Mr. Robert Urquhart  
Castle & Cooke Properties, Inc.  

Dear Mr. Urquhart:  

Notice of Action  
REVOCATION OF WATER USE PERMIT  
Dole Cannery Wells, Well Nos. 1952-11, 13, 20, & 21 (WUP No. 20)  
Kalihi Ground Water Management Area, Oahu  

This letter serves as your official notice of action by the Commission on Water Resource Management (Commission) at their meeting on October 13, 1999 to revoke the subject water use permit, pursuant to §174C-58(4) Hawaii Revised Statutes.  

If you have any questions, please contact Lenore Nakama at [redacted].  

Sincerely,  

[Signature]  
LINNEL T. NISHIOKA  
Deputy Director  

LN:ss
PERMITTEE: Castle & Cooke Properties, Inc.

LANDOWNER: Same

BACKGROUND:

On September 11, 1981, Castle & Cooke, Inc. (Castle & Cooke) was granted an allocation for 2.0 million gallons per day (mgd) for their certified existing use for Well Nos. 1952-11, 13, 20, & 21 in the former Honolulu Ground Water Control Area for industrial, domestic, and agricultural uses.

On December 6, 1995, the Commission approved a modification to Castle & Cooke, Inc.'s permitted use for Well Nos. 1952-11, 13, 20, & 21 to reduce the allocation from 2.0 mgd to 0.175 mgd for continued industrial, domestic, and agricultural uses at the Dole Cannery site.

On September 13, 1999, the Commission received an application for a permit to abandon/seal Well Nos. 1952-11, 13, 20, & 21. This permit was approved on September 22, 1999. In the cover letter transmitting the abandonment/sealing permit, the Commission notified the permittee of the proposed revocation of WUP No. 20.
ISSUES/ANALYSIS:

The Dole Cannery site has been redeveloped into a commercial complex. The municipal system now provides water service to the site. The landowner has applied for and obtained a permit to abandon/seal Well Nos. 1952-11, 13, 20, & 21. Finally, the wells have not been used for over four (4) years; this constitutes a ground for revocation of the permit under §174C-58(4) HRS.

This submittal fulfills the hearing requirement for revocation of a water use permit.

RECOMMENDATION:

Staff recommends that the Commission:

1. Revoke the water use permit for Well Nos. 1952-11, 13, 20, & 21 (WUP No. 20).

Respectfully submitted,

LINNEL T. NISHIOKA
Deputy Director
November 10, 1997

MEMORANDUM FOR THE RECORD

FROM: Neal Fujii

SUBJECT: Castle & Cooke Kapalama Battery (Well Nos. 1952-11,13,20,21)

I spoke to Mr. Richard McCormack from Dole Fresh Fruit Company today. They have moved their processing operations to Wahiawa and no longer use the subject wells. He referred me to Castle & Cooke for information about any future plans for the wells. I spoke to Mr. Bob Urquhart who informed me that the wells are indeed unused and that there are no current plans for using the wells. I informed him about the four-year non-use condition. I forgot to mention that any change in use type would require a new water use permit. I also told him that, for the record, he should send us a letter informing us that the wells are no longer in use.
Lenore Nakama  
Hydrologist  
State of Hawaii, Commission on Water Resource Management  
P.O. Box 621  
Honolulu, HI 96809

Re: Water Shortage Plan  
Water Use Permit #20  
Wells Nos. 1952-11, 13, 20, 21  
Kalihi Ground Water Management Area, Oahu

Dear Ms. Nakama:

In addition to our letter dated June 3, 1996 (copy attached), please be advised that Castle & Cooke Properties, Inc. would attempt to reduce the amount of consumption by 15% per month for up to 3 months. The 15% would be calculated against the prior 12 months average.

The reduction in consumption would be accomplished through a conservation effort and a reduction in any irrigation.

Sincerely,

Lucien P. Wong  
President

CASTLE & COOKE PROPERTIES, INC.
Commercial Division

Enclosure
June 3, 1996

Rae M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Loui:

Re: Water Shortage Plan
Water Use Permit #20
Well Nos. 1952-11, 13, 20, 21
Kalihi Ground Water Management Area, Oahu

As required by our Water Use Permit #20, we respectfully submit the following Water Shortage Plan.

In the event that a water shortage is declared by the Commission, the Commission shall contact Castle & Cooke Properties, Inc. (CCPI) and advise that a shortage has been declared (see below for contact names and numbers). CCPI agrees to adjust consumption on a legal and equitable basis in the event of a water shortage and will cooperate with the Water Commission staff to determine an appropriate allocation.

Contacts:

Don Carp Office 548-6627
Cathy Coelho Office 548-3711
Bob Urquhart Office 548-3714

Sincerely,

CASTLE & COOKE PROPERTIES, INC.
Commercial Division

Lucien P. Wong
President

cc: Don Carp
    Cathy Coelho
    Bob Urquhart
FYI -- Because we don't have any rules for what needs to be in the individual water shortage plans, other than outlining how it will reduce its own water use in case of a shortage (13-171-42(c)), I've been telling people that the minimum requirements are 1) quantify reduction & 2) brief explanation of how reduction will be achieved. Is that OK? This is the 1st plan that limited duration of reduced usage, i.e. 3-months. Do we want to accept something like this?
to: Lenore Nakama
re: Water Shortage Plan
date: August 9, 1996
pages: 3, including cover sheet.

Attached is the draft Water Shortage plan we have been discussing recently. I think this should fulfill the Water Commissions requirements in regards to quantifying the amounts, etc.

Should you find it acceptable, I will recommend this draft to Castle & Cooke Properties, Inc. Senior Management.

Please advise.

cc: Bob Urquhart

From the desk of...

Donald C. Corp. Jr.
Project Engineer
Castle & Cooke Properties, Inc.
August 5, 1995

Lenore Nakama
Hydrologist
State of Hawaii, Commission on Water Resource Management
P.O. Box 621
Honolulu, HI 96809

Re: Water Shortage Plan
Water Use Permit #20
Wells Nos. 1952-11, 13, 20, 21
Kalili Ground Water Management Area, Oahu

Dear Ms. Nakama:

In addition to our letter dated June 3, 1996 (copy attached), please be advised that Castle & Cooke Properties, Inc. would attempt to reduce the amount of consumption by 15% per month for up to 3 months. The 15% would be calculated against the prior 12 months average.

The reduction in consumption would be accomplished through a conservation effort and a reduction in any irrigation.

Sincerely,

CASTLE & COOKE PROPERTIES, INC.
Commercial Division
June 3, 1996

Rae M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, Hawaii 96809

Dear Ms. Loui:

Re: Water Shortage Plan
Water Use Permit #20
Well Nos. 1952-11, 13, 20, 21
Kalihi Ground Water Management Area, Oahu

As required by our Water Use Permit #20, we respectfully submit the following Water Shortage Plan.

In the event that a water shortage is declared by the Commission, the Commission shall contact Castle & Cooke Properties, Inc. (CCPI) and advise that a shortage has been declared (see below for contact names and numbers). CCPI agrees to adjust consumption on a legal and equitable basis in the event of a water shortage and will cooperate with the Water Commission staff to determine an appropriate allocation.

Contacts:  
Don Carp Office 548-6627  
Cathy Coelho Office 548-3711  
Bob Urquhart Office 548-3714

Sincerely,

CASTLE & COOKE PROPERTIES, INC.
Commercial Division

cc:  
Don Carp  
Cathy Coelho  
Bob Urquhart
Mr. Lucien P. Wong
Castle & Cooke Properties, Inc.

Dear Mr. Wong:

Water Shortage Plan
Well Nos. 1952-11, 13, 20, 21 (WUP No. 20)
Kalihi Ground Water Management Area, Oahu

This is in regards to your water shortage plan for the above wells, which we received on June 4, 1996.

As was discussed with Mr. Don Carp of your office on June 4, 1996, we are requesting that you quantify the reduction in water use that may be sustained during an emergency water shortage and provide a brief description of how you plan to effect such a reduction.

The State Water Code requires the Commission to formulate a comprehensive area-wide water shortage plan that will be implemented during periods of water shortage. This is your opportunity to provide input towards deriving some plan for a water shortage situation.

If you have any questions, please contact Lenore Nakama at [redacted].

Sincerely,

[Signature]

RAE M. LOUI
Deputy Director

LN:ss
June 3, 1996

Rae M. Loui  
Deputy Director  
State of Hawaii  
Commission on Water Resource Management  
P. O. Box 621  
Honolulu, Hawaii 96809

Dear Ms. Loui:

Re: Water Shortage Plan  
Water Use Permit #20  
Well Nos. 1952-11, 13, 20, 21  
Kalihi Ground Water Management Area, Oahu

As required by our Water Use Permit #20, we respectfully submit the following Water Shortage Plan.

In the event that a water shortage is declared by the Commission, the Commission shall contact Castle & Cooke Properties, Inc. (CCPI) and advise that a shortage has been declared (see below for contact names and numbers). CCPI agrees to adjust consumption on a legal and equitable basis in the event of a water shortage and will cooperate with the Water Commission staff to determine an appropriate allocation.

Contacts:  
Don Carp Office 548-6627  
Cathy Coelho Office 548-3711  
Bob Urquhart Office 548-3714

Sincerely,

CASTLE & COOKE PROPERTIES, INC.  
Commercial Division

Lucien P. Wong  
President

cc:  
Don Carp  
Cathy Coelho  
Bob Urquhart
To: Lenore Nakama  
State of Hawaii, Commission on Water Resource Management  
P.O. Box 621  
Honolulu, HI 96809

From: Donald C. Carp, Jr.

Date: June 3, 1996

Subject: Water Use Permit #20

Transmitted is/are the following:
1 2/28/96 WUP #20, fully executed

(X) For your review and comments

( ) As requested  ( ) For your approval

( ) Please discuss with me

( ) Please handle

( ) Please return

Comments:

Please note inserted text on signature page.

cc Kevin Shaney, w/ attachment
Bob Urquhart
Mark Ito
File, Cannery Redevelopment, Iwilei Wells w/ attachment
GROUND WATER USE PERMIT
WUP NO. 20

PERMITTEE
Applicant/Water User
Address CASTLE & COOKE PROPERTIES, INC.

Landowner of Source
Address CASTLE & COOKE PROPERTIES, INC.

PERMITTED SOURCE INFORMATION
Island OAHU
Water Management Area KALIIHI
Aquifer Sector HONOLULU
Aquifer System KALIIHI
System Sustainable Yield 9 mgd
Well Name KAPALAMA BATTERY
State Well No. 1952-11,13,20,21

PERMITTED USE INFORMATION
Reasonable beneficial use DOMESTIC, AGRICULTURE, INDUSTRIAL
Withdrawal (12 month moving ave.) 0.175 mgd
Location of water use
TMK # 1-5-12
Address
State land use classification DOLE CANNERY
County zoning classification

Pursuant to Hawaii’s State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the applicant is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:

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 174C-101(a), HRS.

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 December 6, 1995 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.

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. 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 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 a monthly basis.
12. This permit shall be subject to the Commission’s periodic review of the KALIHI 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 KALIHI Aquifer System, or relevant modified aquifer(s), is reduced.

13. 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.

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

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

16. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years of 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 of forfeiture.

17. 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 KALIHI Ground Water Management Area.

18. 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 years of the filing of the application to continue the existing use.

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

20. This permit is subject to the special conditions attached as Exhibit A which are incorporated herein by reference.

21. 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.
22. The issuance of this permit was approved by the Commission on Water Resource Management at its meeting on December 6, 1995.

Michael D. Wilson, Chairperson
Commission on Water Resource Management

Date of Permit Issuance: FEB 28, 1996

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed, except to the extent noted by the asterisk (*) below.

Applicant's Signature: ___________________________ Date: 5/28/96

Printed Name: LUCIEN P. WONG, PRESIDENT

Firm or Title: CASTLE & COOKE PROPERTIES, INC.

COMMERCIAL DIVISION

* Applicant reserves all legal rights to use ground water. To the extent any condition or term of this permit contravenes Applicant's legal rights to use ground water or is inconsistent with applicable law, Applicant reserves the right to challenge such condition or term as unenforceable.

PLEASE SIGN AND RETURN ONE COPY OF THIS PERMIT TO THE COMMISSION AND RETAIN A COPY FOR YOUR RECORD.
GROUND WATER USE PERMIT
CASTLE & COOKE, Well No. 1952-1113,20,21, WUP No. 20

EXHIBIT A

Water Use Permit
Ground Water

SPECIAL CONDITIONS

A. NONE
Mr. Donald E. Carp, Jr., Project Engineer
Castle & Cooke Properties, Inc.

Dear Mr. Carp:

This is to notify you that your request for an extension of time for Castle & Cooke Properties, Inc. to submit the Water Shortage Plan, required under the terms of the water use permit for Well Nos. 1952-11, 13, 20, 21 (WUP No. 20), is hereby granted. The deadline to submit the Water Shortage Plan is extended to May 31, 1996.

Sincerely,

RAE M. LOUI
Deputy Director

LN:ss
Lenore Nakama
Hydrologist
State of Hawaii, Commission on Water Resource Management

April 22, 1996

Re: Water Use Permit
Well Nos. 1952-11, 13, 20, 21
Kalihi Ground Water Management Area, Oahu

Dear Ms. Nakama

Thank you for your time on the phone last week Thursday. As discussed, Castle & Cooke Properties, Inc. has completed a Water Shortage Plan as described in the Water Use Permit sent to us on February 28, 1996.

In preparing the Shortage Plan, however, we encountered some issues which we wish to review prior to executing the agreement. Therefore, per our discussion, we are requesting an extension until May 31, 1996.

We will, however, begin submitting the reports as required.

Sincerely,

Donald C. Carp, Jr.
Project Engineer
Lenore Nakama  
Hydrologist  
State of Hawaii, Commission on Water Resource Management  
P.O. Box 621  
Honolulu, HI 96809

Re: Water Use Permit  
Well Nos. 1952-11, 13, 20, 21  
Kailhi Ground Water Management Area, Oahu

Dear Ms. Nakama

Thank you for your time on the phone last week Thursday. As discussed, Castle & Cooke Properties, Inc. has completed a Water Shortage Plan as described in the Water Use Permit sent to us on February 28, 1996.

In preparing the Shortage Plan, however, we encountered some issues which we wish to review prior to executing the agreement. Therefore, per our discussion, we are requesting an extension until May 31, 1996.

We will, however, begin submitting the reports as required.

Sincerely,

Donald C. Carp, Jr.  
Project Engineer
CASTLE & COOKE PROPERTIES, INC.

Facsimile Transmittal Sheet

If you do not receive all pages, please call [phone number].

TO: Lenore Nakama

Commission on Water Resource Mgmt., State of Hawaii

FROM: Don Carlo

DATE: April 23, 1996

PAGES: 2 (including this transmittal sheet)

MESSAGE: Please see attached.
March 26, 1996

Ms. Rae M. Loui
Deputy Director
State of Hawaii
Commission on Water Resource Management

Dear Ms. Loui:

Per your phone conversation with Mr. Don Carp on March 25, 1996, we are finalizing the water shortage plan as described in your February 28, 1996 letter to Castle and Cooke Properties, Inc. As discussed with Mr. Carp, the wells are maintained by Dole Food Company, Inc. We are working with Dole to complete the required information, however, the person in charge of the wells, Mr. Richard McCormack, is out of town until Friday, March 29, 1996.

Thank you for allowing us a brief extension. Mr. Carp will meet with Mr. McCormack and contact you on April 1st or 2nd.

Sincerely yours,

CASTLE & COOKE PROPERTIES, INC.
Commercial Division

Robert Urquhart
Senior Project Manager
Mr. Lucien P. Wong  
Castle & Cooke Properties, Inc.

Dear Mr. Wong:

Issuance of Water Use Permit for Well Nos. 1952-11,13,20,21  
Kalihi Ground Water Management Area, Oahu

This letter serves as your official notice of the modification of the water use permit for the Kapalama Well Battery (Well Nos. 1952-11, 13, 20, 21) by action of the Commission on Water Resource Management on December 6, 1995.

Transmitted herewith is your water use permit for Well Nos. 1952-11, 13, 20, 21 for use of 0.175 million gallons per day (mgd) of water on a 12-month moving average basis. Enclosed with this letter of approval are the following:

1. Your water use permit
2. Your official monthly water use report form

Please be sure to read the conditions of your approved permit. If you accept these terms, please sign and return one copy of this permit to the Commission and retain a copy for your record.

First, you are required 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. You should make copies of the enclosed report form as needed.

Second, you are required to submit a water shortage plan to the Commission within thirty (30) days of the issuance date of this permit. Your water shortage plan simply identifies what you are willing to do should the Commission declare a water shortage situation in the Kalihi Ground Water Management Area and can be as short as a one page letter. In a water shortage situation, the Commission may require temporary reductions in pumpage from all sources. The Commission is required, by law, to formulate a plan to implement such area-wide reductions, which should accommodate, include, and be consistent with your plans. Therefore, your help, by submitting your water shortage plan, is greatly needed in formulating the Commission's overall Water Shortage Plan.

If you have any questions, please contact Rae M. Loui, Deputy Director, at 587-0214.

Aloha,

MICHAEL D. WILSON  
Chairperson

Attachments
GROUND WATER USE PERMIT
WUP NO. 20

PERMITTEE

Applicant/Water User
Address CASTLE & COOKE PROPERTIES, INC.

Landowner of Source
Address CASTLE & COOKE PROPERTIES, INC.

PERMITTED SOURCE INFORMATION

Island OAHU
Water Management Area KALIHI
Aquifer Sector HONOLULU
Aquifer System KALIHI
System Sustainable Yield 9 mgd
Well Name KAPALAMA BATTERY
State Well No. 1952-11,13,20,21

PERMITTED USE INFORMATION

Reasonable beneficial use DOMESTIC, AGRICULTURE, INDUSTRIAL
Withdrawal (12 month moving ave.) 0.175 mgd
Location of water use
TMK # 1-5-12
Address DOLE CANNERY
State land use classification
County zoning classification

Pursuant to Hawaii’s State Constitution, Article XI, Section 7, Hawaii Revised Statutes, Chapter 174C; Hawaii Administrative Rules, Chapters 13-167 through 13-171; and Hawaii decisional law and custom, the applicant is hereby authorized to use ground water from the sources and in the amount and from and upon the locations described above; subject however, to the requirements of law including but not limited to the following conditions:

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 174C-101(a), HRS.

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 December 6, 1995 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.

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. 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 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 a monthly basis.
12. This permit shall be subject to the Commission's periodic review of the KALIHI 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 KALIHI Aquifer System, or relevant modified aquifer(s), is reduced.

13. 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.

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

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

16. The permittee understands that under HRS § 174C-58(4), that partial or total nonuse, for reasons other than conservation, of the water allowed by this permit for a period of four (4) continuous years of 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 of forfeiture.

17. 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 KALIHI Ground Water Management Area.

18. 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 years of the filing of the application to continue the existing use.

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

20. This permit is subject to the special conditions attached as Exhibit A which are incorporated herein by reference.

21. 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.
22. The issuance of this permit was approved by the Commission on Water Resource Management at its meeting on December 6, 1995.

Michael D. Wilson, Chairperson
Commission on Water Resource Management
Date of Permit Issuance: FEB 28 1996

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed.

Applicant's Signature: ______________________ Date: __________

Printed Name: ________________________________

Firm or Title: __________________________________

PLEASE SIGN AND RETURN ONE COPY OF THIS PERMIT TO THE COMMISSION AND RETAIN A COPY FOR YOUR RECORD.
EXHIBIT A

Water Use Permit
Ground Water

SPECIAL CONDITIONS

A. NONE
MINUTES
FOR THE MEETING OF THE
COMMISSION ON WATER RESOURCE MANAGEMENT

DATE: December 6, 1995
TIME: 9:30 am
PLACE: Interisland Terminal Conference Center
7th Floor
Honolulu International Airport

Chairperson Michael Wilson called the meeting of the Commission on Water Resource Management to order at 10:10 a.m.

The following were in attendance:

MEMBERS: Mr. Michael Wilson
Mr. Richard Cox
Dr. Lawrence Miike
Mr. Robert Girald
Mr. David Nobriga
Mr. Herbert Richards, Jr.

STAFF: Ms. Rae Loui
Mr. Edwin Sakoda
Mr. Roy Hardy
Ms. Lyann Mizuno
Mr. David Higa
Mr. Charley Ice
Ms. Janis Uwaine

COUNSEL: Mr. William Tam

OTHERS:

Mr. Kalani Haia
Mr. Peter Aiello
Mr. Tom Nance
Mr. Hide Takahashi
Mr. Howard Hamamoto
Mr. Ronald Sakamoto
Mr. Edsel Yamada

Mr. Tim Steinberger
Mr. David Bills
Ms. Rosemary Liu
Mr. Chester Lao
Ms. Carolyn Hayashi
Ms. Karen Piltz

Ms. Jan Sullivan
Ms. Elizabeth Martin
Mr. Alan Suwa
Mr. Mark Morita
Mr. Barry Usagawa
Ms. Lola Mench
Mr. Al Chee

All written testimonies submitted at the meeting are filed in the Commission office and are available for review by interested parties. The items were not taken in the order posted on the agenda.

AGENDA 1
Item 1
ITEM 1.  MINUTES OF THE OCTOBER 18, 1995 AND OCTOBER 20, 1995 MEETINGS.

Minutes of October 18, 1995:

Amendment:

Commissioner Cox requested to have Mr. Pat Liu corrected to Ms. Pat Liu.

MOTION: (COX/GIRALD)

To approve the minutes as amended.

UNANIMOUSLY APPROVED.

Minutes of the October 20, 1995 meeting:

MOTION: (GIRALD/RICHARDS)

To approve the minutes.

UNANIMOUSLY APPROVED.

ITEM 2.  OLD BUSINESS/ANNOUNCEMENTS

None.

ITEM 3.  SCHULER HOMES, INC. APPLICATION FOR A STREAM CHANNEL ALTERATION PERMIT
Construction of Drainage Outlet Structure: Puali Stream, Puhi, Kauai (TMK 3-3-03:33)

PRESENTATION OF SUBMITTAL: Mr. David Higa.

STAFF RECOMMENDATION:

Staff recommended that the Commission approve the construction of a drainage outlet structure on Puali Stream, Puhi, Kauai for a period of two years from the date of approval, subject to the conditions listed in the staff submittal.

TESTIMONY BY APPLICANT:

Mr. David Bills of Schuler Homes, Inc. stated that they have conformed with all requirements thus far and will continue doing so.
MOTION: (COX/RICHARDS)

To approve staff's recommendation.

UNANIMOUSLY APPROVED.

ITEM 4.

HOKUKANO RANCH APPLICATION FOR WELL CONSTRUCTION PERMIT.
HOKUKANO WELL (WELL NO. 3153-01) CONSTRUCTION OF A 24-INCH DIAMETER, 2,500-FOOT DEEP WELL, KEALAKEKUA, NORTH KONA, HAWAII, TMK 7-9-1:1

PRESENTATION OF SUBMITTAL: Mr. Charley Ice

STAFF RECOMMENDATIONS:

Staff recommended that the Commission approve the issuance of a well construction permit for Hokukano Well, subject to the standard well construction permit conditions in Attachment C, as well as the following special condition:

1. The grouted annulus of the well shall be to a depth of at least 500 feet. The grouted annular space shall be at least three inches all around the casing.

MOTION: (COX/RICHARDS)

To approve staff's recommendation.

UNANIMOUSLY APPROVED.

ITEM 5.

HONOLULU BOARD OF WATER SUPPLY WAHIAWA II WELL ADDITION (WELL NO. 2902-02), WELL CONSTRUCTION: 20-INCH DIAMETER, 860-FOOT DEEP PUMP INSTALLATION: 2,100-GPM PUMP FOR DOMESTIC USE, WAHIAWA, OAHU, TMK 7-3-7-9

PRESENTATION OF SUBMITTAL: Mr. Charley Ice

STAFF RECOMMENDATION:

Staff recommended the following:

A. That the Commission approve the issuance of a well construction permit for Wahiawa II Well Addition, subject to the standard well construction permit conditions in Attachment C of the staff submittal.
B. The Commission authorize the Chairperson to approve and issue a pump installation permit for a 2,100 gpm, or less, pump, upon acceptance of adequate aquifer pump test results required in Condition 6(e), subject to the standard pump installation permits conditions in Attachment E.

MOTION: (GIRALD/NOBRIGA)

To approve staff's recommendation.

UNANIMOUSLY APPROVED AS AMENDED.

**ITEM 6.** MODIFICATION OF A WATER USE PERMIT, CASTLE & COOKE, INC., DOLE CANNERY WELLS (WELL NOS.1952-11,13,20,21), KALIHI GROUND WATER MANAGEMENT AREA, OAHU

PRESENTATION OF SUBMITTAL: Mr. Roy Hardy

STAFF RECOMMENDATION:

Staff recommended that the Commission modify Castle & Cooke, Inc.'s permitted use for Well Nos. 1952-11, 13, 20, 21 to specify an allocation for reasonable and beneficial use of 0.175 mgd for industrial, domestic, and agricultural uses at the Dole Cannery site, subject to the standard water use permit conditions listed in Attachment A.

Amendment:

Staff requested to amend number 18 of Attachment A, Standard Water Use Permit Conditions, as follows:

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

MOTION: (COX/NOBRIGA)

To approve staff's recommendation as amended.

UNANIMOUSLY APPROVED AS AMENDED.
ITEM 7. HEARING FOR REVOCATION OF WATER USE PERMITS, OAHU SUGAR COMPANY (WELL NOS. 2301-11 TO 20 & 2301-27 TO 32), THE ESTATE OF JAMES CAMPBELL (WELL NOS. 2202-01 TO 14), WAIPAHU-WAIWA GROUND WATER MANAGEMENT AREA, OAHU

PRESENTATION OF SUBMITTAL: Mr. Roy Hardy

STAFF RECOMMENDATION:

Amendment:

Staff requested to amend the staff recommendation as follows:

Staff recommends that the Commission:

1. Revoke the amounts of water not in use for the last four continuous years shown in Exhibit 3 under "4-YR NON-USE".

2. Extend the 1995 deadline for review and adjustment of the allocations for the wells shown in Exhibit 2 to December 1996 to provide additional time for the staff to complete a comprehensive review of current and projected needs in the PHGWMA.

TESTIMONY:

Mr. Kalani Haia of the Native Hawaiian Advisory Council gave oral and written testimony in support of staff's recommendation to revoke the amount of water which has not been in use for the last four year period. He urged the Commission to revoke the 6.469 mgd for non-use and asked that the Commission wait until the Waiahole Combined Contested Case Hearing is completed to re-allocate the water.

MOTION: (COX/RICHARDS)

To approve staff's recommendation as amended.

UNANIMOUSLY APPROVED AS AMENDED.

ITEM 8(a) ROYAL OAHU RESORT, INC./OAHU SUGAR CO., LTD., APPLICATION FOR A WATER USE PERMIT, WP 2 (WELL NOS. 2301-21 TO 32), TMK 9-4-2:8, MODIFICATION OF WATER USE PERMIT FOR FUTURE IRRIGATION USE FOR 0.750 MGD
Ewa Plain Water Development Corporation/The Estate of James Campbell, Application for a Well Construction/Pump Installation Permit, Honouliuli Well 7 (Well No. 2302-07), TMK 9-2-1:01, Construction of a 15-inch Diameter, 565-foot Deep Well and Installation of a 2050 gpm Pump for Future Municipal Uses, Applications for Water Use Permits, Honouliuli Wells 7,8,9 (Well Nos. 2302-07 to 09), TMK 9-2-1:01, Future Municipal Use for Total 3.360 mgd, Waipahu-Waiawa Groundwater Management Area, Oahu

PRESENTATION OF SUBMITTAL: Mr. Roy Hardy

STAFF RECOMMENDATION:

Amendment:

Staff requested to amend the staff submittal so that any reference to Puu Makakilo is deleted and corresponding updates to allocation figures in Table 1 is made accordingly.

Further, staff requested to amend the staff recommendation as follows:

Staff recommends that the Commission:

1. Deny the standing of the Native Hawaiian Advisory Council to file objections to the application by Royal Oahu Resort, Inc./Oahu Sugar Co. Ltd.

2. Find that the objection made by the Native Hawaiian Advisory Council, on behalf of the Office of Hawaii Affairs, is untimely.

3. Find that a public hearing is not required based on the grounds of the objections by the Native Hawaiian Advisory Council, on behalf of Mr. Charles Herring.

4. Approve the issuance of an interim water use permit to Royal Oahu Resort, Inc./Oahu Sugar Co., Ltd. for the reasonable and beneficial use of 0.750 mgd. of nonpotable groundwater from the Waipahu-Waiawa Aquifer System for golf course irrigation use at the Royal Oahu Resort Golf Club and 4.844 mgd for agriculture use for WP2 for agricultural use, subject to the standard water use permit conditions in Attachment B and the following special conditions:

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

b. The applicant shall notify the Commission, within thirty (30) days from the date of this submittal, which of the WP 2 batteries should be specified on the water use permit.

5. Approve the issuance of an interim water use permit to Ewa Plain Water Development Corp./The Estate of James Campbell for the reasonable and beneficial use of 1.120 mgd of fresh groundwater from the Waipahu-Waiawa Aquifer System for Honouliuli Well 7 (Well Nos. 2302-07 to 09) for municipal use, subject to the standard water use permit conditions in Attachment B.

6. Deny without prejudice the water use applications by Ewa Plain Water Development Corp./The Estate of James Campbell for Honouliuli Wells 8 & 9 (Well Nos. 2302-08 & 09).

7. Approve the issuance of a well construction permit for Honouliuli Well 7 (Well No. 2302-07) subject to the standard well construction conditions in Attachment C.

8. Authorize the Chairperson to approve and issue a pump installation permit upon acceptance of adequate aquifer pump test results, required under Condition 6.e. of the well construction permit, subject to the standard pump installation permit conditions in Attachment D.

TESTIMONY BY APPLICANT:

Mr. Randy Ouye, of Ewa Plains Gentry Homes Ltd. testified that they are running out of water. He requested that the word "interim" from staff recommendation #5 be deleted and wanted staff recommendation #6 to be deferred, rather than "deny without prejudice".

Ms. Jan Sullivan of Halekua Development testified in support of Royal Hawaiian Resort.
TESTIMONIES:

Mr. Tom Nance, consultant to EPWDC, clarified that over-pumping tests for the last two Honouliuli Wells are near completion and should be continued.

Mr. Kalani Haia of the Native Hawaiian Advisory Council (NHAC) requested to have the matter deferred until the Waiahole Ditch Contested Case hearing is completed. He also requested that the NHAC be included in any round table discussions that may be held. Mr. Haia also stated that NHAC does not object to the water use permit if there is an emergency need in the Ewa Plain.

MOTION: (COX/NOBRIGA)

To go into executive session after Item #9.

UNANIMOUSLY APPROVED.

ITEM 9

REQUEST FOR PUBLIC HEARING ON PROPOSED CHAPTER 172, HAWAII ADMINISTRATIVE RULES (HAR), HAWAIIAN WATER RIGHTS

PRESENTATION OF SUBMITTAL: Ms. Lyann Mizuno

STAFF RECOMMENDATION:

Staff requested to amend #10, under Revisions, as follows:

10. Subsection 13-172-30(b) has been added to clarify that the right to domestic water for kuleana land does not create an obligation upon any entity to provide service of that water.

Staff recommended that the Commission:

1. Resubmit the proposed Chapter 172, HAR, to the Attorney General and Governor for preliminary approval, in accordance with Administrative Directive No. 94004; and

2. Direct staff to hold a second public hearing and continue the rulemaking process.

TESTIMONIES:

Mr. Kalani Haia of the Native Hawaiian Advisory Council (NHAC) requested to have the footnote: Reppun vs. BWS replaced with PASH vs. HI County Planning. He strongly urged that the Commission meet with OHA and the Department of Hawaiian Homelands before any further steps (e.g. public hearing) are taken on the proposed rules.
BACKGROUND:

On September 11, 1981, Castle & Cooke, Inc. (Castle & Cooke) was granted an allocation for 2.0 million gallons per day (mgd) for their certified existing use for Well Nos. 1952-11,13,20,21 in the former Honolulu Ground Water Control Area for industrial, domestic, and agricultural uses.

On July 10, 1995, the Commission on Water Resource Management (Commission) received a letter from Castle & Cooke agreeing to the revocation of 1.825 mgd out of the presently permitted 2.0 mgd (Exhibit 1).

On September 29, 1995, the staff requested clarification of statements made in Castle & Cooke's letter, indicating that the revocation was subject to certain terms (Exhibit 2).

On November 2, 1995, Castle & Cooke responded that it would relinquish 1.825 mgd (Exhibit 3).

DESCRIPTION:

Well Nos. 1952-11,13,20,21 use fresh water from the Kalihi Aquifer System at the Dole Cannery site for food processing and drinking water. Castle & Cooke has indicated a current need for 0.175 mgd for ongoing food processing. The location of the wells is shown in Exhibit 4.
ANALYSIS & ISSUES:

Castle & Cooke is seeking a modification of their current permitted use of Well Nos. 1952-11,13,20,21. Pursuant to §174C-57(b) Hawaii Revised Statutes, the Commission may approve the proposed modification without the need for an application, subject to §174C-51 to §174C-56, and without a hearing, provided that "the proposed modification involves an increase in the quantity of water not exceeding an average amount per month to be established by rule" and provided that "the proposed modification would result in a more efficient utilization of water than is possible under the existing permit."

Staff finds that Castle & Cooke's request meets both of the above provisions in that 1) the proposed modification may be viewed as a negative increase, which does not exceed the 25,000 gallons per month, established in §13-171-23(b) Hawaii Administrative Rules; and 2) the proposed modification would result in a more efficient use of water.

RECOMMENDATION:

That the Commission modify Castle & Cooke, Inc.'s permitted use for Well Nos. 1952-11,13,20,21 to specify an allocation for reasonable and beneficial use of 0.175 mgd for industrial, domestic, and agricultural uses at the Dole Cannery site, subject to the standard water use permit conditions listed in Attachment A.

Respectfully submitted,

RAE M. LOUI
Deputy Director

Attachments

APPROVED FOR SUBMITTAL:

MICHAEL D. WILSON, Chairperson
STANDARD WATER USE PERMIT CONDITIONS

1. The groundwater 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 groundwater 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 groundwater use approved must not interfere with surface or groundwater rights or reservations.

5. The groundwater 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 December 6, 1995 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.

ATTACHMENT A
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 groundwater 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 monthly 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 groundwater use authorized by the permit may be reduced by the Commission if the sustainable yield of the Kalihi 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.

ATTACHMENT A
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 Kalihi Groundwater 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 subject to the Commission's establishment of instream standards and policies to Stream Protection and Management (SPAM), as well as legislative mandates to protect stream resources.
July 6, 1995

State of Hawaii
Commission on Water
Resources Management
Room 227
1151 Punchbowl Street
Honolulu, HI 96813

TO WHOM IT MAY CONCERN:

The Board of Water Supply, City and County of Honolulu, has requested that we provide certain information to the Commission:

Castle & Cooke Properties, Inc./Dole Food Company, Inc. has been working with the Board of Water Supply regarding the permitted use of 2.00 mgd for the Dole Cannery wells.

Current well usage need for ongoing food processing is .175 mgd. Iwilei redevelopment plans indicate a need for approximately .25 mgd and .25 mgd for an East Oahu development.

We agree to the revocation of 1.825 mgd out of the presently permitted 2.00 mgd for the Board of Water Supply's proposed Kapalama Wells project.

Sincerely yours,

CASTLE & COOKE PROPERTIES, INC.

Lucien P. Wong
Senior Vice President

EXHIBIT 1
Mr. Lucien P. Wong  
Castle & Cooke Properties, Inc.

Dear Mr. Wong:

This is in response to your letter, dated July 6, 1995, regarding a revocation of permitted use for the Dole Cannery Wells (Well Nos. 1952-11, 13, 20, 21).

Your letter implies that Castle & Cooke Properties, Inc./Dole Food Company, Inc.'s (Castle & Cooke) agreement to the revocation of 1.825 mgd is conditioned on the re-allocation of some or all of this quantity to the Honolulu Board of Water Supply's (BWS) proposed Kapalama Well project. For your information, §174C-59 HRS states,

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

As the type of use would necessarily change from agriculture to municipal, please be advised that Castle & Cooke's permitted use may not be "transferred" to the BWS. With regard to the granting of water use permits by the Commission, all applicants (including BWS) must establish the conditions for a water use permit, specified under §174C-49(a) HRS, have been met.

Secondly, your letter indicates a need for 0.25 mgd for Iwilei redevelopment plans and 0.25 mgd for an East Oahu development. If these projected demands will be supplied through the BWS municipal water system, then you must work with the BWS to provide for your anticipated future needs. Pursuant to §174C-48(b) HRS,

"In its regulation of water resources in designated water management areas, the commission shall delegate to the county boards of water supply the authority to allocate the use of water for municipal purposes, subject to the limits of water supply allocated to the county boards of water supply in their role as water purveyors."

EXHIBIT 2
Lastly, §174C-58(4) HRS provides for revocation of permits, after a hearing, for

"[p]artial or total nonuse, for reasons other than conservation, of the water allowed by the permit for a period of four continuous years or more...."

We have reviewed the reported monthly water usage for Well Nos. 1952-11, 13, 20, 21 and find the twelve-month moving average use of these wells has been less than 1.0 mgd for at least the last four (4) years.

In light of the above discussion, we request confirmation as to the quantity of groundwater that Castle & Cooke is agreeable to for revocation.

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

Sincerely,

RAE M. LOUI
Deputy Director

LN:ss
November 2, 1995

Ms. Rae M. Loui  
State of Hawaii - DLNR  
Commission on Water Resources Management

Re: Dole Cannery Wells (Well Nos. 1952-11, 13, 20, 21)

Dear Ms. Loui:

I am in receipt of your letter of September 29, 1995, relating to the above-mentioned subject and apologize for any confusion this may have caused. Please understand that Dole Food Company, Inc. ("Dole") does not intend to transfer its water permit for 2.0 mgd to the Board of Water Supply ("BWS").

As stated in our most recent letter to the Water Commission, dated July 6, 1995, the current well usage need for ongoing food processing is .175 mgd. Dole hereby relinquishes its permitted rights of 1.825 mgd to the Commission.

Dole and Castle & Cooke Properties, Inc. would like to work with you in turning over the unused portion of our permitted use.

Sincerely yours,

CASTLE & COOKE PROPERTIES, INC.  
DOLE FOOD COMPANY, INC.

Lucien P. Wong  
Senior Vice President  
Kevin R. Shaney  
Assistant Secretary

EXHIBIT 3
Ms. Rae M. Loui  
State of Hawaii - DLNR  
Commission on Water Resources Management

Re: Dole Cannery Wells (Well Nos. 1952-11, 13, 20, 21)

Dear Ms. Loui:

I am in receipt of your letter of September 29, 1995, relating to the above-mentioned subject and apologize for any confusion this may have caused. Please understand that Dole Food Company, Inc. ("Dole") does not intend to transfer its water permit for 2.0 mgd to the Board of Water Supply ("BWS").

As stated in our most recent letter to the Water Commission, dated July 6, 1995, the current well usage need for ongoing food processing is .175 mgd. Dole hereby relinquishes its permitted rights of 1.825 mgd to the Commission.

Dole and Castle & Cooke Properties, Inc. would like to work with you in turning over the unused portion of our permitted use.

Sincerely yours,

CASTLE & COOKE PROPERTIES, INC.

Lucien P. Wong  
Senior Vice President

DOLE FOOD COMPANY, INC.

Kevin R. Shaney  
Assistant Secretary

cc: Wally Miyahira  
Jerry Vriesenga  
Gary Slovin, Esq.  
Herbert Minakami, BWS
Mr. Lucien P. Wong
Castle & Cooke Properties, Inc.

Dear Mr. Wong:

This is in response to your letter, dated July 6, 1995, regarding a revocation of permitted use for the Dole Cannery Wells (Well Nos. 1952-11, 13, 20, 21).

Your letter implies that Castle & Cooke Properties, Inc./Dole Food Company, Inc.'s (Castle & Cooke) agreement to the revocation of 1.825 mgd is conditioned on the reallocation of some or all of this quantity to the Honolulu Board of Water Supply's (BWS) proposed Kapalama Well project. For your information, §174C-59 HRS states,

"A permit may be transferred, in whole or in part, from the permittee to another, if:

(1) The conditions of use of the permit, including, but not limited to, place, quantity, and purpose of the use, remain the same; and

(2) The Commission is informed of the transfer within ninety days."

As the type of use would necessarily change from agriculture to municipal, please be advised that Castle & Cooke's permitted use may not be "transferred" to the BWS. With regard to the granting of water use permits by the Commission, all applicants (including BWS) must establish the conditions for a water use permit, specified under §174C-49(a) HRS, have been met.

Secondly, your letter indicates a need for 0.25 mgd for Iwilei redevelopment plans and 0.25 mgd for an East Oahu development. If these projected demands will be supplied through the BWS municipal water system, then you must work with the BWS to provide for your anticipated future needs. Pursuant to §174C-48(b) HRS,

"In its regulation of water resources in designated water management areas, the commission shall delegate to the county boards of water supply the authority to allocate the use of water for municipal purposes, subject to the limits of water supply allocated to the county boards of water supply in their role as water purveyors."
Lastly, §174C-58(4) HRS provides for revocation of permits, after a hearing, for

"[p]artial or total nonuse, for reasons other than conservation, of the water allowed by
the permit for a period of four continuous years or more...."

We have reviewed the reported monthly water usage for Well Nos. 1952-11, 13, 20, 21 and find the twelve-month moving average use of these wells has been less than 1.0 mgd for at least the last four (4) years.

In light of the above discussion, we request confirmation as to the quantity of groundwater that Castle & Cooke is agreeable to for revocation.

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

Sincerely,

RAE M. LOUI
Deputy Director
Re: Dole Cannery Wells - Kalihi Aquifer

TO WHOM IT MAY CONCERN:

The Board of Water Supply, City and County of Honolulu, has requested that we provide certain information to the Commission:

Castle & Cooke Properties, Inc./Dole Food Company, Inc. has been working with the Board of Water Supply regarding the permitted use of 2.00 mgd for the Dole Cannery wells.

Current well usage need for ongoing food processing is .175 mgd. Iwilei redevelopment plans indicate a need for approximately .25 mgd and .25 mgd for an East Oahu development.

We agree to the revocation of 1.825 mgd out of the presently permitted 2.00 mgd for the Board of Water Supply’s proposed Kapalama Wells project.

Sincerely yours,

CASTLE & COOKE PROPERTIES, INC.

Lucien P. Wong
Senior Vice President
Castle & Cooke Monthly Pumpage
Kapalama Battery (1952-11,13,20,21)

- monthly pumpage
- 12-MAV
- WUP
- 12-MAV as of (9/91)
Castle & Cooke
Kapalama Battery (1952-11,13,20,&21)

1.6...
1.4...
1.2...
1.0...
0.8...
0.6...
0.4...

31-Jan-90 31-Jul-90 31-Jan-91 31-Jul-91 31-Jan-92 31-Jul-92

TIME, IN MONTHS

12-MONTH MOVING AVERAGE
Castle & Cooke
Kapalama Battery (1952-11, 13, 20 & 21)
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Water and Land Development
Honolulu, Hawaii

June 10, 1982

Chairman and Members
Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

RESUBMITAL
Terms of Water Withdrawal and Use Permits

The Department's Administrative Rules on ground water control require that the Board specify the period or duration of permits and the commencement and completion dates for the construction of ground water sources. After investigation and study of this matter, DOWALD is ready to make specific recommendations for adoption by the Board of Land and Natural Resources.

The Ground Water Use Law specifies that permits may be issued up to a maximum of 50 years and allows for extension of the permit after one-half of the permit period has lapsed. The staff is recommending that the duration of each permit be established at twenty (20) years with a review every five years by the Board to determine compliance with provisions of the permit. The staff feels that 20 years is a reasonable time for regulating ground water withdrawals and uses at this early stage of the program. As the Department gains experience in ground water regulation, the duration of the permits may be reviewed and adjusted as appropriate in the future.

On the commencement and completion dates, the staff recommends that a period of 24 months be established for completing the development of the ground water source. This construction period is a reasonable time for drilling, testing, and for the installation of permanent pumps and controls to fully bring the ground water source into operation. The period may be extended upon a showing of good cause and good faith performance. The permit and construction dates should commence on the date the permit is issued by the Department.

It is recommended that the above terms be standardized for all water withdrawal and use permits issued by the Board, subject to adjustments required by the Board for any permit.

RECOMMENDATION:

That the Board establish the terms of ground water withdrawal and use permits at 20 years from the date of issuance of the permit with a five-year Board review to determine compliance with the provisions of the permit and that the development of the ground water source be completed within 24 months from the date of permit issuance for all permits issued by the Board, subject to adjustments required by the Board for any permit.

Respectfully submitted,

ROBERT T. CHUCK
Manager-Chief Engineer

APPROVED FOR SUBMITTAL

SUSUMU ONO, Chairman

Approved by the Board of Land & Natural Resources at the meeting held on

G/10/82

ITEM D-1

B12
State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Water and Land Development  
Honolulu, Hawaii  
September 11, 1981

Chairman and Members  
Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

Gentlemen:

Certification of Ground Water Withdrawals and Uses,  
Honolulu Ground Water Control Area, Oahu

The Honolulu Ground Water Control Area was designated by the Board of Land and Natural Resources on February 27, 1981 under authority of Chapter 177, HRS, and Chapter 186 of Title 13, Administrative Rules entitled "Rules for the Control of Ground Water Use in the State of Hawaii". The Department's regulatory procedures provide for water users to declare their existing water uses within a ninety-day period which ended June 4, 1981 and allows the Board 100 days to certify the declared uses.

The recommended certification of total annual, average daily, and maximum daily withdrawals for individual wells and/or well fields is tabulated in the attachment, "Certification of Ground Water Withdrawals and Uses, Honolulu Ground Water Control Area", for the Moanalua-Kaimuki Subarea and Waialae-Hawaii Kai Subarea. A comparison of the recommended quantity for certification and the sustainable yield adopted by the Board on July 24, 1981 is tabulated below:

<table>
<thead>
<tr>
<th>Subarea</th>
<th>Sustainable Yield (mgd)</th>
<th>Recommended Certification (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moanalua-Kaimuki</td>
<td>53</td>
<td>41,827</td>
</tr>
<tr>
<td>Waialae-Hawaii Kai</td>
<td>3</td>
<td>1,100</td>
</tr>
</tbody>
</table>

The remaining ground water supplies may be withdrawn by obtaining permits from the Board of Land and Natural Resources.

RECOMMENDATION:

That the Board certify the existing withdrawals and uses for each well tabulated on the attached "Certification of Ground Water Withdrawals and Uses, Honolulu Ground Water Control Area" dated September 11, 1981, subject to any special conditions and applicable laws, rules and regulations.

Respectfully submitted,

ROBERT T. CHUCK  
Manager-Chief Engineer

APPROVED FOR SUBMITTAL:  

