grasses, ground coverings, trees and shrubs in the landscaped areas of the project.

5. PROPOSED USE:  ☐ Municipal  ☐ Military  ☐ Agriculture  ☐ Industrial  ☐ Domestic  ☐ Disposal  [ ] Other (specify) irrigation of landscaping to housing project

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

7. PROPOSED PUMP OR FLOW CAPACITY: 100 gallons per minute

Barbara Fackelman, Project Manager
Signature: ___________________________ Date: 9/10/85

For Official Use:
State Well No. 0501-06
DLNR Permit No. 06744
DLNR Application No. ___________________________
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? ☐ 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 Molokai Tax Map Key 5-3-021-Port. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER: Home Pumehana

Address: P.O. Box F, Kaunakakai, HI

Telephone: 563-5788

Zip Code: 96748

3. PROPOSED DRILLING COMPANY: Fred Page Drilling

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

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

Propose to drill well to obtain water fresh enough to use for the purpose of irrigating the grasses, ground coverings, trees and shrubs in the landscaped areas of the project.

PROPOSED SECTION OF WELL

Elevation at top of casing ft. msl

Cement Grout ft.

Solid casing: Material: -----

Length ft.

Diameter in.

Wall thickness in.

Casing: ☐ Perforated ☐ Screed

Material: -----

Length ft.

Diameter in.

Wall thickness in.

Openings sq.in./L.F.

Open Hole: Length ft.

Diameter in.

5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☐ Industrial

☐ Domestic ☐ Disposal ☐ Other (specify) irrigation of landscaping in housing project

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

☐ Daily gallons ☐ Monthly 600 Thousand gallons ☐ Yearly gallons

7. PROPOSED PUMP OR FLOW CAPACITY: 100 gallons per minute

Signature: Hale-Mahaolu-Home Pumehana

Landowner of Well Site

Date: 9/10/85

For Official Use:

State Well No. O501-06

DLNR Permit No. 

DLNR Application No. 

For Official Use: