Approval of Water Use Permit (WUP No. 814) for Well No. 2101-01
Waipahu-Waiawa Ground-Water Management Area, Oahu

We have received the notice of transfer of the water use permit for the subject well, dated August 16, 2007. As you requested, we have been deferring issuance of this water use permit pending your decision on a new name for the well. Per a telephone conversation with Commission staff on October 2, 2007, we understand you are renaming the well Honouliuli Well.

This letter transmits your water use permit for Honouliuli Well (Well No.2101-01) for use of 0.110 million gallons per day (mgd) of water on a 12-month moving average basis that was approved by the Commission on Water Resource Management (Commission) on May 17, 1989. As part of the Commission's approval, the following special conditions were added and are part of your permit under Standard Permit Condition 19:

**Special Conditions**

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

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

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.
Mr. William Burton  
Page 2  
October 9, 2007

We draw your attention to two key conditions of your permit that require your response. 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 Waipahu-Waiawa 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 call Lenore Nakama of the Commission staff at 587-0218.

Sincerely,

W. Roy Handy

LAURA H. THIELEN
Chairperson

Attachments: WUR Form

c: Chuck Hill, Aina Nui Corporation
**GROUND-WATER USE PERMIT**

**WUP NO. 814**

**PERMITTEE**

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<tr>
<th>Permittee/Water User</th>
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<tr>
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<tr>
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**PERMITTED SOURCE INFORMATION**

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**PERMITTED USE INFORMATION**

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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 permittee 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 HRS § 174C-101(a).

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

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

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

7. The water use permit application and submittal, as amended, approved by the Commission at its May 17, 1989 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. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a monthly basis (attached).
11. This permit shall be subject to the Commission’s periodic review of the Waipahu-Waiawa 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 Waipahu-Waiawa Aquifer System, or relevant modified aquifer(s), is reduced.

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

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

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

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

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

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

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

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

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

LAURA H. THIELEN, Chairperson
Commission on Water Resource Management

Attachment
c: Chuck Hill, Aina Nui Corporation
August 16, 2007

Ken C. Kawahara, P.E.
Deputy Director
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Kawahara:

Request to Transfer Water Use Permit No. 83

We are responding to your letter of August 8, 2007 in which you summarized the current disconnect in the records as to the permittee of WUP #83 resulting from the misstatement in Kahua Meat's registration in 1989. As you noted, Aina Nui's modification application in 2004 alluded to the transfer of well operations from Kahua Meat to Aina Nui, which was never followed-up and formally documented.

You requested the date on which Kahua Meat effectively transferred the operation of the source to Aina Nui. Aina Nui effectively transferred this water use upon the termination of the Kahua lease on September 30, 2005. Currently, there is no water use since the property was conveyed to the new fee owner on April 26, 2007, and as indicated in our May 18, 2007 transmittal, the amount of water use, character of use, and location of use will remain the same until a permit modification is sought by the new owners, the Roman Catholic Church of the State of Hawaii, and approved by the Commission on Water Resource Management. If you have any questions or require additional information, please call me at 674-3275 or Peter Gibson as 674-3279.

Very truly yours,

Chuck Hill
Vice President

cc: Lenore Nakama
    Peter Gibson
    Shirley Chinen
August 16, 2007

Ken C. Kawahara, P.E.
Deputy Director
Commission on Water Resource Management
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, Hawaii 96809

Dear Mr. Kawahara:

Request to Transfer Water Use Permit No. 83

We are responding to your letter of August 8, 2007 in which you summarized the current disconnect in the records as to the permittee of WUP #83 resulting from the misstatement in Kahua Meat’s registration in 1989. As you noted, Aina Nui’s modification application in 2004 alluded to the transfer of well operations from Kahua Meat to Aina Nui, which was never followed-up and formally documented.

You requested the date on which Kahua Meat effectively transferred the operation of the source to Aina Nui. Aina Nui effectively transferred this water use upon the termination of the Kahua lease on September 30, 2005. Currently, there is no water use since the property was conveyed to the new fee owner on April 26, 2007, and as indicated in our May 18, 2007 transmittal, the amount of water use, character of use, and location of use will remain the same until a permit modification is sought by the new owners, the Roman Catholic Church of the State of Hawaii, and approved by the Commission on Water Resource Management. If you have any questions or require additional information, please call me at 674-3275 or Peter Gibson as 674-3279.

Very truly yours,

Chuck Hill
Vice President

cc: Lenore Nakama
Peter Gibson
Shirley Chinen
August 8, 2007

Mr. Chuck Hill, Vice President
Aina Nui Corporation
1001 Kamokila Blvd.
Kapolei, HI 96707

Dear Mr. Hill:

Request to Transfer Water Use Permit No. 83

This is in response to your May 18, 2007 Request to Transfer Water Use Permit No. 83 (WUP No. 83) for Well No. 2101-01 from Aina Nui Corporation to the Roman Catholic Church in the State of Hawaii. Our records show that Kahua Meat Company is the permitted well operator and landowner of source for WUP No. 83.

We note your Request to Transfer states that the landowner of source is misidentified on WUP No. 83 and that the current landowner is Aina Nui Corporation. In order to understand why this discrepancy in source landownership exists, we researched the history of the source, which is summarized below.

Background Information:

On April 11, 1980, Kahua Meat Company’s existing use of Well No. 2101-01 for 0.022 mgd was certified as an existing use by the Board of Land and Natural Resources (BLNR).

On January 22, 1988, the BLNR approved the issuance of a water use permit to Kahua Meat Co., Ltd. for 0.110 mgd for Well No. 2101-01.

On February 14, 1989, Kahua Meat Co., Ltd. (Kahua Meat) submitted a Registration of Well and Declaration of Water Use to the Commission on Water Resource Management (Commission), showing Kahua Meat is the Well Operator and Owner of the Well Site.

On November 19, 2004, Aina Nui Corporation an Affiliate of The Estate of James Campbell (Aina Nui) filed an incomplete water use permit modification application for WUP No. 83 for Well No. 2101-01. The modification application noted that Kahua Meat’s slaughterhouse operation had terminated and that less water would be needed for the future agricultural activities that would ensue.
On November 29, 2004, Commission staff notified Aina Nui of the additional information needed to complete the application.

On November 16, 2005, the Commission received a letter from the attorneys for Aina Nui, requesting that the modification application be withdrawn due to the anticipated sale of the property. In anticipation of a sale, the letter noted that Kahua Meat vacated the property in the summer of 2005.

Based on the above chronology, it appears that the source landownership was initially established on February 14, 1989 through the Registration of Well and Declaration of Water Use. The Commission did not verify the statements made in the Registration of Well and Declaration of Water Use, which were used to establish WUP No. 83.

The modification application that was filed on November 19, 2004 stated that Kahua Meat’s operations had terminated and the November 16, 2005 letter withdrawing the application noted that “…former tenant, Kahua Meat Company, vacated the property in the summer of this year.” By this statement, the modification application alluded to a transfer of the permit as well as requesting a permit modification; however, this application was withdrawn, and staff did not pursue the water use permit transfer issue that was alluded to.

In summary, staff finds that the current disconnect between the permittee information for WUP No. 83 and the subject Request for Transfer resulted from a misstatement in Kahua Meat’s Registration of Well and Declaration of Water Use in 1989. Aina Nui’s 2004 modification application alluded to a transfer of well operations from Kahua Meat to Aina Nui, which was not followed up. Therefore, although §174C-59 HRS provides that “…Failure to inform the Commission of the transfer invalidates the transfer and constitutes a ground for revocation of the permit…”, staff will not consider that the current discrepancy in permittee ownership information is a ground for revocation, given the circumstances of this case where an application to modify WUP No. 83 was submitted then subsequently withdrawn. However, for our records, please provide: 1) the date on which Kahua Meat effectively transferred the operation of the source to Aina Nui in 2005 and 2) a description of the current use of the well water. Upon receipt of this information, we will continue to process the subject Request to Transfer.

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

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director

LN:ss
Assessed Values reflect tax year 2007.

Search criteria: TMK Taxkey 1-9-1-17-41

PUBLIC RECORD DATA

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2002 CATHOLIC FORT CHURCH IN
WEAVER HAWAII RD

This information has been supplied by third parties and has not been independently verified by Hawaii Information Service and is, therefore, not guaranteed.
May 18, 2007

Mr. Dean Nakano
Acting Director
Commission on Water Resource Management
1151 Punchbowl Street, Room 227
Honolulu, Hawaii 96813

Dear Mr. Nakano:

Transfer of Water Use Permit No. 83

We are submitting the attached Request to Transfer Water Use Permit in accordance with Hawaii Revised Statutes 174C-59 and Hawaii Administrative Rules 13-171-25.

This request is being submitted within 90 days of the date of transfer of the water use permit from Aina Nui Corporation to Roman Catholic Church in the State of Hawaii. The amount of water used, character of use, and location of use will remain the same unless and until a permit modification is sought by the new permittee and approved by the Commission on Water Resource Management.

Please note that the current permit misidentified the landowner of source. Kahua Meat Co., Ltd. was a lessee of Campbell Estate, and not the landowner. The current landowner is Aina Nui Corporation.

Please feel free to contact Peter Gibson at 674-3279 or me at 674-3275 if you have any questions on this matter.

Very truly yours,

Chuck Hill
Vice President

shc:04032500/K10056

(All with enclosure)

cc: Bill Burton, Roman Catholic Church
    Robert Bruce Graham, Esq.
    Rodd H. Yano, Esq.
    Mark K. Murakami, Esq.
    Peter Gibson
    Shirley Chinen
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
REQUEST TO TRANSFER WATER USE PERMIT
□ Groundwater or □ Surface Water

Instructions: Please print in ink or type and send completed application to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 587-0225. For further information and updated this application form, visit http://www.hawaii.gov/dlnr/cwrm.

CURRENT PERMIT HOLDER:
1. (a) PERMITTEE
   Firm/Name Aina Nui Corporation
   Contact Person Chuck Hill
   Address 1001 Kamokila Blvd., Ste. 255, Kapolei, HI 96707
   Phone (808) __________________  Fax __________________
   E-mail __________________

   Signing below indicates that the signatories understand and have no objection to this water use permit transfer request.

   Signature __________________ Date __________________

(b) LANDOWNER OF SOURCE
   Same
   Firm/Name __________________
   Contact Person __________________
   Address __________________
   Phone __________________ Fax __________________
   E-mail __________________

PERMIT TO BE TRANSFERRED TO:
2. (a) PERMITTEE
   Roman Catholic Church in the State of Hawaii
   Firm/Name __________________
   Contact Person William Burton
   Address 1184 Bishop St., Hon., HI 96813
   Phone (808) __________________ Fax (808) 521-8428
   E-mail __________________

   Signing below indicates that the signatories swear that: 1) the conditions of use of the transferred permit including place, quantity, and purpose of the use remain the same. I also understand that a new water use permit will be issued to document this transfer and the old water use permit and number will be void and superseded.

   Signature __________________ Date __________________

(b) LANDOWNER OF SOURCE
   Same
   Firm/Name __________________
   Contact Person __________________
   Address __________________
   Phone __________________ Fax __________________
   E-mail __________________

WATER USE PERMIT TRANSFER INFORMATION
3. WATER USE PERMIT NO.: WUP #83
effective date of transfer: April 26, 2007
4. WELL/STREAM DIVERSION NAME AND STATE NUMBER: State Well #2101-01

Kamehameha Mill Well for
W. Burton 10-2-07.
November 29, 2005

Ms. Linnel Nishioka
Morihara Lau & Fong LLP
400 Davies Pacific Center
841 Bishop St.
Honolulu, HI 96813

Dear Ms. Nishioka:

Thank you for your November 16, 2005 letter, informing us that your client, The Estate of James Campbell and the Aina Nui Corporation, is withdrawing its application to modify WUP No. 83 for Well No. 2101-01. This is to confirm that our records have been updated to reflect that this application has been withdrawn.

We understand that your client is anticipating that a sale of the property will be completed as early as the end of this year. In the meantime, any water used pursuant to WUP No. 83 must be used in a manner that is consistent with the permitted conditions of use.

Thank you for notifying potential buyers of the requirements of section 174C-57, Hawaii Revised Statutes (HRS), related to water use permit modifications. In addition, you may want to inform them of the requirements of section 174C-59 HRS, related to water use permit transfers.

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

Sincerely,

DEAN A. NAKANO
Acting Deputy Director

LYN:ss

c: Peter Gibson, Aina Nui Corporation
November 16, 2005

Dean Nakano, Acting Deputy Director
Commission on Water Resource Management
1151 Punchbowl Street, Room 227
Honolulu, Hawaii 96813

Re: Water Use Permit No. 83

Dear Mr. Nakano:

On behalf of myself and my client, the Estate of James Campbell and the Aina Nui Corporation ("Campbell Estate") please accept our wholehearted thanks to you and Lenore Nakama of your staff for taking time out of your busy schedules to meet with me on October 20, 2005 to discuss Campbell Estate's pending application to modify water use permit ("WUP") No. 83 for the former Kahua Meat Slaughterhouse Operation. The WUP No. 83 authorizes the use of .110 mgd from State Well No. 2101-01. This letter is a follow up to our meeting.

At the meeting, you both inquired about the current use of the property. I have consulted with my clients as well as had the chance to visit the property. As per our discussion, Campbell Estate is in the process of selling the property and is anticipating a sale to be completed as early as the end of this year. In anticipation of a sale, our former tenant, Kahua Meat Company, vacated the property in the summer of this year. Since that time, the property has been and will be held in a status quo position until it is conveyed to a buyer. At this point in time, we believe that there may be some very minor pasture use of the property although given the pending sale there is no formal agreement with any new tenant to use the property.

At this point in time, I understand that any water used pursuant to WUP No. 83 will be used in a manner that is consistent with the current permit for an agricultural use and will be used on the land as authorized under the current permit. Therefore, because of its changed circumstances, Campbell Estate does not wish to continue with its application for a permit modification.

As we discussed, please consider this letter as our formal request to withdraw Campbell Estate's pending application to modify WUP No. 83. We would appreciate a written confirmation that our request to withdraw the
application has been accepted. We have already informed a buyer of the requirements of section 174C-57, Hawaii Revised Statutes.

Thank you for your assistance in this matter, it is greatly appreciated. Please contact me should you have any questions or wish to discuss this matter further.

Very truly yours

Linnel T. Nishioka
Attorney for Campbell Estate
Memorandum

From: Lenore Nakama
Subject: WUPA for Well No. 2101-01 Change in Use

1/6/05 Called and left message for Peter Gibson re: status of WUPA.

1/11/05 Peter called back. He’s still working with Alan Gottlieb of Kahua Ranch to determine new uses to replace slaughterhouse use (Table 1 info). He will try to get the numbers together ASAP and then submit to DPP for sign-off.
Dear Mr. Gibson:

Thank you for submitting an application to modify the existing water use permit for Well No. 2101-01 (WUP No. 83) to reflect the current agricultural activities that have replaced Kahua Meat Company's slaughterhouse operations. However, your application is incomplete. Please address the following items to complete your application:

1. An authorized representative from the Department of Planning and Permitting (DPP) must sign the application (bottom of Table 1) to confirm the consistency of the proposed land use activities with the current county zoning. Should DPP opt to provide a concurrence letter in lieu of signing the application, please submit a copy of their concurrence letter to us. (We have enclosed one copy of your application for DPP review.)

2. The application indicates the proposed use is for irrigation supply for Kahua Nursery, along with several sub-lessees. Please describe the type of plants grown in the nursery and the irrigation requirement of the nursery. Please provide information on the proposed use(s) of water by sub-lessees. What are all of the specific end uses and how do they contribute to the proposed total allocation of 5,000 gpd/ac. Data to support the irrigation requirement(s) of each end use should be provided to establish that the proposed water use is efficient and in the public interest.

We have determined that TMK 9-1-17:41 is located in the Urban state land use district. We have filled in this blank on your application accordingly. Also, we are proposing to characterize your application as a new use, rather than as an existing use. Existing uses are those in existence at the time of the effective date of designation as a water management area (e.g., Kahua Meat Company's slaughterhouse operations). Please inform us if you have any problems or concerns with these amendments to your application.
Mr. Peter Gibson  
Page 2  
November 29, 2004

Thank you also for your response regarding administrative modification of the water use permit for the EP 18 Battery (WUP No. 534). The water use permit will be issued under separate cover.

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

Sincerely,

YVONNE Y. IZU  
Deputy Director

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<td>TOTAL $ 25.00</td>
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</table>

REMARKS: LINE (1) WUPA for Well No. 2101-01
LINE (2) 
LINE (3) 
LINE (4) 
LINE (5) 
LINE (6) 
LINE (7) 
LINE (8) 
LINE (9) 
LINE (10)
Ms. Lenore Nakama
State of Hawaii
Commission on Water Resource Management
P. O. Box 621
Honolulu, HI 96809

Dear Ms. Nakama:

**Addendum to Application for Water Use Permit Well No. 2101-01**

An allocation of 50,000 gallons per day (gpd) is requested from Well No. 2101-01. Previously, the allocation established for this well was .110 mgd (110,000 gpd). The previous usage included water for the operation of Kahua Meat Company’s slaughterhouse which was located adjacent to this well site. The slaughterhouse has been demolished and will not be resurrected. In its place, other agricultural uses are intended. Therefore, the reduced water requirement for this area will drop to 50,000 gpd. The primary use of this water will be for irrigation of agriculture crops. Currently, Kahua Nursery is the main user of water from this source.

This water source is the only water source available for the needs of this location. There are larger wells across old Fort Weaver Road, but these are currently being used by the larger diversified farmers for irrigation of their crops.

**Addendum 1**

Answers to Use Information question 12. Applicant Must Establish That The Proposed Use Of Water:

a) Can be accommodated with the available water source. This water source was able to accommodate the earlier usage of .110 mgd (110,000 gpd) and therefore, will definitely satisfy the reduced amount of 50,000 gpd.

b) Is a reasonable-beneficial use. The water needed from this allocation will supply Kahua Nursery, along with several sub-lessees with water to conduct their operations.

c) Will not interfere with any existing legal use. Use from this well will continue as has been done in the past and will not interfere with any other uses.
d) **Is consistent with the public interest.** This water allocation will enable its users to continue operating as they have in the past.

e) **Is consistent with State and County general plans and land use designations.** The user of this water system is consistent with the land use designations for this area.

f) **Is consistent with County land use plans and general policies.** The water users are consistent with the County land use plans.

g) **Will not interfere with the rights of the Department of Hawaiian Home Lands.** There are no Department of Hawaiian Home Lands in this area to be interfered with.

**Addendum 2**

**Note to Commission on Water Resource Management - Restructuring of EP 18 Battery**

Permission is hereby granted to the Commission of Water Resource Management to administratively modify the water use permit to exclude the wells associated with this battery that are not actually connected to this system. This is being done to clarify which wells are currently being used by the EP 18 Battery as of November 10, 2004.

Sincerely,

Peter W. Gibson  
Natural Resources Coordinator,  
Hawaii Land Management
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR WATER USE PERMIT

X Groundwater or ☐ Surface Water

Instructions: Please print in ink or type and send 15 copies of 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. For further information and updates to this application form, visit http://www.hawai.gov/dlnr/cwrm.

PERMITTEE INFORMATION

1. (a) APPLICANT Aina Nui Corporation an affiliate of The Estate of James Campbell
    Contact Person Peter Gibson
    Address 1001 Kamokila Blvd., Kapolei 96707
    Phone 674-3279 Fax 674-3111
    E-mail peterg@campbellestate.com

(b) LANDOWNER OF SOURCE an affiliate of The Estate of James Campbell
    Firm/Name The Estate of James Campbell
    Contact Person Peter Gibson
    Address 1001 Kamokila Blvd., Kapolei 96707
    Phone 674-3279 Fax 674-3111
    E-mail peterg@campbellestate.com

SOURCE INFORMATION

2. WATER MANAGEMENT AREA: Waipahu - Waiawa
    ISLAND: Oahu

3. (a) EXISTING WELL/STREAM DIVERSION NAME AND STATE NUMBER: Well #2101-01
    (If source doesn't presently exist, please attach well construction/stream diversion permit or application.)

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

(c) LOCATION: Address 91-2002 Fort Weaver Road
    (Attach and show source location on a USGS map, scale 1"=2000", and a property tax map)

4. SOURCE TYPE (check one): □ Stream ☑ Basi
    □ Dike-confined □ Perched □ Caprock

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

USE INFORMATION

6. LOCATION OF PROPOSED WATER USE: (If possible, show on same maps as source location. Otherwise, attach similar maps)
    (a) □ PUC-Regulated Private System □ Intended Dedication to Dept. /Board of Water Supply □ Non-PUC-Regulated Private System
    (b) Tax Map Key: Please complete Table 1 on back of application and shade applicable portion of property tax map

7. QUANTITY OF WATER REQUESTED: 50,000 gallons per day (averaged over 1 year)

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

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

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

11. PROPOSED TIME OF WATER WITHDRAWAL OR DIVERSION: 6:00 am - 9:00 pm (daytime hours of operation; example, 7 a.m. to 2 p.m.)

12. APPLICANT MUST ESTABLISH THAT THE PROPOSED USE OF WATER:

    (a) Can be accommodated with the available water source.
    (b) Is a reasonable-beneficial use.
    (c) Will not interfere with any existing legal use.
    (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 general policies.
    (g) Will not interfere with the rights of the Department of Hawaiian Home Lands.

* Section 13-171-2, Hawaii Revised Statutes –
"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.

13. REMARKS, EXPLANATIONS:

This application is being submitted in order to revise an existing WUP for this well. This well previously served the Kahua Meat Company slaughterhouse. This operation has been terminated and less water is needed for the future agricultural activities that will be conducted in the area.

NOTE: Signing below indicates that the signatories understand and swear that: 1) the information provided on this application is accurate and true to the best of their knowledge; 2) Item 14 is the responsibility of the applicant prior to Commission approval; 3) If necessary, further information may be required before the application is considered complete; 4) If a water use permit is granted by the Commission, this permit is subject to prior existing permitted uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands future uses; and 5) Upon permit approval, a water shortage plan must be submitted by the applicant should the Commission require one.

Applicant (print) The Estate of James Campbell
Signature Donald C. Hill
Date 11/18/04

Landowner (print) The Estate of James Campbell
Signature Donald C. Hill
Date 11/18/04

WUPA FORM (04/29/2003)

WUPA No. 730
<table>
<thead>
<tr>
<th>PROJECT NAME &amp; PHASES (include address if applicable)</th>
<th>EXISTING or NEW USE (if existing, fill in date of first use)</th>
<th>POTABLE or NONPOTABLE</th>
<th>TMK</th>
<th>STATE</th>
<th>CURRENT COUNTY ZONING CODE</th>
<th>UNITS or NET ACRES</th>
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<th>4-YEAR CUMULATIVE PROJECTED DEMAND</th>
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(For Oahu only) DEPARTMENT OF PLANNING AND PERMITTING SIGNATURE ___________________________________________ DATE __________

Only for verification that: 1) TMKs listed are consistent with zoning and development plans; and 2) projects listed are allowed with respect to zoning and development plans.

Instructions for completing Table 1: Individual projects and phases must be listed separately and numbered sequentially on Table 1. Copy Table 1 and attach additional sheets if necessary. Please indicate individual projects and phases on TMK maps by clearly delineating project areas and indicating sequential number within delineated areas to coincide with Table 1. Please attach a separate sheet giving the address and a brief description of each project and phase listed above. In addition, if the proposed use is existing, please provide the WUP No. or indicate when the existing use was initiated. Also, the Department of Planning and Permitting (DPP) must sign before application is acceptably complete. Please consult with DPP at 650 South King Street, 7th Floor, Honolulu, HI 96813.
Hi Peter,

It was very nice talking with you yesterday. Thanks for plugging Rudy into our conversation and for helping me to understand the situation with some of the wells and water uses out in Ewa.