SUSUMU ONO, Chairman

Approved by the Board of Land & Natural Resources at the meeting held on  

ITEM D-4
# State of Hawaii

**DEPARTMENT OF LAND AND NATURAL RESOURCES**

**CERTIFICATION OF GROUND WATER WITHDRAWALS AND USES**

Honolulu Ground Water Control Area

<table>
<thead>
<tr>
<th>User/Source</th>
<th>State Well No.</th>
<th>Total Wells</th>
<th>Source Use</th>
<th>5-yr Ave Withdrawal</th>
<th>Use</th>
<th>Maximum Daily</th>
<th>Total Annual</th>
<th>Average Daily</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MOANALUA-KAIMUKI Subarea</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Board of Water Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaimuki Station</td>
<td>1748-03 to 10</td>
<td>6</td>
<td>Mun. 22.32</td>
<td>3.89</td>
<td>Mun. 14.17</td>
<td>1,246.85</td>
<td>3.68</td>
<td></td>
</tr>
<tr>
<td>Palolo Well</td>
<td>1606-01</td>
<td>1</td>
<td>Mun. 1.51</td>
<td>1.31</td>
<td>Mun. 1.70</td>
<td>476.15</td>
<td>1.31</td>
<td></td>
</tr>
<tr>
<td>Wilder Station</td>
<td>1639-13 to 16</td>
<td>4</td>
<td>Mun. 10.08</td>
<td>5.75</td>
<td>Mun. 10.08</td>
<td>2,098.75</td>
<td>5.75</td>
<td></td>
</tr>
<tr>
<td>Horatia Station</td>
<td>1851-12, 13, 24, 31 to 25, 67</td>
<td>9</td>
<td>Mun. 22.59</td>
<td>6.64</td>
<td>Mun. 18.14</td>
<td>2,423.60</td>
<td>6.64</td>
<td></td>
</tr>
<tr>
<td>Kalihi Pump</td>
<td>1952-08 to 06, 10 to 19, 22</td>
<td>8</td>
<td>Mun. 14.11</td>
<td>4.83</td>
<td>Mun. 11.82</td>
<td>1,702.95</td>
<td>4.83</td>
<td></td>
</tr>
<tr>
<td>Kalihi Shaft</td>
<td>2652-08</td>
<td>1</td>
<td>Mun. 17.28</td>
<td>5.11</td>
<td>Mun. 17.28</td>
<td>2,960.15</td>
<td>5.11</td>
<td></td>
</tr>
<tr>
<td>Monulua Station</td>
<td>2153-10 to 12</td>
<td>3</td>
<td>Mun. 0.04</td>
<td>2.29</td>
<td>Mun. 0.04</td>
<td>1,290.85</td>
<td>2.29</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal (BWS Wells)</strong></td>
<td></td>
<td>34</td>
<td></td>
<td>92.06</td>
<td>32.62</td>
<td>79.238</td>
<td>12,271.30</td>
<td>33.63</td>
</tr>
<tr>
<td><strong>Private Users</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American H.C. &amp; D.</td>
<td>2653-06</td>
<td>1</td>
<td>Ind. 0.576</td>
<td>0.139</td>
<td>Ind. 0.576</td>
<td>60.74</td>
<td>0.139</td>
<td></td>
</tr>
<tr>
<td>Army - Ft. Shafter</td>
<td>2653-10, 11</td>
<td>3</td>
<td>Dom. 3.6</td>
<td>1.035</td>
<td>Dom. 3.6</td>
<td>377.78</td>
<td>1.035</td>
<td></td>
</tr>
<tr>
<td>Army - Tripler</td>
<td>2653-07, 08</td>
<td>2</td>
<td>Ind. 1.555</td>
<td>0.669</td>
<td>Dom. 1.555</td>
<td>233.28</td>
<td>0.669</td>
<td></td>
</tr>
<tr>
<td>Bishop Trust</td>
<td>1851-26</td>
<td>1</td>
<td>Ind. 1.15</td>
<td>0.08</td>
<td>Ind. 1.15</td>
<td>21.90</td>
<td>0.08</td>
<td></td>
</tr>
<tr>
<td>Del Monte Corp.</td>
<td>1952-13</td>
<td>1</td>
<td>Ind. 1.596</td>
<td>0.244</td>
<td>Ind. 1.596</td>
<td>26.06</td>
<td>0.244</td>
<td></td>
</tr>
<tr>
<td>Hawaii Meat Co., Ltd.</td>
<td>2653-06</td>
<td>1</td>
<td>Ind. 1.044</td>
<td>0.082</td>
<td>Dom. 1.044</td>
<td>28.93</td>
<td>0.082</td>
<td></td>
</tr>
<tr>
<td>Honolulu Gas Co.</td>
<td>1952-14</td>
<td>1</td>
<td>Ind. 14.6</td>
<td>2.5</td>
<td>Ind. 14.6</td>
<td>312.50</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Honolulu Int. C.C.</td>
<td>2254-06</td>
<td>1</td>
<td>Irr. Nat. Flow</td>
<td>0.346</td>
<td>Irr. No data</td>
<td>126.29</td>
<td>0.346</td>
<td></td>
</tr>
<tr>
<td>Kamahameha Schools</td>
<td>2652-07, 11</td>
<td>2</td>
<td>Dom. 1.728</td>
<td>0.189</td>
<td>Dom. 1.728</td>
<td>68.90</td>
<td>0.189</td>
<td></td>
</tr>
<tr>
<td>Kawahalalo Church</td>
<td>1951-08</td>
<td>1</td>
<td>Irr. 0.100</td>
<td>No data</td>
<td>Irr. 0.100</td>
<td>7.30</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>Kokua Kogyo</td>
<td>1749-19</td>
<td>1</td>
<td>Dom. 0.576</td>
<td>0.336</td>
<td>Dom. 0.576</td>
<td>122.64</td>
<td>0.336</td>
<td></td>
</tr>
<tr>
<td>Love's Bakery</td>
<td>1749-19</td>
<td>1</td>
<td>Ind. No data</td>
<td>0.043</td>
<td>Ind. No data</td>
<td>15.70</td>
<td>0.043</td>
<td></td>
</tr>
<tr>
<td>MTL, Inc.</td>
<td>1851-20</td>
<td>1</td>
<td>Ind. No data</td>
<td>No data</td>
<td>Ind. No data</td>
<td>7.30</td>
<td>0.043</td>
<td></td>
</tr>
<tr>
<td><strong>Pacific Bksh Hotel</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pacific Club</td>
<td>1750-09</td>
<td>1</td>
<td>Dom. 0.043</td>
<td>No data</td>
<td>Dom. 0.043</td>
<td>14.60</td>
<td>0.043</td>
<td></td>
</tr>
<tr>
<td>Pacific Laundry</td>
<td>1851-07</td>
<td>1</td>
<td>Dom. 0.576</td>
<td>No data</td>
<td>Dom. 0.576</td>
<td>56.50</td>
<td>0.576</td>
<td></td>
</tr>
<tr>
<td>Palama Settlement</td>
<td>1952-15</td>
<td>1</td>
<td>Oth. No data</td>
<td>0.874</td>
<td>Oth. No data</td>
<td>8.76</td>
<td>0.874</td>
<td></td>
</tr>
<tr>
<td>Punahou School</td>
<td>1952-10</td>
<td>1</td>
<td>Dom. 0.720</td>
<td>0.142</td>
<td>Dom. 0.720</td>
<td>51.83</td>
<td>0.142</td>
<td></td>
</tr>
<tr>
<td>Queen's Med. Ctr.</td>
<td>1951-54</td>
<td>1</td>
<td>Dom. 1.000</td>
<td>0.027</td>
<td>Dom. 1.000</td>
<td>80.50</td>
<td>0.027</td>
<td></td>
</tr>
<tr>
<td>S.M. Damon Estate</td>
<td>2153-02</td>
<td>1</td>
<td>Oth. 0.144</td>
<td>0.011</td>
<td>Oth. 0.144</td>
<td>7.66</td>
<td>0.011</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal (Private Users)</strong></td>
<td></td>
<td>27</td>
<td></td>
<td>27.04</td>
<td>2.07</td>
<td>35.635</td>
<td>2,955.55</td>
<td>0.297</td>
</tr>
<tr>
<td><strong>TOTAL - Moanalua-Kaimuki Subarea</strong></td>
<td></td>
<td>61</td>
<td></td>
<td>137.77</td>
<td>41.27</td>
<td>114.873</td>
<td>15,266.45</td>
<td>41.827</td>
</tr>
<tr>
<td><strong>WAIALAE-HAWAII KAI Subarea</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Board of Water Supply</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aina Koa</td>
<td>1746-01</td>
<td>1</td>
<td>Mun. 0.504</td>
<td>0.40</td>
<td>Mun. 0.504</td>
<td>146.00</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>Waialae Iki Station</td>
<td>1746-02</td>
<td>1</td>
<td>Mun. 0.504</td>
<td>0.19</td>
<td>Mun. 0.504</td>
<td>68.35</td>
<td>0.19</td>
<td></td>
</tr>
<tr>
<td>Waialae Shaft</td>
<td>1747-02</td>
<td>1</td>
<td>Mun. 2.860</td>
<td>0.24</td>
<td>Mun. 2.860</td>
<td>87.60</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal (BWS Wells)</strong></td>
<td></td>
<td>3</td>
<td></td>
<td>3.38</td>
<td>0.23</td>
<td>1.696</td>
<td>302.95</td>
<td>0.23</td>
</tr>
<tr>
<td><strong>Private User</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waialae Country Club</td>
<td>1646-01</td>
<td>1</td>
<td>Irr. 0.064</td>
<td>0.270</td>
<td>Irr. 0.064</td>
<td>98.55</td>
<td>0.270</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL - Waialae-Hawaii Kai Subarea</strong></td>
<td></td>
<td>4</td>
<td></td>
<td>4.752</td>
<td>1.100</td>
<td>2.563</td>
<td>401.50</td>
<td>1.100</td>
</tr>
</tbody>
</table>

---

B9
FIELD MEMORANDUM

WELL(S) NO. 1952-11, 19, 20, 21               DATE August 4, 1981
LOCATION Dole Cannery on Iwilei Rd, Oahu, Hawaii
SUBJECT Field check of wells
PRESENT Mr. Morton Nemiroff - Dole; NI, P.S., and K.L. - KOWALD
FIELD NOTES Water from wells is used for all purposes
including drinking. There is BWS water available but it is only
used as a backup if the well water is insufficient. Valves
for wells are left open except if repairs are needed; only
then are they shut off. They have four fresh water wells
and six brackish wells. The four fresh wells are used for
all purposes and the six brackish wells are used for
cooling purposes only. One of the six brackish wells have
caused in so they are in the process of repairing it. (see photo)
No changes have been made nor do they anticipate
any changes in the four fresh water wells.

N. Imada
3/4/81
DECLARATION OF EXISTING WATER WITHDRAWAL AND USE  
Honolulu and Waialua Ground Water Control Areas

Instructions: This form must be properly completed, signed, and submitted for each individual well or connected battery of wells on or before June 4, 1981, in accordance with Regulation 9 of the Department. Submit the form with any attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

1. WATER USER: Name Castle & Cooke Foods, a Division of Castle & Cooke, Inc.  
   Mailing address:  
   Phone:  

2. WATER USER'S WELL  
   (A) CONNECTED BATTERY OF WELLS:  
   User's Well Name and Location: Dole Cannery - Brackish Water/ Tax Map Key: 1-5-11
   User's Well No. (s):  
   Pump or natural flow capacity (gpm):  
   Capacity determined by flowmeter, nameplate, orifices, etc. (specify):  
   Pump Specifications and Mead:  
   Year pump inst./modified:  
   Turbine Flowmeter:  
   Year:  

3. BENEFICIAL USE OF WATER:  
   (a) Major Use: [ ] Municipal [ ] Agriculture [ ] Military [ ] Industrial Cooling Water  
   [ ] Domestic [ ] Other (specify):  
   (b) Minor Uses:  
   (c) For Agriculture Use list crop(s) irrigated related to the well source.

4. BENEFICIALLY USED WATER WITHDRAWALS:  
   (a) All figures given in (b) are records of: [ ] Metered flow [ ] Nameplate pump capacity  
   [ ] Orifice [ ] Weir [ ] Other (specify)  
   (b) Records available (in million gallons per day, three decimal places):  

5. WELL DESCRIPTION:  
   On the attached sheet, make corrections or additions thereon in red pencil as necessary and return with Declaration form. If information is readily available in another form, you may submit it in lieu of the corrected sheet.

Declaration: Under penalties provided in Regulation 9 of the Department of Land and Natural Resources, the undersigned declare and certify that this declaration has been examined, including accompanying statements, and to the best of our knowledge and belief, it is true, correct, and complete.

Castle & Cooke Foods - Division of  
Water User: Castle & Cooke, Inc.  
(print)  
(signature)  
Date: July 15, 1981

Landowner of  
Well Site: CASTLE & COOKE, INC.  
(print)  
(signature)  
Vice President  
Date: JUL 9 1981

For Official Use: Last day to certify Amount certified WELLS No. Date certified
### Instructions:
This form must be properly completed, signed, and submitted for each individual well or connected battery of wells on or before June 4, 1981, in accordance with Regulation 9 of the Department. Submit the form with any attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

### 1. WATER USER:
- **Name:** Castle & Cooke Foods, Inc.
- **Address:**
- **Phone:**

### 2. WELL
- **Name:** Castle & Cooke Foods, Inc.
- **Location:**
- **Tax Map Key:** 1-5-12

### 3. BENEFICIAL USE OF WATER:
- **Major Use:**
  - Municipal
  - Agriculture
  - Military
  - Industrial
  - Domestic
  - Other
- **Minor Uses:**
  - Personnel
  - (specify)
- **For Agriculture Use list crop(s):**
- **Irrigated acreage:**
- **Total acreage irrigated by the well source:**

### 4. BENEFICIALLY USED WATER WITHDRAWALS:
- **All figures given in (b) are records of:**
  - Metered flow
  - Nameplate pump capacity
  - Orifice
  - weir
  - Other
- **Records available (in million gallons per day, three decimal places):**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan.</td>
<td>38,487</td>
<td>45,809</td>
<td>63,180</td>
<td>37,731</td>
<td>55,277</td>
<td>52,820</td>
<td>46,821/647</td>
</tr>
<tr>
<td>Feb.</td>
<td>34,635</td>
<td>26,539</td>
<td>21,131</td>
<td>29,806</td>
<td>31,590</td>
<td>28,298</td>
<td>30,402/697</td>
</tr>
<tr>
<td>Mar.</td>
<td>33,263</td>
<td>43,216</td>
<td>14,800</td>
<td>24,136</td>
<td>43,590</td>
<td>32,534</td>
<td>36,637/620</td>
</tr>
<tr>
<td>Apr.</td>
<td>28,241</td>
<td>41,822</td>
<td>30,919</td>
<td>28,551</td>
<td>42,059</td>
<td>32,761</td>
<td>35,078/655</td>
</tr>
<tr>
<td>May</td>
<td>61,988</td>
<td>60,589</td>
<td>53,878</td>
<td>58,078</td>
<td>76,225</td>
<td>55,774</td>
<td>61,024/745</td>
</tr>
<tr>
<td>June</td>
<td>83,579</td>
<td>137,080</td>
<td>101,245</td>
<td>102,121</td>
<td>103,504</td>
<td>90,479</td>
<td>103,011/523</td>
</tr>
<tr>
<td>July</td>
<td>126,610</td>
<td>169,680</td>
<td>134,134</td>
<td>113,899</td>
<td>118,443</td>
<td>123,174</td>
<td>131,687/424</td>
</tr>
<tr>
<td>Aug.</td>
<td>147,822</td>
<td>145,689</td>
<td>115,421</td>
<td>105,720</td>
<td>97,185</td>
<td>92,747</td>
<td>104,431/727</td>
</tr>
<tr>
<td>Sep.</td>
<td>47,941</td>
<td>90,828</td>
<td>57,020</td>
<td>48,639</td>
<td>30,418</td>
<td>45,718</td>
<td>48,789/731</td>
</tr>
<tr>
<td>Oct.</td>
<td>30,096</td>
<td>66,972</td>
<td>27,806</td>
<td>24,396</td>
<td>23,666</td>
<td>16,955</td>
<td>30,509/744</td>
</tr>
<tr>
<td>Nov.</td>
<td>37,930</td>
<td>45,032</td>
<td>27,204</td>
<td>38,087</td>
<td>29,948</td>
<td>21,788</td>
<td>41,512/922</td>
</tr>
<tr>
<td>Dec.</td>
<td>33,359</td>
<td>45,858</td>
<td>42,218</td>
<td>57,543</td>
<td>51,416</td>
<td>24,312</td>
<td>41,987/914</td>
</tr>
<tr>
<td>Yr. total</td>
<td>609,945</td>
<td>907,226</td>
<td>689,958</td>
<td>669,189</td>
<td>695,372</td>
<td>657,171</td>
<td>711,981/672</td>
</tr>
<tr>
<td>Mo. Ave</td>
<td>55,474</td>
<td>78,533</td>
<td>57,321</td>
<td>55,764</td>
<td>57,364</td>
<td>54,764</td>
<td>57,981/672</td>
</tr>
</tbody>
</table>

5-year average: 1.983 mgd, highest day use 7.717 mgd on 6/19, 1976.

### 5. WELL DESCRIPTION:
On the attached sheet, make corrections or additions thereon in red pencil as necessary and return with Declaration form. If information is readily available in another form, you may submit it in lieu of the corrected sheet.

---

Declaration: Under penalties provided in Regulation 9 of the Department of Land and Natural Resources, the undersigned declare and certify that this declaration has been examined, including accompanying statements, and to the best of our knowledge and belief, it is true, correct, and complete.

<table>
<thead>
<tr>
<th>Water User: Castle &amp; Cooke Foods, Inc.</th>
<th>Date: April 14, 1981</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Signature)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landowner of Well Site: Castle &amp; Cooke Foods, Inc.</th>
<th>Date: April 21, 1981</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Signature)</td>
<td></td>
</tr>
<tr>
<td>Vice President</td>
<td></td>
</tr>
</tbody>
</table>

For Official Use: Last day to certify

<table>
<thead>
<tr>
<th>Amount certified</th>
<th>WELL(S) No.</th>
</tr>
</thead>
</table>

---
The total volume of water drawn from the wells in 1980 is lower than any of the five previous years due in part to a program of water conservation. However, there were several other factors that contributed to this low figure, primarily:

(1) Lower fruit tonnage processed - approximately 7 percent below the previous five year average, and

(2) Temporary change in By-Products operations reduced water requirements by 11 million gallons.

There were short periods in October and November when the metering equipment was being serviced and no flows were recorded. The totals do not include water drawn from the Municipal supply.

M. Nemiroff  
4/21/81
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-20  No. 115

Name or Location: Kapalama Battery

Owner or User: Dole Corp.

Year drilled: 1927

Driller: McCandless

Ground Surface Elevation in feet referenced to mean sea level: 5

Casing Diameter in inches: 10

Total depth of well in feet: 840

Casing depth in feet: 486

Major Use:

☐ Domestic  ☐ Disposal
☐ Municipal  ☐ Unused  ☐ Lost
☐ Irrigation  ☐ Sealed  ☐ Recharge
☒ Industrial  ☐ Observation  ☐ Other (specify)

Static Water Level in feet: 26.4

Chloride content of water in milligrams/liter: 90-130 ppm

Installed pump capacity in million gallons per day: 

Average annual draft in million gallons per day: 

C
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-21 No. 116

Name or Location: Kapalama Battery

Owner or User: Dole Corp.

Year drilled: 1927

Driller: McCandless

Ground Surface Elevation in feet referenced to mean sea level: 4

Casing Diameter in inches: 10

Total depth of well in feet: 612

Casing depth in feet: 480-485

Major Use:

- Domestic
- Disposal
- Municipal
- Unused
- Lost
- Irrigation
- Sealed
- Recharge
- Industrial
- Observation
- Other (specify)

Static Water Level in feet: 26.3

Chloride content of water in milligrams/liter: 76 - 1710 90 - 130 PPM

Installed pump capacity in million gallons per day: 

Average annual draft in million gallons per day: 

WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>1962-11</th>
<th>No 117</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name or Location:</td>
<td>Kapalama Battery</td>
<td></td>
</tr>
<tr>
<td>Owner or User:</td>
<td>Pole Corp.</td>
<td></td>
</tr>
<tr>
<td>Year drilled:</td>
<td>1913</td>
<td></td>
</tr>
<tr>
<td>Driller:</td>
<td>McCandless</td>
<td></td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level:</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Casing Diameter in inches:</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Total depth of well in feet:</td>
<td>513-518</td>
<td></td>
</tr>
<tr>
<td>Casing depth in feet:</td>
<td>492-500</td>
<td></td>
</tr>
<tr>
<td>Major Use:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Domestic</td>
<td>Disposal</td>
</tr>
<tr>
<td></td>
<td>Municipal</td>
<td>Unused</td>
</tr>
<tr>
<td></td>
<td>Irrigation</td>
<td>Sealed</td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
<td>Observation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other (specify)</td>
</tr>
<tr>
<td>Static Water Level in feet:</td>
<td>26.2</td>
<td></td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter:</td>
<td>94-200 90-130 ppm</td>
<td></td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
<td>2.5</td>
<td></td>
</tr>
</tbody>
</table>
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-13 No. 118

Name or Location: Kapalama Battery

Owner or User: Pole Corp.

Year drilled: 1923

Driller: McCandless

Ground Surface Elevation in feet referenced to mean sea level: 4

Casing Diameter in inches: 10

Total depth of well in feet: 690

Casing depth in feet: 544

Major Use:

☐ Domestic  ☐ Disposal
☐ Municipal  ☐ Unused  ☐ Lost
☐ Irrigation  ☐ Sealed  ☐ Recharge
☐ Industrial  ☐ Observation  ☐ Other (specify)

Static Water Level in feet: 26.2

Chloride content of water in milligrams/liter: 73-157 90-130 PPM

Installed pump capacity in million gallons per day: 

Average annual draft in million gallons per day: 


May 6, 1981

Dole Corporation

Honolulu Ground Water Control Area

We acknowledge receipt on April 27, 1981, your Declaration of Existing Water Withdrawal and Use in the Honolulu Ground Water Control Area. Our staff will review the data and may contact you for a field inspection of your well(s) before certification of your declared water use is made by the Board of Land and Natural Resources.

We appreciate your early filing of the declaration of existing water use.

Very truly yours,

Robert T. Chuck

ROBERT T. CHUCK
Manager-Chief Engineer

ES: dh
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-31 (H6)

Name or Location: Kapalama Battery

Owner or User: Dole Corp.

Year drilled: 1954

Driller: Samson-Smock

Ground Surface Elevation in feet referenced to mean sea level:

Casing Diameter in inches: 14

Total depth of well in feet: 42

Casing depth in feet: 20

Major Use:

- Domestic
- Disposal
- Municipal
- Unused
- Lost
- Irrigation
- Sealed
- Recharge
- Industrial
- Observation
- Other (specify)

Static Water Level in feet:

Chloride content of water in milligrams/liter:

Installed pump capacity in million gallons per day:

Average annual draft in million gallons per day: Battery
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Number</td>
<td>1952-32 (#1)</td>
</tr>
<tr>
<td>Name or Location</td>
<td>Kapalama Battery</td>
</tr>
<tr>
<td>Owner or User</td>
<td>Dole Corp.</td>
</tr>
<tr>
<td>Year drilled</td>
<td>1957</td>
</tr>
<tr>
<td>Driller</td>
<td>Samson Smock</td>
</tr>
<tr>
<td>Ground Surface Elevation</td>
<td>___________</td>
</tr>
<tr>
<td>Casing Diameter</td>
<td>14</td>
</tr>
<tr>
<td>Total depth of well in feet</td>
<td>40</td>
</tr>
<tr>
<td>Casing depth in feet</td>
<td>80</td>
</tr>
<tr>
<td>Major Use</td>
<td>Domestic, Disposal, Municipal, Unused, Lost, Irrigation, Sealed, Observation, Industrial, Recharge, Other (specify)</td>
</tr>
<tr>
<td>Static Water Level</td>
<td>___________</td>
</tr>
<tr>
<td>Chloride content of water</td>
<td>___________</td>
</tr>
<tr>
<td>Installed pump capacity</td>
<td>___________</td>
</tr>
<tr>
<td>Average annual draft</td>
<td>Battery</td>
</tr>
</tbody>
</table>
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-33 (KBPL INL #3)

Name or Location: Kapalama Battery

Owner or User: Pole Corp

Year drilled: 1957

Driller: Samson Smock

Ground Surface Elevation in feet referenced to mean sea level: _________________________

Casing Diameter in inches: 14

Total depth of well in feet: 40

Casing depth in feet: 20

Major Use: □ Domestic □ Disposal  □ Municipal □ Unused □ Lost  □ Irrigation □ Sealed □ Recharge  □ Industrial □ Observation □ Other (specify) ____________

Static Water Level in feet: _________________________

Chloride content of water in milligrams/liter: _________________________

Installed pump capacity in million gallons per day: _________________________

Average annual draft in million gallons per day: ____________
July 30, 1981

Dole Corporation

Attention: Mr. M. Nemiroff

Gentlemen:

Honolulu Ground Water Control Area

We acknowledge receipt on July 17, 1981, your Declaration of Existing Water Withdrawal and Use for the six additional shallow brackish wells in the Honolulu Ground Water Control Area. Our staff will review the data and may contact you for a field inspection of your wells.

Very truly yours,

ROBERT T. CHUCK
Manager-Chief Engineer

NI:ko
March 16, 1981

Dole Corporation

On February 27, 1981, the Board of Land and Natural Resources designated the Honolulu and Waialua Districts as the Honolulu Ground Water Control Area and the Waialua Ground Water Control Area. By this action, the Department of Land and Natural Resources is now responsible for regulating all uses of ground water in these areas.

If you are currently using ground water from any well or spring source, you are required to declare such water use to the Department of Land and Natural Resources if you wish to continue your present use. Specifically, you must fill out, sign, and return the enclosed Declaration of Existing Water Withdrawal and Use form to the Department by June 4, 1981, in accordance with Regulation 9 of the Department of Land and Natural Resources.

According to our records, you have 4 well(s) located on your property (Tax Map Key ____________). Please complete the enclosed form and return it as soon as possible to: Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

If you have any questions or need help in filling out the form, please call the Division of Water and Land Development at __________.

Thank you for your cooperation.

Very truly yours,

[Signature]

SUSUMU ONO
Chairman of the Board

Enc.
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-11
Name or Location: Kapalama Battery
Owner or User: Pole Corp.
Year drilled: 1913
Driller: McCandless
Ground Surface Elevation in feet referenced to mean sea level: 5
Casing Diameter in inches: 8
Total depth of well in feet: 513
Casing depth in feet: 492

Major Use:

☐ Domestic ☐ Disposal
☐ Municipal ☐ Unused ☐ Lost
☐ Irrigation ☐ Sealed ☐ Recharge
☑ Industrial ☐ Observation ☐ Other (specify)

Static Water Level in feet: 26.2
Chloride content of water in milligrams/liter: 94-200
Installed pump capacity in million gallons per day: 
Average annual draft in million gallons per day: 2.5
**WELL INFORMATION SHEET**

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>1952-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name or Location:</td>
<td>Kapalama Battery</td>
</tr>
<tr>
<td>Owner or User:</td>
<td>Pole Corp.</td>
</tr>
<tr>
<td>Year drilled:</td>
<td>1923</td>
</tr>
<tr>
<td>Driller:</td>
<td>McCandless</td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level:</td>
<td>4</td>
</tr>
<tr>
<td>Casing Diameter in inches:</td>
<td>10</td>
</tr>
<tr>
<td>Total depth of well in feet:</td>
<td>650</td>
</tr>
<tr>
<td>Casing depth in feet:</td>
<td>590</td>
</tr>
<tr>
<td>Major Use:</td>
<td>□ Domestic □ Disposal □ Municipal □ Unused □ Lost □ Irrigation □ Sealed □ Recharge □ Industrial □ Observation □ Other (specify)</td>
</tr>
<tr>
<td>Static Water Level in feet:</td>
<td>26.2</td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter:</td>
<td>73-157</td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day:</td>
<td></td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
<td></td>
</tr>
</tbody>
</table>
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: __ 1952-20 __

Name or Location: __ Kapalama Battery __

Owner or User: __ Dole Corp. __

Year drilled: __ 1927 __

Driller: __ McCandless __

Ground Surface Elevation in feet referenced to mean sea level: __ 8 __

Casing Diameter in inches: __ 10 __

Total depth of well in feet: __ 540 __

Casing depth in feet: __ 485 __

Major Use:

☐ Domestic ☐ Disposal
☐ Municipal ☐ Unused ☐ Lost
☐ Irrigation ☐ Sealed ☐ Recharge
☐ Industrial ☐ Observation ☐ Other (specify) __

Static Water Level in feet: __ 26.4 __

Chloride content of water in milligrams/liter: __

Installed pump capacity in million gallons per day: __

Average annual draft in million gallons per day: ___
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>1992-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name or Location:</td>
<td>Kapalama Battery</td>
</tr>
<tr>
<td>Owner or User:</td>
<td>Dole Corp.</td>
</tr>
<tr>
<td>Year drilled:</td>
<td>1927</td>
</tr>
<tr>
<td>Driller:</td>
<td>McCandless</td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level:</td>
<td>4</td>
</tr>
<tr>
<td>Casing Diameter in inches:</td>
<td>10</td>
</tr>
<tr>
<td>Total depth of well in feet:</td>
<td>612</td>
</tr>
<tr>
<td>Casing depth in feet:</td>
<td>486</td>
</tr>
<tr>
<td>Major Use:</td>
<td>☑ Domestic  ☐ Disposal  ☐ Municipal  ☐ Unused  ☐ Lost  ☐ Irrigation  ☐ Sealed  ☐ Recharge  ☑ Industrial  ☐ Observation  ☐ Other (specify)</td>
</tr>
<tr>
<td>Static Water Level in feet:</td>
<td>26.3</td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter:</td>
<td>76 - 1710</td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day:</td>
<td></td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
<td></td>
</tr>
</tbody>
</table>
Mr. William Moore
Roscoe Moss Hawaii, A Division of Beylik Drilling, Inc.

Dear Mr. Moore:

Well Abandonment Report for Well Nos. 1952-11, 13, 20 & 21

We have received your corrected Well Abandonment Reports for Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20 & 21) and acknowledge that they are complete. Thank you for your attention to this matter.

The well names given in your abandonment reports differ from that shown in our records for the associated well numbers. However, based on the well depths, we have confirmed that Well Nos. 1952-11, 13, 20 & 21 are the wells described in your abandonment report. For your information, our records show the following well names and associated well numbers:

<table>
<thead>
<tr>
<th>Well Number</th>
<th>Well Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1952-11</td>
<td>Kapalama #1 (your report showed Kapalama BA #3)</td>
</tr>
<tr>
<td>1952-13</td>
<td>Kapalama #2 (your report showed Kapalama BA #4)</td>
</tr>
<tr>
<td>1952-20</td>
<td>Kapalama #3 (your report showed Kapalama BA #1)</td>
</tr>
<tr>
<td>1952-21</td>
<td>Kapalama #4 (your report showed Kapalama BA #2)</td>
</tr>
</tbody>
</table>

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

Sincerely,

LINNEL T. NISHIOKA
Deputy Director

LN:ss
TO

STATE OF HAWAII COMMISSION ON
WATER RESOURCE MANAGEMENT

DEPT. OF LAND & NATURAL RESOURCES

P.O. BOX 621
HONOLULU, HI 96809

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

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

>

COPIES | DATE | NO. | DESCRIPTION
---|---|---|---
4 | | | WELL ABANDONMENT REPORTS - CORRECTED COPIES

THESE ARE TRANSMITTED as checked below:

- [ ] For approval
- [ ] Approved as submitted
- [ ] Resubmit ______ copies for approval
- [ ] For your use
- [ ] Approved as noted
- [ ] Submit ______ copies for distribution
- [ ] As requested
- [ ] Returned for corrections
- [ ] Return ______ corrected prints
- [ ] For review and comment
- [ ] FOR BIDS DUE
- [ ] PRINTS RETURNED AFTER LOAN TO US

REMARKS: ALL WELLS WERE SEALED ON THE DATES INDICATED. WORK WAS DONE UNDER THE
SUPERVISION OF OWNER REPRESENTATIVE COMMUNITY PLANNING. THE WELLS WERE SURVEYED AND
THE VERIFIED DIMENSIONS ARE AS SHOWN. THESE WELLS WERE PLUGGED TO WITHIN 5' OF THE
SURFACE, NO LEAKAGE WAS OBSERVED OR DETECTED 120 HOURS AFTER SEALING.

WELLS WERE VERY POROUS IN THE OPEN HOLE AREA. CEMENT VOLUMES WERE LARGE
RELATIVE TO THE BORE DIAMETER AND THE LENGTH OF THE OPEN HOLE.

COPY TO: 9315/N/C FILE

SIGNED: BILL MOORE

If enclosures are not as noted, kindly notify us at once.
1. State Well No.  1952-13  Well Name KAPALAMA BA #4
2. Location/Address  
3. Contractor  BEYLIK DRILLING, INC.
4. Contractor’s C-57 License No.  C-21896
5. Name of driller who performed work  JOHN HOLE
6. Type of Rig/Construction  14 TON HYDRAULIC DRILL
7. Date of well sealing completion  1/10/00

(NOTE: Report must be submitted within 30 days after this completion date)

---

**Check Material Used**
- Grout Seal:☐ Cement
- ☑ Sand/Cement Ratio 1/1

---

**Finished Grade Elevation** 5.18 ft
**Casing Diameter** 12 in.

---

**Measured Depth of Blank Casing** 485 ft
**Total Measured Depth** 541 ft

---

**Measured Depth of Perforated Casing** NA ft
**Measured Depth of Open Hole** 540 ft

---

**Remarks:** 17.3' STATIC HEAD - 30 CUBIC YARDS TREMMIED THRU 2" PIPE

(If more space is needed, continue on back.)

**Contractor (print)**  BEYLIK DRILLING, INC.  **Title**  VICE PRESIDENT

**Signature**  [Signature]

**For Official Use:**
- Well No. 
- Longitude 
- Latitude 

**For Diller’s Use:**
- Job Name 
- Job No. 

---

*Form 815/05 ABANDON PMF*
WELL ABANDONMENT REPORT

Instructions: Please print or type and submit completed report within 30 days after sealing completion. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 1952-11
2. Well Name KAPALAMA BA #3
3. Location/Address BEYLIK DRILLING, INC.
4. Contractor's C-57 License No. C-21896
5. Name of driller who performed work JOHN MOLE
6. Type of Rig/Construction 14 TON HYDRAULIC CRANE
7. Date of well sealing completion 1/7/00
(NOTE: Report must be submitted within 30 days after this completion date)

Finished Grade Elevation 6.6 ft.

Casing Diameter 12 in.

Check Material Used
Grout Seal
- Cement
- Sand/Cement Ratio 1/1

Total Measured Depth 513 ft.

Measured Depth of Blank Casing 492 ft.

Measured Depth of Perforated Casing NA ft.

Measured Depth of Open Hole 513 ft.

Remarks: 17.3' STATIC HEAD - 25 CUBIC YARDS TREMMIED THRU 2" PIPE

For Driller's Use: Job Name Job No.

For Official Use: Well No.

6/15/95 ABANDON PMF Form
WELL ABANDONMENT REPORT

Instructions: Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analyses should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 1952-21, Well Name KAPALAMA BA #2
2. Location/Address: 
3. Contractor: BEYLIK DRILLING, INC.
4. Contractor’s C-57 License No.: C-21896
5. Name of driller who performed work: JOHN MOLE
6. Type of Rig/Construction: 14 TON HYDRAULIC CRANE
7. Date of well sealing completion: 12/10/99

(NOTE: Report must be submitted within 30 days after this completion date)

---

Finished Grade Elevation: 4.2 ft

Casing Diameter: 12 in.

Check Material Used
Grout Seal: 
- Cement
- Sand/Cement Ratio 1/1

Measured Depth of Blank Casing: 4.86 ft

Total Measured Depth: 612 ft

Measured Depth of Perforated Casing: NA ft

Measured Depth of Open Hole: 612 ft

Remarks: 17.3' STATIC HEAD - 34 CUBIC YARDS THRU 2'' TREMMIE PIPE

(if more space is needed, continue on back.)

Contractor (print): BEYLIK DRILLING, INC.
Signature: William A. Moore
Title: VICE PRESIDENT
Date: JUNE 19, 2000

For Driller’s Use:
Job Name: 
Job No.: 

For Official Use:
Well No.: 
Longitude: 
Latitude: 

8/15/95 ABANDON.PDF Form
### WELL ABANDONMENT REPORT

**State of Hawaii**  
COMMISSION ON WATER RESOURCE MANAGEMENT  
Department of Land and Natural Resources

#### Instructions:
Please print or type and submit completed report within 30 days after sealing completion of the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

#### 1. State Well No.** 1952-20**  
**Well Name:** KAPALAMA BA 61  
**Island:** OAHU

#### 2. Location/Address

#### 3. Contractor

#### 4. Contractor's C-57 License No.

#### 5. Name of driller who performed work

#### 6. Type of Rig/Construction

**14 TON HYDRAULIC CRANE**

#### 7. Date of well sealing completion

(NOTE: Report must be submitted within 30 days after this completion date)

---

<table>
<thead>
<tr>
<th>Finished Grade Elevation</th>
<th>Casing Diameter</th>
<th>12 in.</th>
</tr>
</thead>
</table>

**Check Material Used**

- **Grout Seal:**
  - □ Cement
  - □ Sand/Cement Ratio 1 : 1

**Total Measured Depth** 540 ft.

**Measured Depth of Blank Casing** 475 ft.

**Measured Depth of Perforated Casing** NA ft.

**Measured Depth of Open Hole** 530 ft.

**Remarks:** 17.3' STATIC HEAD – 44 CUBIC YARDS TREMMIED THRU 2" PIPE

(If more space is needed, continue on back.)