Here is an application form to modify the water use permit for Well No. 2101-01 for Kahua Meat Co., Ltd. Under the present permit, the well may only be used for slaughterhouse operations. As we discussed, it would be good to modify the water use permit to reflect the current use of the well for agricultural purposes (livestock watering) and to bring the allocation amount more in line with current withdrawal, which is probably less than the current allocation of 0.110 million gallons per day.

Also, regarding the EP 18 Battery, we would like to administratively modify the water use permit to exclude the wells associated with Pump 4 and Pump 7, which I understand are not connected to the system. This would simply be a reissuance of the water use permit, identifying a lesser number of wells because we have a Declaratory Ruling in place that allows an administrative modification in this kind of situation.

Please call me at 587-0218 if you have any questions or problems completing the application, or if there are any concerns with our proposed administrative modification of the water use permit for EP 18 Battery.

Aloha,
Lenore Nakama
Hey everybody,

Following up on a phone call from Eric yesterday, where we agreed that a follow up phone call from me to Peter would be good to discuss Campbell Estate WUP & well issues. Got in touch with Peter Gibson this morning, he connected a gentleman named Rudy (pump guy) to our phone conversation.

WUP 534, EP 18 Battery: According to Rudy, only EP 4 is not in use (because it was leaking, uh oh...). Also, EP 7 is not in use, but it is on the same line as EP 8. I found schematics for EP 3,4 and 7,8. I asked them if they had seen a schematic for EP 5,6, both said no. But, at this point, it may not be necessary because both said they could not associate the individual (buried) pukas in the ground with a well no. anyway. A problem we have is that the available schematic for EP 3 & 4 show only one pump house, Pump 3. Apparently, there is another pump, Pump 4, which is not identified in our records. Roy feels that because EP 4 can be connected to the system, no need modify the WUP, but would be good to know where this pump house is (even though we will not know which of the 20 wells in EP 3,4 belong to EP 3 and which belong to EP 4.) I will be sending Peter the schematic of EP 3,4 & ask him to update it to show the EP 4 pump house for our records. Because the WUP will not be modified, I think the shortage plan should encompass all 38 wells (not 37, my mistake).

WUP 83, Kahua Meat: According to Rudy, a nearby tenant is currently using the well for his horses & goats. Peter agreed that it would be best for this WUP to be modified because it is no longer being used for industrial purposes and probably the actual use is way less than its current allocation. I mailed Peter a water use permit application and will work with him to get it completed. Because this is kind of like a moving target, we can discuss how the shortage plan will treat this WUP, which will be modified in (hopefully!) about 90 days or so.

WUP 670, EP 10: Eric still needs to do site visit.

It's good to be cleaning up the WUP database, thanks everyone!

"Eric Y. Kadooka" <eric@tlcghawaii.com>

Dean, Lenore and Tiffany,

I have followed up with Peter Gibson at Campbell Estate for the PH WSP field surveys.
Comments Outstanding:
WUP 534; CWRM WUP database shows 37 wells; field survey Campbell Estate indicated that using only 3 wells, requested the State well numbers and the status of the other 34 wells.

WUP 670; not shown in survey; water system is different from WUP 534 water system, WUP 670 was obtained by another company. May need to field survey this system.

WUP 83; Kahua Meat Co has stop using water system. No water is being used or pump from water system. WUP needs follow up action by both Campbell Estate and CWRM.

I will update field survey forms once Campbells Estate returns with information.

thanks
eric
We are writing to request that you submit a water shortage plan for the Kahua Meat Well (Well No. 2101-01), as required under Administrative Rule §13-171-42(c), which states:

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

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

<table>
<thead>
<tr>
<th>Well Name (Well No.)</th>
<th>Permitted Use</th>
<th>Allocation (mgd)</th>
<th>Percent Reduction in Water Use</th>
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</thead>
<tbody>
<tr>
<td>Kahua Meat (2101-01)</td>
<td>Industrial</td>
<td>0.110</td>
<td>15%</td>
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</tbody>
</table>
Mr. Alan Gottlieb  
Page 2  
August 5, 2002

After you have filled in the last column on the above table, please make a copy of this letter and return it to us at the above address. Please retain the original for your records.

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

Sincerely,

LINNEL T. NISHIOKA  
Deputy Director

LN:ss
MEMORANDUM FOR THE RECORD

FROM: Lenore Nakama
SUBJECT: New Address for Kahua Meat Co.

The contact is still Alan Gottlieb. Alan’s new phone number is 681-3791 (or 681-5664).
The new address is:

Kahua Meat Co., Ltd.
91-2002 Fort Weaver Road
Ewa Beach, HI 96706
August 5, 2002

Ref: 2101-01 wsp.let

Mr. Alan Gottlieb
Kahua Meat Co.
3140 Iolani Street
Honolulu, HI 96819

Dear Mr. Gottlieb:

We are writing to request that you submit a water shortage plan for the Kahua Meat Well (Well No. 2101-01), as required under Administrative Rule §13-171-42(c), which states:

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

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

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<tr>
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<th>Permitted Use</th>
<th>Allocation (mgd)</th>
<th>Percent Reduction in Water Use</th>
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<tbody>
<tr>
<td>Kahua Meat (2101-01)</td>
<td>Industrial</td>
<td>0.110</td>
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</table>
After you have filled in the last column on the above table, please make a copy of this letter and return it to us at the above address. Please retain the original for your records.

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

Sincerely,

[Signature]

LINNEL T. NISHIOKA
Deputy Director

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

Gentlemen:

RESUBMITTAL  
Adjustments to Water Use Permits  
Pearl Harbor Water Management Area, Oahu

Changes in ground water conditions, irrigated acreage, irrigation practice, and the recent downward revision of sustainable yield in the Pearl Harbor Water Management Area (PHWMA), has resulted in the need for adjustments to existing permitted use.

Staff Analysis

On April 19, 1989, the Commission revised the sustainable yields for the Koolau basal aquifer and the Schofield High-Level aquifers downward to 165 mgd and 13 mgd, respectively by the year 1995. Action on the recommended 17 mgd sustainable yield for the Waianae basal aquifer was deferred to further study until no later than October of 1990. Until the sustainable yield of the Waianae basal aquifer is revised, the Commission will manage the permitted uses of water in the PHWMA within the recommended total sustainable yield of 195 mgd targeted for 1995.

As a result, staff has prepared a schedule of adjustments to existing water use permits to meet current and projected changes in water use. Numerous meetings and discussions were held with the major water users to formulate this schedule, in an effort to avoid and minimize undue hardship to existing water users and planned developments.

The proposed schedule of reduction of existing water use permits on a well source basis, was developed from information supplied by the major water users. The schedule coincides with anticipated changes in water use resulting from reduction in Oahu Sugar Co.'s irrigated acreage in Ewa plain caprock area and planned urban growth throughout the PHWMA.

Prior to the Water Code, existing water use permits were conditional and subject to review. Also, it is not clear whether the water use permits allocated under Chapter 177 HRS, for ground water control areas, are valid to continue as new water use permits because of the due process in awarding permits under a water management area. It is additionally unclear, through comments of major water users, as to what constitutes an existing use based on previous permits under Chapter 177 HRS. Therefore, water use permits granted under the proposed schedule should be issued as interim permits in accordance with the Water code and Administrative Rule 13-171-20(b).
Chairperson and Members  
Commission on Water Resource Management  
May 17, 1989

The proposed schedule of permitted water use for the Pearl Harbor Water Management Area are summarized below from the details of Exhibits 1, 2, and 3.

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**RECOMMENDATION:**

That the Commission adopt the proposed schedule of permitted water use tabulated in Exhibits 1, 2, and 3 by user, well source, and aquifer for the Pearl Harbor Water Management Area, subject to the following conditions:

1. That within each aquifer the total permitted use shall not exceed the sustainable yield;
2. That any water available for allocation shall be for in-district use.
3. That scheduled reductions to Oahu Sugar Co. permitted use shall be initiated upon final termination of an OSCo lease or sub-lease, whichever occurs later.
4. That permits for water use issued in accordance with the proposed schedule shall be interim permits subject to review and adjustment by 1995.

Respectfully submitted,

MANABU TAGOMORI  
Deputy Director

APPROVED FOR SUBMITTAL

WILLIAM W. PATY, Chairperson
### Proposed Schedule of Interim Water Use Permit

#### Ko'olau Basal Aquifer

#### Kanaka Waii II

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WAIANAE AQUIFER

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<td>21.5</td>
<td>11.7</td>
</tr>
</tbody>
</table>
EXISTING & PROPOSED WATER USE PERMITS

PHWMA

- Private: 8.0 7.5
- Military: 28.1 28.1
- OSC: 91.7
- BWS: 92.0 87.4
- TOTAL: 219.8

1988
1995
Form 8810-1

STATE OF HAWAII
COMMISSION ON WATER RESOURCE MANAGEMENT
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT

REGISTRATION OF WELL
AND
DECLARATION OF WATER USE

INSTRUCTIONS: Please type or print. If information is not available or not applicable, indicate as N/A. Fill out as completely as possible, sign, and file form with the Division of Water Resource Management, P.O. Box 579, Honolulu, Hawaii 96809. Phone 546-3948 or 546-7543 for assistance.

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

STATE WELL NO.: 2101-01
ISLAND: Oahu

WELL NAME OR DESIGNATION: Kahua Meat Company, LTD

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

A. WELL OPERATOR
Firm name: Kahua Meat Company, LTD
Contact person: Alan Gottlieb
Address: 3140 Ualena St. #205
Honolulu, HI
Zip: 96819 Phone: 836-3964

B. OWNER OF WELL SITE
Firm name: SAME
Contact person: _____________
Address: _____________
Zip: ________ Phone: _____________

C. WELL LOCATION
Tax Map Key: 9-1-17-41 Town, Place, District: Honolulu, Ewa, Hawaii
Attach USGS "Quad" map (scale 1:24,000), tax map, or other map showing the well location.

D. WELL DATA (see attached letter)
For Drilled Wells, submit "as-built" drawing, driller's log, and pump test results, and complete items below.
For Tunnels and Shafts, submit construction drawings, plot plan, or sketch map.

<table>
<thead>
<tr>
<th>Ground elevation (Mean sea level):</th>
<th>20 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference point (used to measure depth to water):</td>
<td>15 ft.</td>
</tr>
<tr>
<td>Elevation:</td>
<td>ft.</td>
</tr>
<tr>
<td>Description:</td>
<td></td>
</tr>
<tr>
<td>Depth to water (below reference point):</td>
<td>15 ft.</td>
</tr>
<tr>
<td>Maximum recorded chloride:</td>
<td>340 ppm</td>
</tr>
<tr>
<td>Minimum recorded chloride:</td>
<td>114 ppm</td>
</tr>
<tr>
<td>Maximum chloride in 1987:</td>
<td>114 ppm</td>
</tr>
<tr>
<td>Year drilled or constructed:</td>
<td></td>
</tr>
<tr>
<td>Well contractor:</td>
<td></td>
</tr>
<tr>
<td>Casing diameter:</td>
<td>8 in.</td>
</tr>
<tr>
<td>Solid casing depth (below ground):</td>
<td>208 ft.</td>
</tr>
<tr>
<td>Perforated casing depth (below ground):</td>
<td>ft.</td>
</tr>
<tr>
<td>Total depth of well:</td>
<td>325 ft.</td>
</tr>
<tr>
<td>Minimum chloride in 1987:</td>
<td>ppm</td>
</tr>
<tr>
<td>Reference point (used to measure depth to water):</td>
<td></td>
</tr>
<tr>
<td>Well contractor:</td>
<td></td>
</tr>
<tr>
<td>Casing diameter:</td>
<td>8 in.</td>
</tr>
<tr>
<td>Solid casing depth (below ground):</td>
<td>208 ft.</td>
</tr>
<tr>
<td>Perforated casing depth (below ground):</td>
<td>ft.</td>
</tr>
<tr>
<td>Total depth of well:</td>
<td>325 ft.</td>
</tr>
<tr>
<td>Minimum chloride in 1987:</td>
<td>ppm</td>
</tr>
</tbody>
</table>

E. INSTALLED PUMP DATA
Pump type: □ Vertical shaft □ Submersible □ Centrifugal ☐ Other (specify): Flowing Well
Power: □ Diesel, ____ HP □ Gas, ____ HP □ Electric, ____ HP □ Other (specify): _____________
Pump capacity: _____________ gallons per minute
Pump installation contractor: _____________

... (continued over)

For Official Use Only:
Date received: _____________ Date accepted: _____________
Field checked by: _____________ Date: _____________
Longitude: _____________ State Well No.: 2101-01

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

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

Water use data are recorded: Daily ☐ Weekly ☐ Monthly ☑
Method of measurement: Flow Meter ☐ Orifice ☐
Quantity of Use (Report metered or estimated monthly water use from the well described on the reverse side of this form, for the calendar years 1983 through 1987. For a battery of wells which are not individually metered, but which are connected to a single meter or other measuring device, report total use from the battery):

Water Use, in Gallons x 1000

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>1,055</td>
<td>1,053</td>
<td>1,076</td>
<td>1,285</td>
<td>1,385</td>
</tr>
<tr>
<td>February</td>
<td>1,004</td>
<td>1,082</td>
<td>1,014</td>
<td>1,220</td>
<td>1,280</td>
</tr>
<tr>
<td>March</td>
<td>1,090</td>
<td>1,217</td>
<td>1,115</td>
<td>1,272</td>
<td>1,464</td>
</tr>
<tr>
<td>April</td>
<td>1,224</td>
<td>1,120</td>
<td>1,119</td>
<td>1,214</td>
<td>1,266</td>
</tr>
<tr>
<td>May</td>
<td>1,108</td>
<td>1,092</td>
<td>1,116</td>
<td>1,424</td>
<td>1,320</td>
</tr>
<tr>
<td>June</td>
<td>0.918</td>
<td>0.991</td>
<td>1.028</td>
<td>1.497</td>
<td>1.172</td>
</tr>
<tr>
<td>July</td>
<td>0.928</td>
<td>1.097</td>
<td>1.072</td>
<td>1.488</td>
<td>1.205</td>
</tr>
<tr>
<td>August</td>
<td>0.895</td>
<td>1.082</td>
<td>1.231</td>
<td>1.528</td>
<td>1.249</td>
</tr>
<tr>
<td>September</td>
<td>0.911</td>
<td>0.979</td>
<td>1.253</td>
<td>1.288</td>
<td>1.266</td>
</tr>
<tr>
<td>October</td>
<td>0.915</td>
<td>0.984</td>
<td>1.253</td>
<td>0.923</td>
<td>1.311</td>
</tr>
<tr>
<td>November</td>
<td>0.893</td>
<td>0.883</td>
<td>1.195</td>
<td>1.196</td>
<td>1.255</td>
</tr>
<tr>
<td>December</td>
<td>0.994</td>
<td>0.959</td>
<td>1.210</td>
<td>1.293</td>
<td>1.331</td>
</tr>
<tr>
<td>ANNUAL</td>
<td>11,935</td>
<td>12,539</td>
<td>13,682</td>
<td>15,628</td>
<td>15,504</td>
</tr>
</tbody>
</table>

Minimum day's use: N/A gallons
Maximum day's use: N/A gallons
Typical times of usage: 24 Hours

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

- Municipal (Including resorts, hotels, businesses)
- Domestic (systems serving 25 people or less)
- Irrigation
- Industrial
- Military
- Other (specify)

Additional Information

- Number of service connections:
- Acres irrigated:
- Crop(s):
  - Sugar
  - Pineapple
- Non-Crop:
  - Landscape
  - Golf Course
- Method:
  - Drip
  - Furrow
  - Sprinkler
- Cooling
- Manufacturing
- Mill
- Other (specify): Livestock Slaughter (cattle, hogs, goats, sheep)
- Livestock, aquaculture, etc.: Specify

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

Water User's Signature: [Signature]
Printed Name: [Printed Name]
Firm or Title (Well Operator, etc.): [Firm or Title]
Date: 2/2/09
Division of Water Resource Management
P O Box 373
Honolulu Hawaii 96809

February 13, 1989

To whom it may concern:

Attached is our Registration of Well and Declaration of Water Use for the well we operate at our Honouliuli slaughterhouse (#2101).

Much of the information requested under section D. Well Data is not readily available to us. In discussions with personnel at your office, we were told to fill in that which was available to us and to leave the rest blank. We were told that because we have a well number, the information would be available in your files. I have filled in some information under Well Data which I had found in our files. I cannot attest to the accuracy of this information as my understanding is that this well is over forty years old, and would think that your existing records are probably more accurate.

If there is anything else that is missing that you require to Register this well, please let us know as soon as possible, so that we are not in violation of this new water code.

Sincerely,

Alan Gottlieb
Vice President
TO: Mr. Manabu Tagomori  
Manager & Chief Engineer  
Division of Water & Land Development  
Department of Land & Natural Resources  
State of Hawaii  
P.O. Box 373  
Honolulu, Hawaii 96809

ATTENTION: Mr. Edward Sakoda

SUBJECT: Well Use Permit for Kahua Meat Co., Ltd.

We are sending your attached herewith:

<table>
<thead>
<tr>
<th>No. of Copies</th>
<th>Description or Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set</td>
<td>Plans and Specifications dated Aug. 15, 1988</td>
</tr>
</tbody>
</table>

(LOCATED IN ED SAKODA'S MAP CASE - 10/88)

General Remarks:

The above item is submitted for your use and files, as requested during processing of the well use permit. (State Well No. 2101-01. Permit received January 22, 1988).

If there are any questions, please call the undersigned.

Very truly yours,
AKINAKA & ASSOCIATES, LTD.

By
Ronald T. Yama  
Senior Vice-President

C.C. Mr. Alan Gottlieb  
Kahua Meat Co., Ltd.
PROPOSAL AND SPECIFICATIONS

FOR

KAHUA MEAT CO., LTD.

DOMESTIC WATER SYSTEM IMPROVEMENTS

AT

HONOULIULI, EWA, OAHU, HAWAII

OWNER: KAHUA MEAT CO., LTD.

PREPARED BY

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS
HONOLULU, HAWAII

August 1988

PRINTED (DATE)  AUG 15 1988
PROPOSAL
FOR
KAHUA MEAT CO., LTD.
DOMESTIC WATER SYSTEM IMPROVEMENTS
AT
HONOULIULI, EWA, OAHU, HAWAII

Honolulu, Hawaii

Kahua Meat Company, Ltd.
c/o Akinaka & Associates, Ltd.
250 North Beretania Street, Suite 300
Honolulu, Hawaii 96817

Gentlemen:

The undersigned hereby agrees, if this proposal is accepted, to furnish and pay for all materials, supplies, equipment, tools, labor, services and other incidental work necessary and/or proper to construct and install in place complete, the work embodied in and in strict accordance with the plans, contract documents, including the specifications, for KAHUA MEAT CO., LTD., DOMESTIC WATER SYSTEM IMPROVEMENTS, HONOULIULI, EWA, OAHU, HAWAII, including removal of existing steel pressure tank, clearing, grubbing, grading and construction of 1000 gallon hydro-pneumatic tank, piping, motor controller, and all work incidental thereto, required and called for under the Proposal, all according to the true intent and meaning of the Plans, Notice to Contractors, Instructions to Bidders, General Specifications, Special Provisions, Contract and Bond for:

KAHUA MEAT CO., LTD.
DOMESTIC WATER SYSTEM IMPROVEMENTS
AT
HONOULIULI, EWA, OAHU, HAWAII

All for a total lump sum of ____________________________________ DOLLARS
($ ____________), said total sum being itemized in Unit Price Bids shown as Items 1 to 3, inclusive, as follows:

PROPOSAL 1
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Estimated Unit</th>
<th>Description</th>
<th>Unit Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>L.S.</td>
<td>Furnishing and installing one (1) Hydro-pneumatic tank, concrete support, air compressor, piping, valves and all appurtenances inclusive of painting, in place complete, all in accordance with the plans and specifications, ready for operation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>L.S.</td>
<td>Furnishing and installing electrical equipment, inclusive of motor controllers, and power and electrical control wiring for all equipment, including existing pumps, all utility company charges for site, and all appurtenant power and electrical work inclusive of painting, electrical meter, and main breaker, in place complete.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>L.S.</td>
<td>Site excavation without classification, inclusive of embankment, clearing, grubbing, and disposal of excess unsuitable material. (Approx. 3 cu. yds.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL FOR HYDRO-PNEUMATIC TANK, AIR COMPRESSOR, PIPING APPURTENANCES AND MOTOR CONTROLLER**

Lump Sum $_________

PROPOSAL 2
The undersigned also agrees as follows:

1. It is understood and agreed that the total lump sum bid in the Proposal includes all material, equipment, tools, labor, services, supplies and all incidentals necessary or proper for the completion of the work in place, in strict accordance with the true intent of the Contract Documents.

2. It is also understood and agreed that the estimated quantities shown for items for which a unit price is asked in this Proposal are only for the purpose of comparing bids offered for the work under this contract on a uniform basis.

It is further understood that the quantities shown in the Proposal shall be used as a guide in the preparation of bids. The Contractor shall be responsible for his own takeoff of quantities for his bid.

It is also understood and agreed that the Contractor will make no claim for anticipated profit or loss or profit because of a difference between the quantities of the various classes of work done or the materials and equipment actually installed and the said estimated quantities.

3. It is also understood and agreed that the liquidated damages shall be $500.00 for each calendar day after the time for final completion as stated in Section SP 4 of the Special Provisions: Time is of the essence.

4. It is also understood and agreed that all items are lump sum bid items.

5. It is also understood and agreed that the bids will be compared on the basis of the total lump sum bid for all items contained in the Proposal.

6. It is also understood and agreed that the Owner reserves the right to accept or reject any bid and to waive all defects therein.

Respectfully submitted,

BIDDER

ITS

ADDRESS

PROPOSAL 3
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 1</td>
<td>Description of Work</td>
</tr>
<tr>
<td>SP 2</td>
<td>Order of Authority</td>
</tr>
<tr>
<td>SP 3</td>
<td>Schedule of Work and Time of Completion</td>
</tr>
<tr>
<td>SP 4</td>
<td>Liquidated Damages</td>
</tr>
<tr>
<td>SP 5</td>
<td>Contractual Relations of Parties</td>
</tr>
<tr>
<td>SP 6</td>
<td>Dust and Other Nuisance</td>
</tr>
<tr>
<td>SP 7</td>
<td>Protection of All Existing Utilities</td>
</tr>
<tr>
<td>SP 8</td>
<td>Earthwork</td>
</tr>
<tr>
<td>SP 9</td>
<td>Overtime Inspection Charges</td>
</tr>
<tr>
<td>SP 10</td>
<td>Safety Standards</td>
</tr>
<tr>
<td>SP 11</td>
<td>Hydro-pneumatic System</td>
</tr>
<tr>
<td>SP 12</td>
<td>Electrical Work</td>
</tr>
</tbody>
</table>
SECTION SP 1 - DESCRIPTION OF WORK

The work consists of site excavation and the furnishing and installation of all materials for water system including labor, tools and equipment in accordance with the construction plans prepared by Akinaka & Associates, Ltd. or as required by the specifications, in place complete.

The work to be done includes, but is not limited to, the installation of the hydro-pneumatic tank, air compressor, piping and motor controller and other appurtenances as called for on the plans.

Upon completion, the Contractor shall coordinate and be responsible for the testing and satisfactory operation of the existing pumps, hydro-pneumatic tank, air compressor and motor controller. Any deficiency noted in the testing shall be corrected by the Contractor. The Engineer shall be notified one week in advance of the date of testing.
SECTION SP 2 - ORDER OF AUTHORITY

In cases of discrepancy between documents, the Engineer will determine the governing document.
SECTION SP 3 - SCHEDULE OF WORK AND TIME OF COMPLETION

The Contractor shall submit to the Engineer, a detailed performance schedule for the work contracted, not more than ten consecutive calendar days after the date of written notice to proceed.