---

**Contractor (print):** BEYLIEK DRILLING, INC.  
**Title:** VICE PRESIDENT  
**Date:** JUNE 19, 2000

---

**For Driller's Use:**

**Job Name**

---

**For Official Use:**

**Well No.**

---

**Longitude**

---

**Latitude**
TO: STATE OF HAWAII COMMISSION ON
WATER RESOURCE MANAGEMENT

DEPT. OF LAND & NATURAL RESOURCES
P.O. BOX 621
HONOLULU, HI 96809

WE ARE SENDING YOU X Attached  □ Under separate cover via ___________________ the following items:

☐ Shop drawings  ☐ Prints  ☐ Plans  ☐ Samples  ☐ Specifications
☐ Copy of letter  ☐ Change order  ☐ ___________________

<table>
<thead>
<tr>
<th>COPIES</th>
<th>DATE</th>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>WELL ABANDONMENT REPORTS</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>SEALING PERMIT</td>
</tr>
</tbody>
</table>

THESE ARE TRANSMITTED as checked below:

☐ For approval  ☐ Approved as submitted  ☐ Resubmit ______ copies for approval
X ☐ For your use  ☐ Approved as noted  ☐ Submit ______ copies for distribution
☐ As requested  ☐ Returned for corrections  ☐ Return ______ corrected prints
☐ For review and comment  ☐ ___________________  ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

COPY TO 9315N/C FILE

SIGNED: ____________________

If enclosures are not as noted, kindly notify us at once.  BILL MOORE
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL
Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21)

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the abandonment/sealing of Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21) at Dole Cannery, Oahu, TMK 1-5-012:17, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.
2. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified.
3. The owner or operator of any well which has been determined by the department or voluntarily declared by the owner or operator to be abandoned as defined in §13-168-2, after written notification, shall be required, at owner's or operator's expense, to re-case, cement, plug back, cap, or otherwise repair the well or fill and seal the well with cement in a manner approved by the commission.
4. The well construction permit application is incorporated into this permit by reference and is subject to the Hawaii Well Construction & Pump Installation Standards (January 23, 1997; HWCPIS). If the HWCPIS are not followed and as a consequence water is wasted or contaminated, a lien on the property may result.
5. The Well Abandonment Report form (attached) shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work.
6. The permittee shall comply with all applicable laws, rules, and ordinances.
7. Special conditions in the attached cover transmittal letter are incorporated herein by reference.

Date of Approval: September 22, 1999
Expiration Date: When well is sealed in a manner acceptable to the Commission

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

× Permittee's Signature: ___________________________ Date________________________
Printed Name: ___________________________________________ Firm or Title: ___________________________
Contractor's Signature: ___________________________ License #: AC-21896 Date: 9-29-99
Printed Name: WILLIAM C. MOORE, VICE PRESIDENT Firm or Title: BEYLIK DRILLING, INC.

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

Attachment c:
USGS Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Honolulu Board of Water Supply
Mr. Robert Urquhart, Castle & Cooke Properties
WELL ABANDONMENT REPORT

State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

Instructions: Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 1952-21
2. Location/Address KAPALAMA BA 8X A
3. Contractor BEYLİK DRILLING, INC.
4. Contractor's C-57 License No. __ C-21896
5. Name of driller who performed work JOHN NOLE
6. Type of Rig/Construction 14 TON HYDRAULIC CRANE
7. Date of well sealing completion 12/10/99

(NOTE: Report must be submitted within 30 days after this completion date)

Check Material Used
Grout Seal: Cement Sand/Cement Ratio __/1

Finished Grade Elevation 4.2 ft
Casing Diameter 12 in.

Total Measured Depth 612 ft
Measured Depth of Blank Casing 486 ft
Measured Depth of Perforated Casing NA ft
Measured Depth of Open Hole 612 ft

Remarks: 17.3' STATIC HEAD - 37 CUBIC YARDS THRU 4" TREMMIE PIPE

Contractor (print) BEYLİK DRILLING, INC.
Signature Williams Moore

Title VICE PRESIDENT
Date JUNE 19, 2000

For Driller's Use:
Job Name __________ Job No. __________

For Official Use:
Well No. 1952-21
Longitude 197 52 21
Latitude 21 19 17

8/15/00 ABANDON/PNF Form
WELL ABANDONMENT REPORT

Instructions: Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 1952-11 Well Name KAPALAMA BA Island OAHU
2. Location/Address [Redacted] Tax Map Key 1-5-012:017
3. Contractor BEYLK DRILLING, INC. Island 0AHU
4. Contractor's C-57 License No. C-21896 Tax Map Key 1-5-012:017
5. Name of driller who performed work JOHN MOLE
6. Type of Rig/Construction 14 TON HYDRAULIC CRANE
7. Date of well sealing completion 1/7/00

(Note: Report must be submitted within 30 days after this completion date)

Finished Grade Elevation 6.6 ft

Casing Diameter 12 in.

Check Material Used
Grout Seal
Cement
Sand/Cement Ratio 1/1

Total Measured Depth 513 ft

Measured Depth of Blank Casing 492 ft

Measured Depth of Perforated Casing NA ft

Measured Depth of Open Hole 513 ft

Remarks: 17.3' STATIC HEAD - 28 CUBIC YARDS TREMMIED THRU 4" PIPE

(If more space is needed, continue on back.)

Contractor (print) BEYLK DRILLING, INC. Title VICE PRESIDENT
Signature [Signature] Date JUNE 19, 2000

For Driller's Use:
Job Name Job No.

For Official Use:
Well No. 1952-11
Longitude 197 92 21
Latitude 21 19 16
### WELL ABANDONMENT REPORT

**Instructions:** Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance, call the Commission Regulation Branch at 587-0225.

1. **State Well No.:** 1952-20  
   **Well Name:** KAPALAMA BA # 3
2. **Location/Address:**  
3. **Contractor:** BEYLIK DRILLING, INC.
4. **Contractor's C-57 License No.:** C-21896
5. **Name of driller who performed work:** JOHN MOLE
6. **Type of Rig/Construction:** 14 TON HYDRAULIC CRANE
7. **Date of well sealing completion:** 11/16/99
   
   (NOTE: Report must be submitted within 30 days after this completion date)

---

**Check Material Used**

- **Grout Seal:**  
  - Cement
  - Sand/Cement Ratio: 1 / 1

**Finished Grade Elevation:** 5:00 ft

**Casing Diameter:** 12 in.

**Measured Depth of Blank Casing:** 475 ft

**Total Measured Depth:** 540 ft

**Measured Depth of Perforated Casing:** NA ft

**Measured Depth of Open Hole:** 530 ft

**Remarks:** 17.3' STATIC HEAD - 41 CUBIC YARDS TRENCHED THRU 4" PIPE

(If more space is needed, continue on back.)

**Contractor (print):** BEYLIK DRILLING, INC.

**Signature:** William A. Moore

**Date:** JUNE 19, 2000

---

For Diller's Use:

- **Job Name:**  
- **Job No.:**

---

For Official Use:

- **Well No.:** 1952-20
- **Longitude:** 157° 12' 19"  
- **Latitude:** 21° 19' 17"
STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources

WELL ABANDONMENT REPORT

Instructions: Please print or type and submit completed report within 30 days after sealing completion to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. An as-built drawing of the well and chemical analysis should also be submitted. For assistance call the Commission Regulation Branch at 587-0225.

1. State Well No. 1952-13
2. Well Name KAPALAMA BA
3. Location/Address
4. Contractor BEYLK DRILLING, INC.
5. Name of driller who performed work JOHN MOLE
6. Type of Rig/Construction 14 TON HYDRAULIC DRANE
7. Date of well sealing completion 1/10/00

(NOTE: Report must be submitted within 30 days after this completion date)

Finished Grade Elevation 5.18 ft.

Casing Diameter 12 in.

Check Material Used

Grout Seal: ☑️ Cement
☐️ Sand/Cement Ratio 1/1

Total Measured Depth 541 ft.

Measured Depth of Blank Casing 485 ft.

Measured Depth of Perforated Casing NA ft.

Measured Depth of Open Hole 540 ft.

Remarks: 17.3' STATIC HEAD - 33 CUBIC YARDS TREMMIED THRU 4'' PIPE

(If more space is needed, continue on back.)

Contractor (print) BEYLK DRILLING, INC.
Signature

Title VICE PRESIDENT
Date JUNE 19, 2000

For Driller's Use:
Job Name Job No.

For Official Use:
Well No. 1952-13
Longitude 157°42'22" Latitute 21°19'17"
TO
STATE OF HAWAII
DEPARTMENT OF LAND & NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HI 96809

WE ARE SENDING YOU    Attached    □ Under separate cover via ___________________ the following items:
                      □ Shop drawings  □ Prints  □ Plans  □ Samples  □ Specifications
                      □ Copy of letter  □ Change order  □ ___________________

<table>
<thead>
<tr>
<th>COPIES</th>
<th>DATE</th>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>WELL CONSTRUCTION PERMIT TO ABANDON/SEAL KAPALAMA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>WELLS 1 TO 4 (WELL NOS. 1952-11, 13, 20 &amp; 21)</td>
</tr>
</tbody>
</table>

THese ARE TRANSMitted as checked below:

□ For approval  □ Approved as submitted  □ Resubmit ______ copies for approval
□ For your use   □ Approved as noted  □ Submit ______ copies for distribution
□ As requested   □ Returned for corrections  □ Return ______ corrected prints
□ For review and comment  □ ___________________
□ FOR BIDS DUE ____________________  □ PRINTS RETURNED AFTER LOAN TO US

REMARKS _______________________________________________________

COPY TO  9315N/C FILE

SIGNED: William C. Moore

If enclosures are not as noted, kindly notify us at once.
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL
Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21)

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the abandonment/sealing of Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21) at Dole Cannery, Oahu, TMK 1-5-012:17, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.

2. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified.

3. The owner or operator of any well which has been determined by the department or voluntarily declared by the owner or operator to be abandoned as defined in §13-168-2, after written notification, shall be required, at owner's or operator's expense, to re-case, cement, plug back, cap, or otherwise repair the well or fill and seal the well with cement in a manner approved by the commission.

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

5. The Well Abandonment Report form (attached) shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work.

6. The permittee shall comply with all applicable laws, rules, and ordinances.

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

Date of Approval: September 22, 1999
Expiration Date: When well is sealed in a manner acceptable to the Commission

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: [Signature]
Printed Name: [Name]

Contractor's Signature: [Signature]
Printed Name: [Name]

Firm or Title: [Name]
License #: [Number]
Date: [Date]

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

Attachment c:
USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Honolulu Board of Water Supply
Mr. Robert Urquhart, Castle & Cooke Properties
Mr. William Moore  
Roscoe Moss Hawaii,  

Dear Mr. Moore:

Well Construction Permit to Abandon/Seal  
Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21)

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

**Special Conditions**

1. **(NONE)**

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

   **IMPORTANT** - The well owner is responsible for all conditions of the permit. This includes ensuring that the licensed contractor, submits a completed Well Abandonment Report form (enclosed) within sixty (60) days after the well abandonment work is completed. Be advised that you may be subject to fines of up to $1000 per day for any violations of your permit conditions.

   For your information, we are also planning to submit the water use permit for these wells, WUP No. 20, for revocation at the next scheduled Commission meeting.

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

   Aloha,

   [Signature]
   TIMOTHY E. JOHNS
   Chairperson

Enclosures
WELL CONSTRUCTION PERMIT TO ABANDON/SEAL
Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21)

In accordance with Department of Land and Natural Resources, Commission on Water Resource Management's Administrative Rules, Section 13-168, entitled "Water Use, Wells, and Stream Diversion Works", this document permits the abandonment/sealing of Kapalama Wells 1 to 4 (Well Nos. 1952-11, 13, 20, & 21) at Dole Cannery, Oahu, TMK 1-5-012:17, subject to the Hawaii Well Construction & Pump Installation Standards (1/23/97) which include but are not limited to the following conditions:

1. The Chairperson of the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809, shall be notified in writing before any work covered by this permit commences.

2. The permit may be revoked by the Commission if work is not started within six (6) months after the date of approval or if work is suspended or abandoned for six (6) months, unless otherwise specified.

3. The owner or operator of any well which has been determined by the department or voluntarily declared by the owner or operator to be abandoned as defined in §13-168-2, after written notification, shall be required, at owner's or operator's expense, to re-case, cement, plug back, cap, or otherwise repair the well or fill and seal the well with cement in a manner approved by the commission.

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

5. The Well Abandonment Report form (attached) shall be submitted to the Commission on Water Resource Management within sixty (60) days after completion of the work.

6. The permittee shall comply with all applicable laws, rules, and ordinances.

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

Date of Approval: September 22, 1999
Expiration Date: When well is sealed in a manner acceptable to the Commission

I have read the conditions and terms of this permit and understand them. I accept and agree to meet these conditions as a prerequisite and underlying condition of my ability to proceed. I also understand that non-compliance with any permit condition may be grounds for revocation and fines of up to $1000 per day.

Permittee's Signature: ___________________________________________ Date: __________________________

Printed Name: ____________________________ Firm or Title: ____________________________

Contractor's Signature: ____________________________ License #: ____________________________ Date: ____________________________

Printed Name: ____________________________ Firm or Title: ____________________________

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

Attachment

USGS
Department of Health/ Safe Drinking Water, Wastewater, and Clean Water Branches
Honolulu Board of Water Supply
Mr. Robert Urquhart, Castle & Cooke Properties
<table>
<thead>
<tr>
<th>FYR</th>
<th>APPD</th>
<th>SRC/CTR</th>
<th>OBJ</th>
<th>COST</th>
<th>PROJECT</th>
<th>PH</th>
<th>ACT</th>
<th>AMOUNT</th>
<th>NAME/DESCRIPTION (Hang Input)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00000</td>
<td>C. 1026</td>
<td>0752</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(1)</td>
<td>25.00 BEYLIK DRILLING INC.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTAL</td>
<td>25.00</td>
</tr>
</tbody>
</table>

REMARKS:
LINE (1) Well No. 1952-11, 13, 20, & 21
LINE (2)
LINE (3)

---

BEYLIK DRILLING INC.
DBA ROSCOE MOSS HAWAII
91-250 A OLAI STREET
KAPOLEI, HI 96707

PAY TO THE ORDER OF DEPT. OF LAND AND NATURAL RESOURCES

$25.00

TWENTY-FIVE AND 00/100 DOLLARS

Bank of Hawaii
KAPOLEI, HI 96707

DATE 08/30/99

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW
IF NOT CORRECT, PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/30/99</td>
<td>PERMIT FOR WELL CONSTRUCTION</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

RECEIVED
99SEP13 PI:29

COMMISSION ON WATER RESOURCE MANAGEMENT
State of Hawai‘i
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

7-7-99
99-57

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 $25.00 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. (Also, please check our website at http://www.hawaii.gov/dlnr/dwrm/dwrm.html)

APPLICANT INFORMATION: (Fill out all three, if applicable, and place a check next to the primary contact)

1. (a) □ WELL OWNER
   Castle & Cooke Properties
   Contact Person: __________________________________________ Phone: _____________________________
   Fax: __________________________________________ E-mail: ____________________________________
   (b) □ LAND OWNER
   Castle & Cooke Properties
   Contact Person: __________________________________________ Phone: _____________________________
   Fax: __________________________________________ E-mail: ____________________________________
   (c) □ CONTRACTOR
   Roscoe Moss Hawaii, A Division of Castle & Cooke Properties
   Contact Person: __________________________________________ Phone: _____________________________
   Fax: __________________________________________ E-mail: ____________________________________

2. WELL LOCATION/NAME:

   Well Nos. 1, 2, 3, & 4
   Island: Oahu
   Address __________________________________________
   Tax Map Key: 1-5-012:17

   Attach the relevant portion of (a) a 7.5-Minute Series USGS topographic map (scale 1"=24,000"), and (b) a property tax map, showing well location referenced to established property boundaries.

3. PROPOSED WORK: (Check all that apply)
   (Check all that apply)
   □ Drill New Well
   □ Deepen
   □ Install New Pump
   □ Modify Existing Well
   □ Redrill
   □ Modify Pump
   □ Abandon/Seal
   * Well No. 1952-11, 13, 20, 821
   * Be sure to complete and submit well abandonment report upon completion of work.

4. CONSTRUCTION:
   □ Dug
   □ Bored
   □ Dug
   □ Radial
   □ Drilled
   □ Other (explain): Seal the Wells

5. PROPOSED PUMP INFORMATION: Rated Pump Capacity: Not Applicable gallons per minute
   Pump Type (Check one):
   □ Deep Well Turbine
   □ Rotary
   □ Submersible
   □ Rotary-Displacement
   □ Centrifugal
   □ Rotary-Gear
   □ Electric, rated horsepower:
   □ Impulse
   □ Proppeler
   □ Reciprocating
   □ Diesel
   □ Gas

6. PROPOSED USE: (Check all that apply)
   □ Municipal (including hotels, stores, etc.)
   □ Industrial
   □ Domestic (individual, noncommercial water system)
   □ No. of Dwelling Units:
   □ Irrigation (crop)
   □ No. of Acres:
   □ Military
   □ Other (explain): Seal the Wells

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: Not Applicable gallons per day
   (b) METHOD OF FLOW MEASUREMENT: □ Flowmeter □ Open-pipe □ Weir □ Orifice □ Other (explain)

8. PENDING ACTIONS:
   □ CDUA □ SMA □ EIS □ EA □ NONE □ Other (explain)


10. REMARKS, EXPLANATIONS:
    The battery of four artesian wells, which are linked together by a common manifold, will be sealed with cement grout. Since the piezometric head is about 10 feet above the top of the wells, cement will be pumped in under pressure. Roscoe Moss will install the cover and valves necessary to do this.

I understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 30 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity.

Castle & Cooke Properties, Inc.
Well Owner

Castle & Cooke Properties, Inc.
Landowner

Roscoe Moss Hawaii, A Division of Castle & Cooke Properties, Inc.
Contractor

Signature: ____________________________ Date: ____________

Signature: ____________________________ Date: ____________

Signature: ____________________________ Date: ____________

Field Checked By: ____________________________

Longitude: ____________________________ State Well No.: ____________________________

AQUIFER SYSTEM NAME: ____________________________

If Yes, No (Please describe.)