The time of completion for final completion shall be not more than 60 consecutive calendar days after the date of written notice to proceed; time is of the essence.
SECTION SP 4 - LIQUIDATED DAMAGES

The liquidated damages shall be $500.00 for each calendar day from and after the time for final completion, all as stated above in Section SP 3; time is of the essence for final completion. No extension of time will be permitted for any alternations/extra work except as agreed in writing.
SECTION SP 5 - CONTRACTUAL RELATIONS OF PARTIES

The Contractor shall be responsible under the contract for the acts and omissions of his subcontractors, suppliers and persons either directly or indirectly employed by them, as fully as he is responsible for acts and omissions of his own employees. Nothing in the contract shall create any contractual relation between any subcontractor or supplier and the Owner, or any obligation on the part of the Owner to pay or cause to be paid any money to any subcontractor or supplier.
SECTION SP 6 - DUST AND OTHER NUISANCE

The Contractor shall exercise extreme care during construction to prevent and eliminate excessive quantities of dust and other nuisances and shall be responsible for acting upon all complaints involving dust and other nuisances caused directly or indirectly by his work. The Contractor shall defend and hold the Owner and the Engineer free and harmless from all claims and damages arising or growing out of or during the performance of said work. The cost for control of dust and other nuisances shall be considered incidental to the project and included in the lump sum bid for the various items of work.

Special Provisions 6-1
SECTION SP 7 - PROTECTION OF ALL EXISTING UTILITIES

The Contractor shall be responsible for the protection of all existing utilities whether or not shown on the plans. The Contractor shall notify the respective agencies prior to excavation and construction around existing lines.
SECTION SP 8 - EARTHWORK

Grading work and sitework shall conform to Chapter 23 of Revised Ordinances of Honolulu, 1978, as amended.
SECTION SP 9 - OVERTIME INSPECTION CHARGES

The Contractor shall be responsible for all charges for overtime inspection performed at his request, by the Engineer.
SECTION SP 10 - SAFETY STANDARDS

The Contractor shall comply with the standards of the Occupational Safety and Health Administration and all applicable Federal, State and City and County laws and regulations relating to safety in the performance of the work.
SECTION SP 11 - HYDRO-PNEUMATIC SYSTEM

SP 11.1 GENERAL DESCRIPTION

This section covers furnishing, installing and testing of the hydro-pneumatic system used to pressurize domestic water system.

SP 11.2 AIR COMPRESSOR AND AIR STORAGE TANK

A. Air compressor shall be a vertical, tank mounted, factory-assembled unit. Compressor shall be a belt-driven, oil lubricated, reciprocating unit designed for an operating pressure in the range of 145-175 psi. Motor shall be a 1-1/2 HP, 208 volt, three phase, 1750 RPM, 60 Hertz unit with automatic reset thermal overload protection. Assembly shall be complete with belt guard, automatic pressure switch, pressure gauge safety valve, drain cock, shut off valve and a flexible coupling.

B. Air receiver shall be vertical, welded steel tank with mounting feet conforming to ASME Code for Unfired Pressure Vessels. Receiver shall be rated for 175 psi duty and shall bear an ASME stamp. Receiver capacity shall be 60 gallons. The entire assembly shall be thoroughly cleaned of rust and scale, have all sharp edges and corners ground smooth, and shall receive a shop coat of manufacturer's standard metal primer.

C. Acceptable manufacturers are Ingersoll-Rand, Champion, Curtis, Kellog, American, or approved equal. Complete detailed manufacturer's data on the assembly shall be submitted to and approved by the Engineer before order is placed.

SP 11.3 HYDRO-PNEUMATIC TANK

Hydro-pneumatic tank shall be glass lined, horizontal, welded steel tank with steel saddles having a volume of 1,000 gallons, and a rated operating pressure of 125 psi. Tank shall bear an ASME seal as conforming to the ASME Code for Unfired Pressure Vessels. Accessories shall include a pressure manhole, two 2-inch NPT threaded water connections, 1/2-inch threaded NPT air connection, and air relief valve set for 100 psi, a pressure type bronze sight gauge with shutoff valve and drain, and connections for the electrode enclosure. The tank shall be bolted to the concrete pad as detailed. After shop assembly and testing, the tank shall be blast-cleaned and shop coated and painted as specified under PAINTING Section. A pressure relief valve shall
be provided as shown in the plans. The valve shall be bronze with test lever, Crane No. 2602, 2-inch, or approved equal, set at 100 psi.

HYDRO-PNEUMATIC SYSTEM PUMPS

A. Number of Existing Pumps: Two (2)
B. Type: Horizontal, Single Stage, Turbine Type.
C. Motor Horsepower: 10 HP, 3500 RPM, Open, Drip-proof Type.
D. Power: 3 phase, 208 volt, 60 Hertz.
E. Pump Manufacturer's Model No: N/A
F. Pump Capacity: 100 gpm at a total head of 200 feet, operating at 3500 RPM.

HYDRO-PNEUMATIC SYSTEM CONTROLLER (See Electrical Specifications)

PAINTING

The Hydro-pneumatic tank, compressors, existing pump and piping shall be painted as specified herein.

A. Preparation: Surface preparation shall be in strict conformance with the paint manufacturer's specifications.
B. Finish: Shop coats shall be coatings applied in the shop.

Factory finishes shall be the manufacturer's standard coating for its finished products and shall not be confused with shop coats.

Painting shall be at rates of application per layer in strict accordance with the manufacturer's direction to achieve the total dry film thickness. Paint thickness shall be 3 mil minimum dry film thickness (DFT) unless otherwise specified.

C. Existing Metal Surface: Existing metal surfaces shall be cleaned and prepared in accordance with the paint manufacturer's specifications prior to applying the prime and finish coats.

D. Color Schedule: Hydro-pneumatic tank, compressor, existing pumps, and piping shall be painted with Dupont, EC-106 Briney green or approved equal.
SECTION SP 12 - ELECTRICAL WORK

SP 12.1 GENERAL DESCRIPTION

A. Work shall consist of providing all articles, materials, equipment, operations and services herein or on drawings, including all labor, materials, taxes, fees, insurance and incidentals required to insure completion.

B. General Requirements

1. Work shall include:
   a. Complete branch and feeder circuit systems.
   b. Complete lighting, receptacle and power systems.
   c. Complete hydro-pneumatic control system.

2. Other requirements include:
   a. Obtain electrical building permit, arrange for periodic inspection by local authorities and deliver certificates of final inspection to the Engineer.
   b. Maintain at project site a copy of drawings to record daily any additions or changes. After final inspection, prepare seven (7) copies of "as-built" drawings from the site copy and turn over to the Engineer.
   c. Test complete installation.
   d. Installation shall be complete in every detail as specified and ready for use. Any item supplied by the Contractor developing defects within one year of final acceptance by the Engineer shall be replace by such materials, apparatus or parts to make such defective portion of complete system conform to true intent and meaning of these drawings and specifications, at no cost to the Owner.

3. Work by Others
   a. During construction, the Contractor shall coordinate his work with other trades to avoid omissions and overlapping responsibilities. The contractor shall notify other trades and suppliers of project voltages.

4. Regulations and Codes
   a. Material and equipment shall be new and those items listed by Underwriters' Laboratories shall bear "UL" label of approval.
b. Brand names, manufacturer's names and catalog numbers indicate standard of design and quality required. Substitute materials may be used if qualified. List of substitute material, together with qualifying data, shall be submitted for approval ten days before bid opening.

c. Submission shall be as follows:

EXAMPLE:

<table>
<thead>
<tr>
<th>Item</th>
<th>Manufacturing and Catalog Number Specified</th>
<th>Substitute Manufacturer &amp; Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable</td>
<td>Ace - No. 3200</td>
<td>King - No. 2200</td>
</tr>
</tbody>
</table>

d. Qualifying data include catalog cuts, shop drawings and/or specifications to show equality with material specified herein.

e. Applicable rules, standards and specifications of following associations shall apply to materials and workmanship:

- National Electrical Manufacturers Association (NEMA)
- American National Standards Institute (ANSI)
- Institute of Electrical and Electronic Engineers (IEEE)
- National Fire Protection Association (NFPA)
- Insulated Power Cable Engineers Association (IPCEA)
- Underwriters' Laboratories, Inc. (UL)

f. Comply with local ordinances and regulations of the City and County of Honolulu. Workmanship subject to approval of the Engineer, who shall be afforded every opportunity to determine skill and competency. Concealed work may be reopened at random during formal inspection by the Engineer.

5. These specifications are accompanied by architectural plans of building, site plans and diagrammatic electrical plans showing locations of outlets, switches, service runs, feeder runs, devices, and other electrical equipment. Locations are approximate and before installing, Contractor shall study adjacent construction details and make installation in most logical manner. Any device may be relocated within 10 feet before installation at direction of the Engineer without additional cost to the Owner.
Before installing, verify all dimensions and sizes of equipment at job site. Circuit and conduit routing is typical and may be altered in any logical manner; however, all changes shall be approved by the Engineer and shown on "as-built" drawings.

SP 12.2 SUBMITTALS

A. Submit for approval seven (7) copies of shop drawings or catalog cuts of following equipment in accordance with the requirements of the Special Provisions, and resubmit until approval is received:

1. Lighting fixtures.
2. Panelboard.
3. Dry type transformer.
5. Relays

Shop drawings shall be submitted in conformance with the requirements of the Special Provisions.

B. Operations and Maintenance Instructions

1. The Contractor shall provide the Engineer, in accordance with the requirements of the applicable section of the Special Provisions, the following:

   a. Seven (7) sets of the corrected and coordinated manufacturer's drawings including one line, elementary control, connection, and interconnection diagrams of all control components and electrical equipment.

   b. Seven (7) sets of as-built electrical contract drawings complete with equipment and conduit schedules and all electrical circuits as identified.

SP 12.3 MATERIALS

A. Raceways

1. Minimum size of raceways shall be 3/4 inch trade diameter.

2. Conduits shall be galvanized rigid steel conduit, round bore electrical conduit, and for use with threaded fittings. Manufacture and install in accordance with NEC Article 346. Electrical metallic tubing EMT may be used only in interior locations. Aluminum conduits will not be permitted.
3. Flexible conduit shall be liquid tight, flexible steel, zinc-coated, jacketed with high density polyethylene, and for factory approved fittings.

B. Outlet and Small Junction Boxes

1. Boxes in dry area shall be NEC code gage steel, galvanized, 4 inch square by 1-1/2 inch deep minimum, except as noted below.

2. Exterior boxes and boxes subject to moisture shall be galvanized cast steel with threaded hubs.

C. Device and Cover Plates

1. Plates shall be galvanized.

D. Wires and Cables

1. Conductors copper, No. 12 AWG minimum. Conductors No. 10 and smaller, solid and round. Conductors No. 8 and larger, 7 or 19 strands, concentric. All conductors No. 6 and smaller shall be NEC type, THW. All conductors No. 4 and larger shall be type THW, or XHHW. Wiring in fluorescent lighting fixtures shall be NEC type THHN. All control wiring shall be extra flexible color coded, type MTW, #14 AWG minimum.

E. Panelboard

1. Panelboard shall be load center type with plug-in molded plastic case circuit breaker complement. Enclosure shall be steel with hinged door, latch, and circuit directory.

F. Hardware, Supports, Backing, Etc.

1. Provide all hardware, supports, backing and other accessories necessary to install electrical equipment. Wood materials "Wolmanize" treated against termite; iron or steel materials galvanized for corrosion protection and non-ferrous materials shall be brass or bronze.

G. Toggle switch shall be AC rated quiet type, specification grade, with side wiring captively held binding screws. They shall be color coded for current rating and shall conform to WD-1-2.03 through WD-1-2.06 of NEMA Standard WD-1. Unless otherwise indicated, switch handle shall be brown and shall be rated 20A, 120-277 volts.
H. Duplex convenience receptacle of 15 amperes, 125 volts rating shall be grounding type, specification grade, with size wiring captively held binding screws, NEMA configuration 5-15R. They shall conform to WD-1-3.03 approved feature for automatic grounding.

I. Provide light fixtures complete with necessary stems, lamps and accessories according to "Luminaire Schedule".

1. Fixtures manufactured from sheet metal, protected by bonderize "bonderite" or cryscoat process or equal and baked white enamel finished, reflectance of 80 percent. Finishing and process shall resist corrosion in a 300 hour salt spray test.

2. Fluorescent ballast rated UL Class P.

J. Motor Controls

Each motor shall be provided with a suitable controller and devices that will perform the functions as specified for the respective motors. Each motor shall be provided with thermal-overload protection. Polyphase motors shall have overload protection in each ungrounded conductor. The overload-protection device shall be provided with the motor controller. Unless otherwise specified, the protective device shall be of the manually reset type. Single- or double-pole tumbler switches specifically designed for alternating-current operation only may be used as manual controllers for single-phase motors having a current rating not in excess of 80 percent of the switch rating. Automatic-control devices such as thermostats, float or pressure switches may control the starting and stopping of motors directly, provided the devices used are designed for that purpose and have an adequate horsepower rating. When the automatic-control device does not have such a rating, a magnetic starter shall be used, with the automatic-control device actuating the pilot-control circuit. When combination manual- and automatic-control is specified and the automatic-control device operates the motor directly, a double-throw, three-position tumbler or rotary switch shall be provided for the manual control; when the automatic-control device actuates the pilot control circuit of a magnetic starter, the latter shall be provided with a three-position selector switch marked MANUAL-OFF-AUTOMATIC. Connections to the selector switch shall be such that only the normal automatic regulatory control devices will be bypassed when the switch is in the Manual position; all safety control devices, such as low- or high-pressure cutouts, high-temperature cutouts, and motor-overload protective devices, shall be connected in the motor-control circuit in both Manual and the Automatic positions of the selector switch. Control circuit connections to any
MANUAL-OFF-AUTOMATIC switch or to more than one automatic regulatory control device shall be made in accordance with wiring diagram approved by the Engineer unless such diagram is included on the drawings. All controls shall be 120 volts or less unless otherwise indicated.

K. Hydro-Pneumatic System Controller

The hydro-pneumatic system controller shall be manufactured by B/W Controls, Inc., or approved equal, and shall control the tank water level by the use of electrodes located at the tank. The controller shall automatically operate both pumps in the event that one pump does not handle the load. Air shall be added into the tank only when the pumps are idle. A tank operating pressure switch shall operate an air solenoid valve to maintain the pressure between 50 and 85 psi.

1. Controller

The controller shall be enclosed in a wall mounted control panel and shall include:

a. Pressure switch to operate air solenoid valve.

b. Pressure gauge (200 psi range).

c. Alternator to alternate pump starts.

d. Relays.

2. Electrodes

The electrode level probes shall be made of 0.25 inch diameter Type 316 stainless steel rods and shall be housed in an external chamber. Three probes shall be provided. One electrode shall be set to stop both pumps when the tank is 60 percent full. Of the remaining two electrodes, one shall be set to start one pump when the tank level drops to LML and the other electrode shall be set four inches lower to start the second pump if one pump cannot handle the load. SEE PLANS FOR DETAILS.

3. Pressure Switch

The pressure switch provided shall control the addition of air to the hydro-pneumatic tank. The switch shall be set to add air from the air compressor tank on a drop to 50 psi. Addition of air shall occur only when the pumps are idle.
4. Air Solenoid Valve

Air Solenoid valve shall be ASCO 8210D2, or approved equal.

L. Circuit breakers shall be UL listed and conform to the requirements of NEMA Standard AB 1. Breakers shall be molded cast type with inverse time delay overload and instantaneous short circuit protection by a thermal magnetic element. Interrupting capacity shall be as indicated on the drawings. Current ratings are RMS symmetrical. Enclosures shall be NEMA 1, surface mounted.

M. Junction boxes fabricated of galvanized sheet steel and provided with screw cover.

N. Dry transformer provided in accordance with ANSI-NEMA standards, ANSI sound rating, and for 60 cycles application. Unit shall be completely metal enclosed. Transformer life shall be not less than as defined in IEEE #65.

SP 12.4 INSTALLATION

A. Construction shall conform to construction practices as recommended by the American Electricians Handbook by Croft (latest Edition), National Electrical Code, and applicable instructions of manufacturers of equipment and material supplied for this project.

1. Grounding

a. Ground all services, motors, metallic enclosures, raceways and electrical equipment according to requirements of National Electrical Code, Article 250. Final connection to equipment, raceways, motors, grounding type receptacles and other metallic parts directly exposed to ungrounded electric conductors shall be made by continuous metal raceways or with conductors, No. 12 minimum, AWG copper, NEC type TW, green insulation.

b. Service ground shall be connected to 5/8" x 8' copper-clad steel ground rod and to metallic water pipe. Resistance to ground shall be less than 25 ohms.

c. In all PVC conduit runs, include green TW copper wire connected to ground bus for grounding non-grounded metallic electrical components.

d. Install all grounding wire within buildings in conduits. Where practicable run all ground wire together with circuit conductors.
2. Conduits

a. All conduits shall be rigid steel. Conduits below ground floor slab shall be PVC conduit. Provide #14 gage galvanized steel pull wire in all empty conduits. EMT may be used in interior locations only.


c. Bends and offsets shall be made with hickey or conduit-bending machine. Do not use vise or pipe tee. Make bends so that interior cross-sectional area will not be reduced. Radius of curve of inner edge of field bend should not be less than ten times the internal diameter of conduit. Use of running threads not permitted.

d. Cap conduits during construction with plastic or metal-capped bushings to prevent entrance of dirt or moisture. All conduits swabbed out and dried before wires or cables are pulled in.

e. Install conduits free from other piping, valves or mechanical equipment.

f. Fish wires, cords, strings, chains or the like shall not be placed or inserted in the conduit system during installation.

g. Install insulating bushings and two locknuts on each end of every run of conduit at enclosures and boxes.

h. Securely fasten conduits in place to all outlet boxes and to structure or support. Project adequate number of conduit threads through box for bushings. Make anchorage for 1-1/2 inches and smaller conduit with the one-hole galvanized conduit straps or clamps. Anchor 2 inches and large conduit with galvanized malleable iron "U" clamps or equal fittings.

i. Install exposed conduits parallel with, or at right angles to, structural or architectural elements. Securely fasten conduits in place with on-hole galvanized pipe straps with screws or bolts and spaced not more than 5 feet apart.

j. Conduit runs with two 90 degree bends or equivalent, 100 feet maximum without pull box.

k. Use minimum 3/4 inch size of conduit.
3. Boxes and Enclosures
   a. Form large pull boxes and special purpose cabinets without knockouts.
   b. Install boxes plumb and exactly flush.

4. Conductors
   a. Pulling tension shall not exceed wire manufacturer's recommendation.

5. Splicing
   a. Wires shall be formed neatly in enclosures and boxes. Splices made according to NEC Article 110.
   b. Use eye or space lugs at each connection to machine tool wires.
   c. Connect conductors #10 and smaller with crimp connectors. Conductors #8 and large spliced with solderless clamp or compression (indent) sleeve connectors. Wire-nut type connector may be used for light fixtures only.
   d. Reinsulate splices according to wire manufacturer's instructions. Splice insulation shall be 150 percent in thickness of original wire insulation and of same electrical and mechanical characteristics. Insulating tape (600V use) shall be neoprene, manufactured by Okonite Company, Plymouth Rubber Co., or equal. Jacketing tape shall be high density cold setting adhesive tape, Scotch No. 33 by Minnesota Mining and Manufacturing Company, Permacel, or equal.

6. Lighting fixtures securely and safely supported by means of fixture studs in the outlet boxes or other approved means. Ceiling fixtures arranged to hand vertically unless otherwise directed by the Engineer. Provide accessories such as straps, mounting plates, nipples or brackets for proper installation.

7. Finishing
   a. Structural and architectural elements cut or drilled for installation of electrical system then patched, repaired and restored. Drilling, cutting, patching, repairing and restoring subject to approval of the Engineer.
B. Tests

1. General

   a. Contractor shall provide all material, equipment, labor and technical supervision to perform such test and inspection.

   b. It is the intent of these tests to assure that all electrical equipment supplied is operational within industry and manufacturer's tolerances and is installed in accordance with manufacturer's recommendations, standard practices, and as specified herein.

   c. No equipment shall be energized until such tests are conducted, all deficiencies corrected, and report is submitted to the Engineer. Technical supervisor of the testing shall certify in writing that equipment is ready to be energized.

   d. The test reports shall include the following:

      (1) Description of equipment tested.
      (2) Technical supervisor's name.
      (3) Engineer witness of test.
      (4) Description of test procedure.
      (5) List of test equipment and calibration date.
      (6) Test result of each test conducted.
      (7) Deficiencies and corrective action taken.

   e. Seven (7) copies of the test report shall be submitted to the Engineer.

2. Grounding Systems

   a. Visual and Mechanical Inspection

      (1) Inspect ground system for compliance with plans and specifications.

   b. Electrical Tests

      (1) Perform fall of potential test per IEEE Standard No. 81, Section 9.04, on the main grounding electrode or system.
(2) Perform the two-point method test per IEEE No. 81, Section 9.03, to determine the ground resistance between the main grounding system and all major electrical equipment frames, system neutral and/or derived neutral points.

(3) Alternate Method

(a) Perform ground continuity test between main ground system and equipment frame, system neutral and/or derived neutral point. This test shall be made by passing a minimum of 10 amperes D.C. between ground reference system and the ground point to be tested. Voltage drop shall be measured and resistance calculated by voltage drop method.

c. Test Values

(1) The main ground electrode system resistance to ground should be no greater than 25 ohms.

3. All control circuits shall be given an operating test. The circuits shall be demonstrated to operate in accordance with the requirements of this specification.
Kahua Meat Company, Ltd.
3140-D Ualena Street
Honolulu, Hawaii 96819

Gentlemen:

I am pleased to inform you that the Board of Land and Natural Resources at its meeting of January 22, 1988, approved your request to withdraw 0.088 million gallons per day (mgd), in addition to your present preserved use of 0.022 mgd, for a total authorized use of 0.110 mgd.

Attached for your information and files is a copy of the approved Board submittal and the Water Use Permit.

Very truly yours,

WILLIAM W. PATY, Chairperson
Board of Land and Natural Resources
PERMIT
TO WITHDRAW AND USE GROUND WATER

Applicant: Kahua Meat Co., Ltd. Application Date: 10/07/87
Address: 3140-D Ualena Street Honolulu, HI 96819
Ground Water Control Area: Pearl Harbor Subarea: Koolau
Well(s) Name: Kahua Meat Co. State Well No.(s): 2101-01
Amount of Withdrawal: (Average Annual) 0.088 mgd
Beneficial Purpose of Withdrawal: Slaughtering and related activities
Area or Projects Served: Kahua Meat Company's Honouliuli plant

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

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

Additional Conditions.
1. Kahua Meat Company, Ltd's total authorized use is as follows:
   Preserved Use 0.022 mgd
   Permitted Use 0.088 mgd
   Total Authorized Use 0.110 mgd

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

3. Efforts shall be made to conserve water as described in the permit application. The proposed improvements shall be completed within 24 months from the date of issuance of the permit.

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

The issuance of this permit was approved by the Board of Land and Natural Resources at its meeting on January 22, 1988

Chairperson of the Board
Date of Issuance: February 9, 1988
Chairperson and Members
Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

Kahua Meat Company, Ltd. Water Use Permit Application
Pearl Harbor Ground Water Control Area, Oahu

Applicant:

Kahua Meat Company, Ltd.
3140-D Ualena Street
Honolulu, Hawaii 96819

Background: Kahua Meat Company, Ltd. (Kahua Meat) has been slaughtering cattle at their Honouliuli facility since the 1920's. When the Pearl Harbor Ground Water Control Area was designated in 1979, Kahua Meat was slaughtering about 20 head of cattle per day and was using water at approximately 0.022 million gallons per day (mgd) from their well (State Well No. 2101-01). Their preserved use was set at 0.022 mgd. During the past several years, the slaughtering operations have increased from 20 to 50 head of cattle per day. In 1986, the facility was upgraded to conform to federal inspection standards and Kahua Meat has recently received approval from the U.S. Department of Agriculture to slaughter hogs in a planned addition to the slaughterhouse. Total water requirements are estimated to be 0.110 mgd.