GEOLOGICAL OR HYDROGEOLOGICAL SETTING:

For Official Use Only: ____________________________

RECEIVED

For Official Use Only: ____________________________

CIRCULAR:

Field Checked By: ____________________________

Longitude: ____________________________ State Well No.: ____________________________

AQUIFER SYSTEM NAME: ____________________________
9. PROPOSED WELL SECTION

Hole Diameter: _______ in.

Minimum of 2' Radius & 4" Thick Concrete Pad

Ground Elevation: _______ ft., msl*

Minimum annular space between hole and casing > 3'

Cement Grout: _______ ft.

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

Total Depth: _______ ft.

Minimum annular space between hole and casing > 3'

Water Level Elevation: _______ ft. msl*

Rock or Gravel Packing: _______ ft.

Material: □ Crushed Basalt □ Rounded Gravel

Open Casing: □ Perforated □ Screen

Material: □ Filament Wound Resin Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

Example: Eslimaled

Well Compleion/fln: 41 x Water Level Elev. = (Water Level - 41 x Water Level Elev.)

Bottom Elevation of Well Limit = (Water Level - 41 x Water Level Elev.) = -18.5 ft.

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Level - 41 x Water Level Elev.)

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - 41 x (2)) = -18.5 ft.

Solid Casing: ≥ 90% x (Ground Elev.-Water Level Elev.)

Material: □ ASTM A242 □ Type E □ Type S □ Grade B □ Other _______

Material Standard: ________

Wall Thickness: _______ in.

Openings: _______ sq. in./ft.

Bottom Elevation: _______ ft., msl*

Open Hole:

Length: _______ ft.

Diameter: _______ in.

Bottom Elevation: _______ ft., msl*

State:

Depth: _______ ft.

Water Surface or Ground

Material:

□ Gravel I

□ Cement

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Level - 41 x Water Level Elev.)

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - 41 x (2)) = -18.5 ft.

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

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to assure that your construction plans are in compliance with all existing regulations.

Solid Casing Material:

Steel: compliant with (check one or more):

□ ANSI/WWA C200 □ API Spec. 5L □ ASTM A 53 □ ASTM A 139

And compliant with (check one or more):

□ ASTM A 242 □ Type E □ Type S □ Grade B □ Other ______

Stainless Steel: (check one):

□ ASTM A 409 □ ASTM A 312

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)

□ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)

□ Schedule 40 □ Schedule 80

Thermoset Plastic: (check one)

□ Filament Wound Resin Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

Steel: compliant with (check one or more):

□ ANSI/WWA C200 □ API Spec. 5L □ ASTM A 53 □ ASTM A 139

And compliant with (check one or more):

□ ASTM A 242 □ Type E □ Type S □ Grade B □ Other ______

Stainless Steel: (check one):

□ ASTM A 409 □ ASTM A 312

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)

□ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)

□ Schedule 40 □ Schedule 80

Thermoset Plastic: (check one)

□ Filament Wound Resin Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to assure that your construction plans are in compliance with all existing regulations.

Solid Casing: ≥ 90% x (Ground Elev.-Water Level Elev.)

Material: □ ASTM A242 □ Type E □ Type S □ Grade B □ Other ______

Material Standard: ________

Diameter: _______ in.

Wall Thickness: _______ in.

Openings: _______ sq. in./ft.

Bottom Elevation: _______ ft., msl*

Open Hole:

Length: _______ ft.

Diameter: _______ in.

Bottom Elevation: _______ ft., msl*

State:

Depth: _______ ft.

Water Surface or Ground

Material:

□ Gravel I

□ Cement

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,
Bottom Elevation of Well Limit = (Water Level - 41 x Water Level Elev.)

Example: Estimated + 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - 41 x (2)) = -18.5 ft.

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

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to assure that your construction plans are in compliance with all existing regulations.

Solid Casing Material:

Steel: compliant with (check one or more):

□ ANSI/WWA C200 □ API Spec. 5L □ ASTM A 53 □ ASTM A 139

And compliant with (check one or more):

□ ASTM A 242 □ Type E □ Type S □ Grade B □ Other ______

Stainless Steel: (check one):

□ ASTM A 409 □ ASTM A 312

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)

□ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)

□ Schedule 40 □ Schedule 80

Thermoset Plastic: (check one)

□ Filament Wound Resin Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

Steel: compliant with (check one or more):

□ ANSI/WWA C200 □ API Spec. 5L □ ASTM A 53 □ ASTM A 139

And compliant with (check one or more):

□ ASTM A 242 □ Type E □ Type S □ Grade B □ Other ______

Stainless Steel: (check one):

□ ASTM A 409 □ ASTM A 312

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one)

□ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one)

□ Schedule 40 □ Schedule 80

Thermoset Plastic: (check one)

□ Filament Wound Resin Pipe conforming to ASTM D2996

□ Centrífugally Cast Resin Pipe conforming to ASTM D2997

□ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517

□ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C950

□ PTFE Fluorocarbon Tubing conforming to ASTM D3296

□ FEP Fluorocarbon Tubing conforming to ASTM D3296

Please refer to the HAWAII WELL CONSTRUCTION AND PUMP INSTALLATION STANDARDS to assure that your construction plans are in compliance with all existing regulations.

Solid Casing: ≥ 90% x (Ground Elev.-Water Level Elev.)

Material: □ ASTM A242 □ Type E □ Type S □ Grade B □ Other ______

Material Standard: ________

Diameter: _______ in.

Wall Thickness: _______ in.

Openings: _______ sq. in./ft.

Bottom Elevation: _______ ft., msl*

Open Hole:

Length: _______ ft.

Diameter: _______ in.

Bottom Elevation: _______ ft., msl*
### DIVISION OF WATER AND LAND DEVELOPMENT

**FROM:** [Signature]  
**DATE:** 6/30  
**FILE IN:** [Blank]

<table>
<thead>
<tr>
<th>TO</th>
<th>INITIAL</th>
<th>PLEASE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. TAGOMORI</td>
<td>See Me</td>
<td>Ed, did you visit</td>
<td></td>
</tr>
<tr>
<td>G. Matsumoto</td>
<td>Take Action By</td>
<td>Mohamed? I'm not sure</td>
<td></td>
</tr>
<tr>
<td>L. Chang</td>
<td>Route to Your Branch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G. Akita</td>
<td>Review &amp; Comment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Lum</td>
<td>Draft Reply By</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. Miyamoto</td>
<td>Acknowledge Receipt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. Samuels</td>
<td>Xerox __ copies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P. Haraguchi</td>
<td>Return</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. Imada</td>
<td>File</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P. Matsuo</td>
<td>Mail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N. Kaneshiro</td>
<td>For Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R. Suzuki</td>
<td>[Signature]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. Kokubun</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Hamada</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L. Nanbu</td>
<td>XTRA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F. Ching</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PLEASE:** [Investigation]

**REMARKS:** [Investigation]
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 a well, filing fee may be waived. If "no", no filing fee is required. Filing fee is waived for federal, state, and county government agencies.

1. WELL LOCATION: Island OAHU Tax Map Key 1-5-10:10. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER CASTLE & COKE, INC. Telephone [Blank]
   Address [Blank] Zip Code [Blank]

3. PROPOSED DRILLING COMPANY: N/A

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):

SEAL AND ABANDON EXISTING WELLS (2)

5. PROPOSED USE: ☐ Municipal ☒ Military ☐ Agriculture ☒ Industrial
   ☒ Domestic ☒ Disposal ☐ Other (specify) ABANDON

6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
   ☐ Daily 25,000 gallons ☒ Monthly 1,000 gallons ☐ Yearly 25,000 gallons

7. PROPOSED PUMP OR FLOW CAPACITY: N/A 25,000 gallons per minute

Signature: [Signature]
Water User Date: 4/25/88

Signature: [Signature]
Landowner of Well Site Date: 4/25/88

For Official Use:
State Well No. [Blank]
DLNR Permit No. [Blank]
DLNR Application No. [Blank]
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 0 OAHU Tax Map Key 1-5-10:10. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER CASTLE & COOKE, INC. Telephone
Address ________ Zip Code ________

3. PROPOSED DRILLING COMPANY: N/A

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):

SEAL AND ABANDON EXISTING WELLS (2)

PROPOSED SECTION OF WELL

Elevation at top of casing ______________ ft., msl.

Cement Grout ______________ ft.

Hole Dia. ______________ in.

Total Depth ______________ ft.

Rock Packing ______________ ft.

*Approximate elev. at filing. Final elev. (msl) by a surveyor licensed by the State must be submitted at start of construction.

CAP WITH CEMENT GROUT (2' MIN)

Solid casing:

Material __________________

Length ______________ ft.

Diameter ______________ in.

Wall thickness ______________ in.

Casing: ☐ Perforated ☐ Screen

Material __________________

Length ______________ ft.

Diameter ______________ in.

Wall thickness ______________ in.

Openings ______________ sq. in./L.F.

Open Hole:

Length ______________ ft.

Diameter ______________ in.

PROPOSED USE: ☐ Municipal ☐ Military ☐ Agriculture ☑ Industrial ☐ Domestic ☐ Disposal ☐ Other (specify) ABANDON

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

☐ Daily _______ gallons ☐ Monthly _______ gallons ☐ Yearly _______ gallons

PROPOSED PUMP OR FLOW CAPACITY: N/A _______ gallons per minute

Signature: __________________________ Date: 4/25/88

Water User

Signature: __________________________ Date: 4/25/88

Landowner of Well Site

For Official Use:

State Well No. __________________

DLNR Permit No. __________________

DLNR Application No. __________________
1952 - X (56.5 cm) uploaded well-3 (in oilfield) - 1947

1952 - 6 drilled wells
well No. 6

1957 - No. 7

1952 - 29 = OCO No. 1

OCO No. 2 - 5 (cm n.)

1952 - 33 uploaded Exitt No. 3

1952 - 32 exit No. 7 No. #

1952-29 = exist 1 - 5 (ex. #3
1.2 smal)

#4 ann. # used

1952-31 = exist #6 "used"

1952-32 = exist #7 unm (1/4)

1957-33 = repl. for exist. 3 "used" 1/4 unm 11
DIVISION OF WATER RESOURCE MANAGEMENT

FROM:          DATE: 7/30

TO: INITIAL:

PLEASE:
- See Me
- Take Action By
- Route to Your Branch
- Review & Comment
- Draft Reply
- Acknowledge Receipt
- Xerox copies
- File
- Mail
- For Information

REMARKS:

Match code schedule to update with E

1953-29 & 30
29A & 29B
September 16, 1988

State of Hawaii
Department of Land and
Natural Resources
P. O. Box 621
Honolulu, Hawaii 96809

Gentlemen:

This is in reply to your letter of May 24, 1988, attached.

The work to abandon the wells has already been completed under supervision by our Project Superintendent, Mr. Paul Ross.

The condition of the well was not as shown on your report forms, but was a simpler setup employing the existing coral formation as a natural piping system. (Please see sketch attached.)

The pump was removed and each concrete sump was pushed out of the respective pit by a backhoe/loader. Each pit was backfilled.

We trust that you will find this method of abandonment satisfactory.

Very truly yours,

[Signature]
Deane R. Shephard
Vice President

DRS:en
SECTION @ BRACKISH WATER WELLS
BOLLE CAN PLANT TMK 1-5-10:10
TO: Castle & Cooke, Inc.

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to abandon two brackish caprock wells at Tax Map Key 1-5-10:10 is approved subject to the following conditions:

1. The Division of Water and Land Development (DOWALD), Geology-Hydrology Section, shall be notified at 548-7619, before any work covered by this permit commences.

2. The Well Abandonment Report form (enclosed) shall be submitted to DOWALD, P.O. Box 373, Honolulu, Hawaii 96809, within 60 days after completion of the work.

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

4. This permit may be revoked if work is not started within six months of date of issuance or if work is suspended or abandoned for six months.

Date of Issuance

Enc. (Well Abandonment Report form)

cc: USGS
    Department of Health,
    Drinking Water Program
    Ground Water Protection Program
    Honolulu BWS
HONOLULU GROUND WATER CONTROL AREA
WELL ABANDONMENT PERMIT
for
Castle & Cooke, Inc. Brackish Caprock Wells 1 & 2
Iwilei, Oahu

TO: Castle & Cooke, Inc.

In accordance with Chapter 166 of Title 13, "Rules for the Control of Ground Water Use in the State of Hawaii", your application to abandon two brackish, caprock wells at Tax Map Key 1-5-10:10 is approved subject to the following conditions:

1. The Division of Water and Land Development (DOWALD), Geology-Hydrology Section, shall be notified at 548-7619, before any work covered by this permit commences.

2. The Well Abandonment Report form (enclosed) shall be submitted to DOWALD, P.O. Box 373, Honolulu, Hawaii 96809, within 60 days after completion of the work.

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

4. This permit may be revoked if work is not started within six months of date of issuance or if work is suspended or abandoned for six months.

MAY 24 1988

WILLIAM W. PATY, Chairperson
Board of Land and Natural Resources

Date of Issuance

Enc. (Well Abandonment Report form)
cc: USGS
Department of Health,
  Drinking Water Program
  Ground Water Protection Program
  Honolulu BWS
APPLICATION FOR (check one)

☐ WELL DRILLING PERMIT ☒ WELL MODIFICATION PERMIT

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

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

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

1. WELL LOCATION: Island ☐ OAHU ☐ Maui ☐ Kauai ☐ Molokai ☐ Lanai ☐ Niihau ☐ Hanalei
   Tax Map Key _____________. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER: CASTLE & COOKE, INC. Telephone:
   Address: ____________ Zip Code: ____________

3. PROPOSED DRILLING COMPANY: N/A

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

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

      SEAL AND ABANDON EXISTING WELLS (2)

      2. Elevation at top of casing ft., msl.
      3. Solid casing:
         Material: ____________________
         Length: __________ ft.
         Diameter: __________ in.
         Wall thickness: __________ in.
         Casing: ☐ Perforated ☐ Screen
         Material: ____________________
         Length: __________ ft.
         Diameter: __________ in.
         Wall thickness: __________ in.
         Openings __________ sq. in. / L. F.

      4. Open Hole:
         Length: __________ ft.
         Diameter: __________ in.

      5. PROPOSED USE: ☐ Municipal ☐ Military ☐ Agricultural ☐ Industrial
         ☐ Disposal ☐ Other (specify) ABANDON

      6. PROPOSED AMOUNT OF WITHDRAWAL: Check most appropriate box and fill in amount.
         ☐ Daily __________ gallons ☐ Monthly __________ gallons ☐ Yearly __________ gallons

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

      Signature: ____________________ Water User: ____________________ Date: 4/25/85

      Signature: ____________________ Landowner of Well Site: ____________________ Date: 4/25/85

      For Official Use:
      State Well No. __________ DLNR Permit No. __________
      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 OAHU Tax Map Key 1-5-10:10. Attach a plot plan showing well location referenced to established property boundaries.

2. WATER USER CASTLE & COOKE, INC. Telephone

Address 680 WILEI ROAD Zip Code 96817

3. PROPOSED DRILLING COMPANY: N/A

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):

SEAL AND ABANDON EXISTING WELLS (2)

5. PROPOSED USE: ☐ Municipal ☑ Military ☐ Agriculture ☑ Industrial ☐ Domestic ☑ Disposal ☑ Other (specify) ABANDON

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

☐ Daily _______ gallons ☐ Monthly _______ gallons ☐ Yearly _______ gallons

7. PROPOSED PUMP OR FLOW CAPACITY: N/A gallons per minute

Signature: ____________________________ Date: 4/25/88

Water Use

Signature: ____________________________ Date: 4/25/88

Landowner of Well Site

For Official Use:

State Well No. ____________________________

DLNR Peace Officer ____________________________

DI David T Tsuchida AIA

Cobeen, Tsuchida & Associates, Inc.
Architects AIA
WELL LOCATION PLAN

OWNER:
CASTLE & COOKE, INC.

WELL NO. 2

WELL NO. 1

TMK: 1-5-10:10
Mr. Ed Sakoda, Geologist
Division of Water and Land Development
Department of Land and Natural Resources
1151 Punchbowl Street
Honolulu, Hawaii 96813

Dear Ed:

Pursuant to your recent request, I am transmitting a list of the public water systems and sources presently on our inventory of public water systems for the newly designated Waialua and Honolulu Groundwater Control Areas. As mentioned, a public water system as defined by Chapter 49, Public Health Regulations is any system which serves 25 or more persons 60 days per year. The enclosed list, therefore, does not include sources for water systems serving less than 25 persons.

HONOLULU GROUNDWATER CONTROL AREA

System No.  
301 Dole Pineapple Canning Water System
308 MTL Water System
312 Queen's Medical Center
319 Kamehameha Schools
323 Pacific Club
324 Punahou School
330 Sheraton Hotels

Sources No.  
USGS 1952-11
USGS 1952-13
USGS 1952-20
USGS 1952-21
USGS 1851-20
USGS 1851-11
USGS 2052-07
USGS 1851-07
USGS 1849-10
USGS 1749-19
Rev. 7/87

WATER RESOURCES & FLOOD CONTROL BRANCH
Division of Water and Land Development

FROM: Ed
DATE: 4/19/88
FILE IN: 1952-

TO: INITIAL:

PLEASE:

- See Me
- Call
- Review & Comment
- Take Action
- Investigate & Report
- Draft Reply
- Acknowledge Receipt
- Type Draft
- Type Final cc: Well No. 2 checked.
- Xerox copies
- File
- Mail

FOR YOUR

- Approval
- Signature
- Information

REMARKS:

Well No. 1 not found. Was paved-over with asphalt, carrock well.