Action Requested: To withdraw 0.088 mgd more than their preserved use of 0.022 mgd for a total of 0.110 mgd.

Use: The water will be used for Kahua Meat's slaughtering operations and related activities. Water of potable quality is required to conform to federal inspection standards.

Well Location: The existing well (State Well No. 2101-01) is located at Kahua Meat's Honouliuli plant along Fort Weaver Road in Ewa.

Impact on Surrounding Wells: The increased use will not adversely affect any existing sources in the area.

Water Availability: The status of the Koolau Subarea of the Pearl Harbor Ground Water Control Area is as follows:

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<th>Type</th>
<th>Quantity</th>
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<tr>
<td>Sustainable Yield</td>
<td>200,000 mgd</td>
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<tr>
<td>Preserved Use</td>
<td>172,904 mgd</td>
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<tr>
<td>Permitted Use</td>
<td>27,006 mgd</td>
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<tr>
<td>Total Authorized Use (preserved &amp; permitted)</td>
<td>199,910 mgd</td>
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<tr>
<td>Water Available for Allocation</td>
<td>0.090 mgd</td>
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Approved by the Board of Land & Natural Resources
at the meeting held on
JAN 22 1988
Chairperson and Members
Board of Land and Natural Resources
January 22, 1988

RECOMMENDATION:

That the Board approve the issuance of a Water Use Permit to Kahua Meat Company, Ltd. to withdraw 0.088 mgd more than their preserved use of 0.022 mgd for a total authorized use of 0.110 mgd. The water is to be used for their slaughtering operations and related activities. The approval is subject to the requirements of other applicable laws, rules and ordinances, and the following conditions:

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

(2) Efforts shall be made to conserve water as described in the permit application.

Respectfully submitted,

MANABU TAGOMORI
Manager-Chief Engineer

APPROVED FOR SUBMITTAL:

WILLIAM W. PATY, Chairperson
PUBLIC NOTICE
Consideration of a Water Use Permit Application in the Pearl Harbor Ground Water Control Area, Oahu
All interested parties are hereby notified that the Board of Land and Natural Resources plans to act on the following item at its regularly scheduled meeting on Friday morning, January 22, 1988, 9:00 a.m., Room 132, Kalanikou Building, 1151 Punchbowl Street, Honolulu, Hawaii.

Kahua Meat Company, Ltd. requests an additional water use of 0.088 million gallons per day for its Honolulu plant.

State of Hawaii
BOARD OF LAND
AND NATURAL
RESOURCES
Libert K. Landgraf
For: WILLIAM W. PATY
Chairperson of the Board
Dated: Jan. 6, 1988
(Hon. S.B.: Jan. 11, 1988)
PUBLIC NOTICE

Consideration of a Water Use Permit Application in the Pearl Harbor Ground Water Control Area, Oahu

All interested parties are hereby notified that the Board of Land and Natural Resources plans to act on the following item at its regularly scheduled meeting on Friday morning, January 22, 1988, 9:00 a.m., Room 132, Kalanimoku Building, 1151 Punchbowl Street, Honolulu, Hawaii.

Kahua Meat Company, Ltd. requests an additional water use of 0.088 million gallons per day for its Honouliuli plant.

State of Hawaii
BOARD OF LAND AND NATURAL RESOURCES

[Signature]
WILLIAM W. PATY
Chairperson of the Board

Dated: JAN 6 1988

Publish in the Honolulu Star Bulletin,
January 11, 1988
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<th>QUAN.</th>
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"Consideration of a Water Use Permit Application in the Pearl Harbor Ground Water Control Area, Oahu"

NOTICE ATTACHED (any questions, call 548-7619)

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The State of Hawaii is an EQUAL EMPLOYMENT OPPORTUNITY and AFFIRMATIVE ACTION employer. We encourage the participation of women and minorities in all phases of employment.
DIVISION OF WATER AND LAND DEVELOPMENT

FROM: [Signature]

TO: INITIAL:

PLEASE:

M. TAGOMORI See Me
G. Matsumoto Take Action By
L. Chang Route to Your Branch
G. Akita Review & Comment
D. Lum Draft Reply By
S. Miyamoto Acknowledge Receipt
S. Samuels Xerox copies
P. Haraguchi Return
N. Imada File
P. Matsuo Mail
N. Kaneshiro For Information
R. Suzuki S. Kokubun
D. Hamada
L. Nanbu
F. Ching

REMARKS: (note: Ed Sakoda has 1 copy)

ACKNOWLEDGE RECEIPT

[Signature]
ATTENTION: Mr. Edward Sakoda

SUBJECT: Kahua Meat Co., Ltd.
Water Well Permit Application

We are sending you attached herewith:

<table>
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<tr>
<th>No. of Copies</th>
<th>Description</th>
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<tbody>
<tr>
<td>2</td>
<td>Sketches of existing and proposed water system improvements EXHIBITS 1 to 4 and plan of operation.</td>
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</tbody>
</table>

General Remarks:

As requested, the above item is for your attachments to the water well permit submitted by Kahua Meat Co., Ltd.

If there are any questions please call the undersigned.

Very truly yours,
AKINAKA & ASSOCIATES, LTD.

By: [Signature]

cc. Mr. Alan Gottlieb
Kahua Meat Co., Ltd.

Transmittal Form
CONNECT TO EXIST. 2" WATER LINES

EXIST. BLDG

ABANDON EXIST. TANK

CUT & PLUG

EXIST. WATER METER

NEW 2" WATER LINE

CUT & PLUG

EXISTING WELL

VALVE & V.B.

2" VALVE & VB

3" VALVE & VB

HIBIT 4

30, 1987
Pump Plan of Operation

Initial Condition - Pneumatic Tank Full, W.L. E.L. 0

Condition 1 - Water Level in Tank Drops 6' W.L. = 6'
(Pump No. 1 Starts)

Condition 2 - Water Level in Tank Drops 7' W.L. = 7'
(Pump No. 2 Starts)

Condition 3 - Water Level in Tank Rises to Full, W.L. = 0
Pump No. 1 & No. 2 Stops

Cycle Starts Again

Notes:
1. Air Compressor keeps water in tank under constant pressure.
2. Pressure in tank shall be set at 75 PSI.
Mr. Alex Napier, Jr.
3140-D Uelena Street
Honolulu, Hawaii 96819

Dear Mr. Napier,

Thank you for your letter of September 30, 1987 and the accompanying application for a Water Use Permit.

Please submit a $100 filing fee, made payable to the Department of Land and Natural Resources, to complete your application. Also, please submit a copy of your water system plans, including the plan for the proposed water storage facility as soon as they become available.

My staff will contact Alan Gottlieb of your office should we have further questions.

Very truly yours,

WILLIAM W. PATY
Chairperson of the Board
Mr. Alex Napier, Jr.
3140-D Uelena Street
Honolulu, Hawaii 96819

Dear Mr. Napier:

Thank you for your letter of September 30, 1987 and the accompanying application for a Water Use Permit.

Please submit a $100 filing fee, made payable to the Department of Land and Natural Resources, to complete your application. Also, please submit a copy of your water system plans, including the plan for the proposed water storage facility as soon as they become available.

My staff will contact Alan Gottlieb of your office should we have further questions.

Very truly yours,

[Signature]

WILLIAM W. PATY
Chairperson of the Board

MT:ES:ko
Mr. William W. Paty, Chairperson
Department of Land and Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809

September 30, 1987

Dear Bill:

At long last, we are ready to make our application for the increase in the water allocation which we need to proceed with our hog plans. I hope everything is in order. Through some modifications to our water system, I think we can get by with the 110,000 gallons per day we are applying for, rather than the 200,000 gallons per day I first talked to you about. As you well know, slaughtering requires a lot of water, and Kahua Meat continues to grow. We are attempting to fully utilize the slaughtering facilities with several shifts, and thereby bring our facilities to optimum capacity. Kahua Meat is an important agricultural employer in the Honolulu area, and we will increase the number of jobs with the new addition from 20 employees to 35 employees.

This is just about the last step we need to proceed, and I would sincerely appreciate your help in getting this approved as soon as possible. If there are any questions, have your people contact Alan Gottlieb at our office.

Sincerely,

Alex
Alex Napier Jr.

encl.
APPLICATION FOR: (check one)
☑ PERMIT TO WITHDRAW WATER FOR BENEFICIAL USE
☐ PERMIT TO SUPPLY WATER FOR BENEFICIAL USE

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

1. NAME OF APPLICANT: KAHUA MEAT COMPANY, LTD.
   Address: HONULULU HI
   Phone: 836-396
   Mailing Address: 3140-D VALENA ST HONOLULU HI 96819

2. REQUESTED BENEFICIAL USE OF WATER:
   ☐ Domestic ☐ Municipal ☐ Military ☐ Agricultural ☐ Industrial ☐ Other
   (specify)
   Appropriately describe nature and purpose of requested use: SLAUGHTER OF CATTLE AND HOGS

   Proposed commencement date of water use: DEC 1987

3. REQUESTED AMOUNT OF WITHDRAWAL OR SUPPLY: (110,000 gallons per day)
   Average Annual .110 mgd; Maximum Month .110 mgd; Maximum Day .110 mgd.
   Appropriately describe schedule or times of taking requested withdrawal:
   24 hours, seven days per week

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

5. PROPOSED SOURCE OF WATER SUPPLY:
   ☐ Existing source ☐ Modification of existing source ☐ New source
   Briefly describe existing or proposed source and any related facilities and submit map, plot plan, and plans or drawings of source of supply:
   Well number 2101-01, Existing pump to which we will be adding a pressure tank and a pressure control sequence

   If construction work is proposed for new or modified existing source, give:
   Commencement Date ______ when approved ______ Completion Date ______ Dec 87

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

   Signature: ____________________________  Date: 9/8/87
   Water User or Supplier

   Signature: ____________________________  Date: 10/5/87
   Owner of Water Source

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

For Official Use:
Docket No. ____________________________
180 days
Board Approved _______ Disapproved _______
Well No. ____________________________
KAHUA MEAT COMPANY, LTD.
ASSESSMENT OF REQUESTED WATER USE

Kahua Meat Company, Ltd has been slaughtering cattle at Honouliuli since the 1920’s. Starting off very small in those early years, the slaughtering operation has grown considerably. Today, Kahua Meat slaughters on average 50 head of cattle each day, up from 20 head per day just a few years ago. Current water allocation is 22,000 gallons per day. Last year, the slaughterhouse facilities were upgraded, including a $350,000 renovation which brought the slaughterhouse to Federal Inspection standards, from its previous State Inspection. With this upgrade, water needs have already increased with more stringent rules concerning washing cattle before slaughter. Today, more cattle through the facility on a consistent basis has required additional water for washing carcasses and offal products. A general rule of thumb is that 1,000 gallons of water is required to slaughter one animal, including cleanup. In addition, over the past several years the number of cattle trailer we own has increased from two to six. The nature of the use of these trailers requires their washing each time they are used. Furthermore, in October 1986 we began a new process of hide curing with the advent of a hide tumbler, purchased from the Mainland at a cost of over $30,000. This method has improved the quality of the hide from the old "salt pack" system that we used before. This system’s requirements include the washing of the hides in a tumbler similar to a concrete mixer. This operation requires 500 gallons of water per day. We have also begun slaughtering lambs one day each week. With all of these new operations we have seen our need for water increase, yet we have practiced conservation wherever possible, and have kept additional use to a minimum.

We have just received approval from the USDA to slaughter hogs, in a newly constructed wing to our slaughterhouse. Construction of this new wing will require an additional investment of $250,000. Originally, a cooperative of pork producers wanted to build their own slaughterhouse on a corner of the parcel we lease from Campbell Estate. Through several years of discussions we concluded that it would be most efficient to add on to the existing slaughterhouse rather than construct an entirely new facility. This has enabled many efficiencies, including further conservation of water.

We are in the process of having engineers design an efficient water storage system for us to help conserve water. A pressure tank, with a pressure control sequence will enable us to turn off water outlets when not in use, without the high pressure required for the slaughter and washdown bursting the pipes.