D. Lum
E. Sakoda
D. Nakano
M. Ohye
T. Nakama
R. Jinnai
S. Miyamoto
S. Samuels
S. Chow
D. Hamada
K. Oshiro
D. Stewart
M. Tagomori
G. Akita
L. Chang
S. Kokubun

Field checked w/mgmt nemiroff - plant eng.
4/19/88
To ED

Date 4/16/88 Time 1:49

PHONE CALL RECORD
COMPLIMENTS OF

Fisher Printing Co., Inc. Ph. 537-3966

Mr./Mrs./Miss TAKASHI YOSHIDA
of OCEANIC PROP.

Phone 548-3752

Message Taken By ____________________________

☐ Phone Him ☐ Returned Your Call
☐ Urgent Call at Once ☐ Stop by to See Him
☐ Will Call Again ☐ Called in Person

Message Sealing Code Wells
coord. w/ TAK y. OCEANIC PROP.

[Handwritten Notes: ]
| FROM: Ed  | DATE: 4/19/88 | FILE IN:  |
| REMARKS:  |

<table>
<thead>
<tr>
<th>TO: INITIAL:</th>
<th>PLEASE:</th>
<th>remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. MATSUMOTO</td>
<td>See Me</td>
<td>Will be out at Dole</td>
</tr>
<tr>
<td>D. Lum</td>
<td>Call</td>
<td></td>
</tr>
<tr>
<td>E. Sakoda</td>
<td>Review &amp; Comment</td>
<td></td>
</tr>
<tr>
<td>D. Nakano</td>
<td>Take Action</td>
<td></td>
</tr>
<tr>
<td>M. Ohye</td>
<td>Investigate &amp; Report</td>
<td></td>
</tr>
<tr>
<td>T. Nakama</td>
<td>Draft Reply</td>
<td></td>
</tr>
<tr>
<td>R. Jinnai</td>
<td>Acknowledge Receipt</td>
<td></td>
</tr>
<tr>
<td>S. Miyamoto</td>
<td>Type Draft</td>
<td></td>
</tr>
<tr>
<td>S. Samuels</td>
<td>Type Final cc:</td>
<td></td>
</tr>
<tr>
<td>S. Chow</td>
<td>Xerox copies</td>
<td></td>
</tr>
<tr>
<td>D. Hamada</td>
<td>File</td>
<td></td>
</tr>
<tr>
<td>K. Oshiro</td>
<td>Mail</td>
<td></td>
</tr>
<tr>
<td>D. Stewart</td>
<td>sealed</td>
<td></td>
</tr>
<tr>
<td>M. Tagomori</td>
<td>FOR YOUR</td>
<td></td>
</tr>
<tr>
<td>G. Akita</td>
<td>Approval</td>
<td></td>
</tr>
<tr>
<td>L. Chang</td>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>S. Kokubun</td>
<td>Information</td>
<td></td>
</tr>
</tbody>
</table>
Cobeen, Tsuchida & Associates, inc.
Architects A.I.A.

210 Ward Ave., Suite 240, Honolulu, Hawaii 96814  (808) 523-8181
Message: ABANDONMENT 2 wells

J. WELL (C & C)

4" Dia. - Blackish

5.14' H.
1.04 Bbl.

Message Taken By: ________________

Phone: 537-3966

Date: 4/18/88
Time: 8:45

To: ______________________

Phone Call Record
Compliments of
Fisher Printing Co., Inc.
Ph. 537-3966

Mr./Mrs./Miss: Tony

Phone:

☐ Phone Him
☐ Returned Your Call

☐ Urgent Call at Once
☐ Stop by to See Him

☐ Will Call Again
☐ Called in Person
**WELL INFORMATION SHEET**

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Well Number:</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name or Location:</td>
<td>BRACKISH WATER SUPPLY</td>
</tr>
<tr>
<td>Owner or User:</td>
<td>CASTLE &amp; COOK FOODS - JOLE HONOLULU MFG</td>
</tr>
<tr>
<td>Year drilled:</td>
<td>1947</td>
</tr>
<tr>
<td>Driller:</td>
<td>SAMSON - SMOCK</td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level:</td>
<td>+4.5</td>
</tr>
<tr>
<td>Casing Diameter in inches:</td>
<td>13 0.0</td>
</tr>
<tr>
<td>Total depth of well in feet:</td>
<td>APPROX 40</td>
</tr>
<tr>
<td>Casing depth in feet:</td>
<td>20</td>
</tr>
<tr>
<td>Major Use:</td>
<td>( checkboxes for Domestic, Disposal, Municipal, Unused, Lost, Irrigation, Sealed, Recharge, Industrial, Observation, Other (specify) )</td>
</tr>
<tr>
<td>Static Water Level in feet:</td>
<td>4.5 - 6.0 BELOW SURFACE</td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter:</td>
<td>7000 est</td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day:</td>
<td>1.7</td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
<td></td>
</tr>
</tbody>
</table>
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 3

Name or Location: BRACKISH WATER SUPPLY

Owner or User: CASTLE & COOK FOODS - POLE HONOLULU MFG

Year drilled: 1978

Driller: ROSCOE - MOSS

Ground Surface Elevation in feet referenced to mean sea level: +4.5

Casing Diameter in inches: 14 I.D.

Total depth of well in feet: APPROX 40

Casing depth in feet: 20

Major Use:

- [ ] Domestic
- [ ] Disposal
- [ ] Municipal
- [ ] Unused
- [ ] Lost
- [ ] Irrigation
- [ ] Sealed
- [ ] Recharge
- [ ] Industrial C\_ooling Water
- [ ] Observation
- [ ] Other (specify)

Static Water Level in feet: 4.5 - 6.0 BELOW SURFACE

Chloride content of water in milligrams/liter: 17,000 est

Installed pump capacity in million gallons per day: 1.7

Average annual draft in million gallons per day:
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 4

Name or Location: Brackish Water Supply

Owner or User: CABA, COKE FOODS - DOLE HONOLULU MFG

Year drilled: 1947

Driller: SAMSON - SMUCK

Ground Surface Elevation in feet referenced to mean sea level: +4.5

Casing Diameter in inches: 13 O.D.

Total depth of well in feet: APPROX 40

Casing depth in feet: 20

Major Use:

- ☐ Domestic
- ☐ Disposal
- ☐ Municipal
- ☐ Unused
- ☐ Lost
- ☐ Irrigation
- ☐ Sealed
- ☐ Recharge
- ☐ Industrial
- ☐ Observation
- ☐ Other (specify) __________

Cooling Water

Static Water Level in feet: 4.5 - 6.0 BELOW SURFACE

Chloride content of water in milligrams/liter: 11,000 est

Installed pump capacity in million gallons per day: 1.7*

Average annual draft in million gallons per day: __________

* Pump is not in operation at the present time.
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

| Well Number: | 5 |
| Name or Location: | BRACKISH WATER SUPPLY |
| Owner or User: | CASTLE & COOKE FOODS - DOLE HONOLULU MFG |
| Year drilled: | 1947 |
| Driller: | SAMSON SMOCK |
| Ground Surface Elevation in feet referenced to mean sea level: | +4.5 |
| Casing Diameter in inches: | 13 O.D |
| Total depth of well in feet: | APPROX 40 |
| Casing depth in feet: | 20 |
| Major Use: | Domestic | Disposal |
| | Municipal | Unused | Lost |
| | Irrigation | Sealed | Recharge |
| | Industrial | Observation | Other (specify) |
| | Cooling Water |
| Static Water Level in feet: | 4.5-6.0 BELOW SURFACE |
| Chloride content of water in milligrams/liter: | 14000 est |
| Installed pump capacity in million gallons per day: | 1.7 |
| Average annual draft in million gallons per day: |  |
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 6 (1952-29)

Name or Location: Brackish Water Supply

Owner or User: Castle & Cooke Foods - Dole Honolulu MFG

Year drilled: 1951

Driller: Samson - Smock

Ground Surface Elevation in feet referenced to mean sea level: +4.5

Casing Diameter in inches: 14 I.D

Total depth of well in feet: APPROX 40

Casing depth in feet: 20

Major Use:

☐ Domestic ☐ Disposal
☐ Municipal ☐ Unused ☐ Lost
☐ Irrigation ☐ Sealed ☐ Recharge
☒ Industrial ☐ Observation ☐ Other (specify)

Static Water Level in feet: 4.5-6.0 BELOW SURFACE

Chloride content of water in milligrams/liter: 14,000 est

Installed pump capacity in million gallons per day: 1.7

Average annual draft in million gallons per day: 


WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Well Number: 7 (1982 - 3/2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name or Location: BRACKISH WATER SUPPLY</td>
</tr>
<tr>
<td>Owner or User: CASTLE &amp; COOKE FOODS - DOLE HONOLULU MFG</td>
</tr>
<tr>
<td>Year drilled: 1957</td>
</tr>
<tr>
<td>Driller: SAMSON SMOCK</td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level: +4.5</td>
</tr>
<tr>
<td>Casing Diameter in inches: 14 I.D.</td>
</tr>
<tr>
<td>Total depth of well in feet: APPROX 40</td>
</tr>
<tr>
<td>Casing depth in feet: 20</td>
</tr>
<tr>
<td>Major Use:</td>
</tr>
<tr>
<td>☐ Domestic ☐ Disposal</td>
</tr>
<tr>
<td>☐ Municipal ☐ Unused ☐ Lost</td>
</tr>
<tr>
<td>☐ Irrigation ☐ Sealed ☐ Recharge</td>
</tr>
<tr>
<td>☐ Industrial Cooling Water ☐ Observation ☐ Other (specify)</td>
</tr>
<tr>
<td>Static Water Level in feet: 4.5 - 6.0 BELOW SURFACE</td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter: 12,000 est</td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day: 1.7</td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
</tr>
</tbody>
</table>
Dole Corp. declared four wells—
these were found subsequently.
May 18, 1981

Dole Corporation

Attention: Mr. M. Nemiroff

Gentlemen:

In reviewing our records, we find that Wells 1952-31, 32 and 33 are also located on your property, Tax Map Key 1-5-12. Also, per telephone conversation of May 15, 1981 with a staff member, it was learned that there may be a total of 6 shallow brackish wells. Please complete the enclosed forms and return them as soon as possible to: Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

If you have any questions, please call the Division of Water and Land Development at [phone number]. Thank you for your cooperation.

Very truly yours,

ROBERT T. CHUCK
Manager-Chief Engineer

Enc.
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-31

Name or Location: Kapalama Battery

Owner or User: Dole Corp.

Year drilled: 1954

Driller: Samson-Smuck

Ground Surface Elevation in feet referenced to mean sea level: 

Casing Diameter in inches: 14

Total depth of well in feet: 42

Casing depth in feet: 20

Major Use: ■ Domestic ■ Disposal

☐ Municipal ☐ Unused ☐ Lost

☐ Irrigation ☐ Sealed ☐ Recharge

☑ Industrial ☐ Observation ☐ Other (specify)

Static Water Level in feet: 

Chloride content of water in milligrams/liter: 

Installed pump capacity in million gallons per day: 

Average annual draft in million gallons per day: Battery
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-32
Name or Location: Kapalama Battery
Owner or User: Dole Corp.
Year drilled: 1957
Driller: Samson Smock
Ground Surface Elevation in feet referenced to mean sea level: 
Casing Diameter in inches: 14
Total depth of well in feet: 40
Casing depth in feet: 80

Major Use: ☐ Domestic ☐ Disposal
☐ Municipal ☐ Unused ☐ Lost
☐ Irrigation ☐ Sealed ☐ Recharge
☑ Industrial ☐ Observation ☐ Other (specify)

Static Water Level in feet: 
Chloride content of water in milligrams/liter: 

Installed pump capacity in million gallons per day: 
Average annual draft in million gallons per day: Battery
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1952-33

Name or Location: Kapalama Battery

Owner or User: Dole Corp

Year drilled: 1957

Driller: Samson Smock

Ground Surface Elevation in feet referenced to mean sea level: __________

Casing Diameter in inches: 14

Total depth of well in feet: 40

Casing depth in feet: 20

Major Use:

☐ Domestic ☐ Municipal ☐ Irrigation ☐ Industrial

☐ Disposal ☐ Unused ☐ Sealed ☐ Observation

☐ Lost ☐ Recharge ☐ Other (specify) __________

Static Water Level in feet: __________

Chloride content of water in milligrams/liter: __________

Installed pump capacity in million gallons per day: __________

Average annual draft in million gallons per day: Battery
<table>
<thead>
<tr>
<th>To</th>
<th>Initial</th>
<th>Name</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Robert T. Chuck</td>
<td>See Me</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walter O. Watson</td>
<td>Take action by</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Takeo Fujii</td>
<td>Route to your branch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>James Yoshimoto</td>
<td>Review &amp; comment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hong Fong Chang</td>
<td>Draft reply by</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Albert Ching</td>
<td>For information</td>
</tr>
<tr>
<td></td>
<td></td>
<td>George Morimoto</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>George Matsumoto</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Manabu Tagomori</td>
<td>Jane Sakai</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Harold Sakai</td>
<td>Doris Hamada</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daniel Lum</td>
<td>Lorraine Nanbu</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Herbert Morimatsu</td>
<td>Jean Siarot</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Paul Matsuo</td>
<td>Elsie Yonamine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Noboru Kaneshiro</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Leslie Asari</td>
<td></td>
</tr>
</tbody>
</table>

Replace exist. well #3 (X)
June 27, 1977

Mr. Robert Chuck  
Manager and Chief Engineer  
Dept. of Land and Natural Resources  
Division of Water and Land Development

Subject: Well Permit to Mr. John P. Auten,  
Castle and Cooke Foods

Enclosed for your information and files are copies  
of the well application and the approved well permit issued to  
Castle and Cooke Foods for the drilling of a new shallow well.

Please call Chester Lao at [redacted] if you have any questions regarding this permit.

Very truly yours,

Herbert H. Minakami  
Chief, Planning and Engineering Division

Enc.
TO: Mr. John P. Auten
Manager of Cannery Operations
Castle and Cooke Foods

Your application of June 21, 1977 to drill a new shallow well in the caprock for cooling purposes has been approved in accordance with our Rules and Regulations for the Protection, Development and Conservation of Water Resources in the City and County of Honolulu.

You are hereby granted a permit to drill a well at TMK: 1-5-11 in accordance with the drawings submitted with your application.

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

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

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

3. Upon completion of the project, the following shall be submitted to the Board of Water Supply:
   a. Record of geologic formations encountered,
   b. As-built drawing of the well including appurtenances and piping.

G-24-77
Date of Permit
BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
630 SO. BERETANIA STREET
HONOLULU, HAWAII 96813

APPLICATION FOR DRILLING, MODIFYING, RECASING OR REUSING WELLS

INSTRUCTIONS: Please send 1 copy to Honolulu Board of Water Supply, who will distribute to other agencies concerned. In filling out, refer to Rules and Regulations of the Honolulu Board of Water Supply adopted on May 10, 1976 and applicable rules and regulations of the State Department of Health.

OWNER: (See BWS Rules and Regulations Chapter III, Sec. 3-305, Item 1a)

CASTLE & COOKE FOODS

ADDRESS:

1. APPLICATION FOR WELL: (See Chapter III, Sec. 3-305, Item 1)

Drill x Reuse ___
Modification ____ Recase ____
Change in use ___

2. WORK TO BE PERFORMED BY: (See Chapter III, Sec. 3-311)

ROSCOE MOSS COMPANY

WR 900 (Rev. 10-76)
3. USE OF WELL: (See Chapter III, Sec. 3-305, Item 1c)

Provide cooling water to evaporators and condensers. The new well is to replace existing Well #3 which has a collapsed casing and must be abandoned. See ATTACHMENT III.

4. ATTACHMENTS: (Each copy of the application shall have a complete set of attachments)

a. Location of well: 

Tax Map Key: 1 - 5 - 11 for Well. (1 - 5 - 12 for area served) ATTACHMENT I

b. Land area served: (Attach map showing exact location of well and area served. See Chapter III, Sec. 3-305, Items 1b and 1d)

See drawing HCT-35 & HAP 32 ATTACHMENT II & III.

c. Description of well and appurtenant details:
(See Chapter III, Sec. 3-305, Item 1e)

In a 18" in diameter hole we will install a 14" OD corten steel casing to a depth of 20'. The bottom 10' will be perforated. The top 10' of annular space around the casing will be grouted. After the casing has been installed and grouted, there will be an additional 20' of open bore hole drilled below the casing for a total depth of 40'. See DRAWING ATTACHMENT IV.
5. The Owner hereby agrees to install, operate, and maintain control of the well in accordance with the laws of the State of Hawaii and the Rules and Regulations of the Honolulu Board of Water Supply and the State Department of Health.

The Owner hereby understands that a fee of One Hundred Dollars ($100.00) and a permittee bond of the amount not greater than Twenty-five Thousand Dollars ($25,000.00), said amount of the bond to be set by the Engineer, are required for the drilling or excavation of each new well. The $100.00 fee per well shall be payable to the Board and shall accompany this application. The amount of the permittee bond shall be stipulated when the well owner is notified that his permit has been granted.

(See Chapter III, Sec. 3-305, Items 2 and 2a)

6. The Owner hereby agrees to the following special conditions for this well:

---

Date Submitted: June 16, 1977

Name of Applicant if Other than Owner:

Signature of Owner:

John P. Auten
Manager of Cannery Operations
Castle & Cooke Foods

[Redacted]