Total Water requirements are as follows:

<table>
<thead>
<tr>
<th>Animals</th>
<th>Water Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Cattle/day</td>
<td>50,000 gallons/day</td>
</tr>
<tr>
<td>120 Hogs &amp; sheep</td>
<td>60,000 gallons/day</td>
</tr>
</tbody>
</table>

Total water requirement: 110,000 gallons/day
Mr. Alex Napier, General Manager
Kahua Meat Co., Ltd.
3140-D Ualena Street
Honolulu, HI 96819
Attn: Mr. Alan Gottlieb

Dear Mr. Napier:

Thank you for your letter of January 2, 1987, concerning my appointment as Chairman of the Department of Land and Natural Resources and asking for help in providing water for Kahua Meat Company's plans for renovation. I apologize for the long delay in my response but we have not forgotten your request.

My staff has been in contact with Mr. Alan Gottlieb of your staff. We understand that Kahua Ranch's plan to add a hog and sheep slaughter facility has not yet been finalized. Your letter indicated a total water requirement from Well 2101-01 of about 200,000 gallons per day (gpd), which would be 178,000 gpd over the present preserved use of 22,000 gpd. Mr. Gottlieb has mentioned that it may be feasible to put in a reservoir and storage system that would reduce the total requirement to about 70,000 gpd.

Kahua Ranch's well is located in the most heavily pumped sector of the Pearl Harbor Ground Water Control Area. Presently, only 90,000 gpd is available for allocation in the effected Koolau Subarea. Hence, we appreciate your efforts to make more efficient use of the water supply.

Enclosed is an application for a Water Use Permit. My staff will work with Mr. Gottlieb in preparing the application for submittal upon finalization of your renovation plans.

Thank you again for your letter. We will do all we can to help you.

Very truly yours,

WILLIAM W. PATY
Chairperson of the Board

Enc.
DEAR BILL:

I would first like to congratulate you on your recent appointment as Chairman of the Department of Land & Natural Resources. Governor Waihee could not have chosen a finer man. I wish you all the success in the world.

Secondly, I would like your help in my first problem of 1987. As you know, Kahua Meat Company, Ltd. has a slaughterhouse in Honouliuli. We have our own pump (number 2101-01), and a few years ago, we were allocated 22,000 gals/day by the D.L.N.&R. However, we have been pumping more than double that, over 45,000 gals/day since a couple of years ago when we roughly doubled our slaughter rate.

We have recently completed the first phase of renovations at the slaughterhouse, and with these renovations we have changed from state to federal inspection. We currently are killing from 50 to 70 head of cattle each day. The second phase which we are about to undertake will also have us slaughtering over 150 hogs each day on a second shift, 100 lambs each week, and we are also hoping to work out an agreement to slaughter roughly twice as much cattle as we are currently killing. We are hoping to improve the industry by killing more animals in one location and becoming more efficient, and thereby help the ranchers.

Among other things, we have studied our water requirements and feel that to achieve this increased slaughter we will need to up our water allocation to about 200,000 gals/day. At first, the hog producers were supposed to build their own slaughter facility at Honouliuli, and would have required their own water, but we have gotten together, and we feel that by joining operations we can derive many efficiencies, amongst other things a substantial water savings.

I hope that you can help me in this matter. I thank you in advance for your help, and once again congratulations.

Sincerely,

Alex Napier
General Manager
<table>
<thead>
<tr>
<th>TO:</th>
<th>INITIAL:</th>
<th>PLEASE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M. TAGOMORI</td>
</tr>
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<td></td>
<td></td>
<td>See Me</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. Ching</td>
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<tr>
<td></td>
<td></td>
<td>Take Action By</td>
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<td></td>
<td></td>
<td>H. Sakai</td>
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<td></td>
<td>Route to Your Branch</td>
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<td></td>
<td></td>
<td>G. Morimoto</td>
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<td>Review &amp; Comment</td>
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<td></td>
<td></td>
<td>D. Lum</td>
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<td>Draft Reply By</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S. Miyamoto</td>
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<td>G. Matsumoto</td>
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<td>S. Samuels</td>
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<tr>
<td></td>
<td></td>
<td>G. Morimoto</td>
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<td>Mail</td>
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<td></td>
<td></td>
<td>N. Imada</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>S. Kokubun</td>
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<td></td>
<td>L. Asari</td>
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<tr>
<td></td>
<td></td>
<td>D. Hamada</td>
</tr>
<tr>
<td></td>
<td></td>
<td>L. Nanbu</td>
</tr>
<tr>
<td></td>
<td></td>
<td>J. Siarot</td>
</tr>
</tbody>
</table>

**Remarks:**

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Bobby B. - mgr.
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The handwritten note on the right side of the form reads:

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RAT 2
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Additionally, there are handwritten notes at the bottom of the page that are not legible.
Long overdue letter from Patty to Napiers. Lahna Ranch's plans have not yet been finalized but we should do something before all the water is allocated.
Spoke with Alan Gottlieb, controller, Kahn Meat Co. Plans are underway for hog & sheep slaughter facility at Kahua. They will most likely need more water. Present preserved use is 0.022 mgd. They are actually using one like 0.045 mgd. Estimated total use may be 0.1 to 0.2 mgd. Mr. Gottlieb will let us know as they finalize their plans and get a better idea of how much water they will actually need. They have not yet made a formal permit request.

FOR YOUR

Approval
Signature
Information
Ed

Please follow up.

BW3 water available? - well line approved?

Latest plans
 Brief review -

case to 0.07 in.

7/1/87

JAN LTR
Informal request for
more water - Pts(2000 ft)
not enough for requested
amount. Kahua may have
solved its own problems by
upgrading their system (see
last # of memo). How far should we
take this?
MEMORANDUM
FROM: Ed Sakoda
SUBJECT: Kahua Ranch Informal Request to Increase Allocation from 0.022 mgd to 0.200 mgd

Kahua Ranch, thru Mr. Alex Napier, its General Manager, has informally requested to increase its present water allocation from 0.022 million gallons per day (mgd) to 0.200 mgd. Kahua's well is located in the Koolau Subarea of the Pearl Harbor Water Control Area (GWCA).

Presently, there is 0.090 mgd available for allocation in the Pearl Harbor GWCA so Kahua's request for an additional 0.178 mgd would exceed the amount available.

Kahua Ranch uses the water mainly for washing down operations in its cattle slaughtering business. Federal requirements dictate that the wash water must be considered "potable" according to "local authorities", in this case, the Department of Health (DOH). The water is tested for coliform about twice a year by the DOH. No testing is done for chloride content. From 1980 to 1986, Kahua Ranch has used water at the rate of 0.032 mgd, averaged over the seven years. Water use from January to December 1986 was up to 0.043 mgd.

In discussing the possibility of using brackish caprock water for maintenance operations, Dr. Lawton, a veterinarian with the Department of Agriculture, is of the opinion that it should be alright to use water with chlorides, greater than 250 parts per million (ppm) as long as the coliform remains below "potable" requirements. He is contacting Federal officials to see if it would be possible to use brackish water for washing operations.

In a phone conversation on January 20, 1987, Dr. Lawton related that he had recently spoken with Bobby Napier of Kahua Ranch and was told that it may be feasible to put in a reservoir and storage system that would use less water than
Kamla Ranch (Arm 01.8 pol.)

Oct. 0.030
Nov. 0.040
Dec. 0.042

Bobby Nguyen  691-5791

220 = second line class, (not retrievable - Dr. Pang Augmen)

Dr. Lawton: 7/1/67
Fed. Position:
If "possible" to local authority - OK
If not - no

Dr. Pang: Public Water System, 25% employees - Sanitation
State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Water and Land Development
Honolulu, Hawaii

June 18, 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, DOWARD 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 30 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
SUSAN O. CHUCK, Chairman

ITEM D-1

[Stamp: Approved by the Board of Land & Natural Resources at the meeting held on 6/10/82]
RESUBMITAL
(Deferred Item D-2 of March 28, 1980 meeting)

Gentlemen:

Certification of Water Withdrawals and Uses
Pearl Harbor Ground Water Control Area, Oahu

The Pearl Harbor Ground Water Control Area (GWCA) which includes the Ewa and Wahawa judicial districts, was designated for State regulation by the Board of Land and Natural Resources (BLNR) in September 1979 under authority of Chapter 177, HRS., and the Department of Land and Natural Resources (DLNR) Regulation 8. The regulatory procedures call for the BLNR to certify existing water withdrawals and uses and to issue permits for new ground water developments in the Pearl Harbor Ground Water Control Area.

The users of water within the Pearl Harbor Ground Water Control Area have submitted records of pumpage to the Department and from these submittals the annual withdrawals and maximum daily pumpage for individual wells and/or well fields are tabulated as shown in the attached "Certification of Water Withdrawals and Uses" which is made a part hereof. As a result, the following is recommended for certification of existing uses:

<table>
<thead>
<tr>
<th>User</th>
<th>Average Annual (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board of Water Supply</td>
<td>78.950</td>
</tr>
<tr>
<td>U.S. Navy</td>
<td>21.350</td>
</tr>
<tr>
<td>U.S. Army</td>
<td>5.455</td>
</tr>
<tr>
<td>Private</td>
<td>5.658</td>
</tr>
<tr>
<td>Oahu Sugar Company</td>
<td>115.000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>224.413</strong></td>
</tr>
</tbody>
</table>

Oahu Sugar Company submitted figures which exceeded the 115 mgd listed above but because their submission represents unmeasured pumpages, the Department's staff is recommending that 115 mgd be certified. Oahu Sugar, in the meantime, will investigate the matter and if deemed necessary will request that the Board hold a hearing as is allowed under Section 4.4 of Regulation 8 of the Department of Land and Natural Resources.

RECOMMENDATION:

That the Board certify the existing uses and quantity of withdrawal for each well as indicated in the attached "Certification of Water Withdrawals and Uses" dated April 11, 1980 which reflects the recommended withdrawal quantity as follows: Board of Water Supply at 78.95 mgd; U.S. Navy, 21.35 mgd; U.S. Army, 5.455 mgd; Private, 5.658 mgd; and Oahu Sugar Company, 115.0 mgd; subject to the provisions of applicable laws and rules and regulations.

Respectfully submitted

ROBERT T. CHUCK
Manager-Chief Engineer

APPROVED FOR SUBMITTAL:

SUSUMU ONO, Chairman
MOTION

Based on the submittal of the staff dated April 11, 1980, I move that the Board approve the issuance of conditional certification to the major users of the ground water who have filed the prescribed declarations, in the amounts recommended by the staff in its submittal dated April 11, 1980, subject to the following:

1. Submission by each user of a water use plan, meeting the management objectives and policies of the Board, within 3 months from the issuance of such objectives and policies by the Board in the State's water management plan.

2. Approval of the water use plans by the Board.

3. Review of the conditional certification within the next 3 years.

4. Reduction in the quantity of water conditionally certified in the event that such water is not being beneficially used as defined by law or that the water use plan is not being implemented effectively.

5. Adjustment in quantity, in the case of Oahu Sugar, upon the installation of a new and more accurate metering system, but in no event will said adjustment exceed the amount of the 1979 withdrawal as contained in the declared use attached to the submittal.
<table>
<thead>
<tr>
<th>User/Source</th>
<th>State Wall No.</th>
<th>Total</th>
<th>Use</th>
<th>Source Capacity (mgd)</th>
<th>5-year Average (mgd)</th>
<th>1979 (mgd)</th>
<th>Use</th>
<th>Maximum Daily (mgd)</th>
<th>Total Annual (mgd)</th>
<th>Average Daily (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaia Gulch</td>
<td>3355-52, 68</td>
<td>2</td>
<td>Mun.</td>
<td>2.00</td>
<td>0.618</td>
<td>0.790</td>
<td>Mun.</td>
<td>1.400</td>
<td>388,350</td>
<td>(0.790)</td>
</tr>
<tr>
<td>Alaia Walls</td>
<td>3355-06, 67</td>
<td>2</td>
<td>Mun.</td>
<td>2.00</td>
<td>1.015</td>
<td>1.030</td>
<td>Mun.</td>
<td>1.775</td>
<td>377,350</td>
<td>(1.030)</td>
</tr>
<tr>
<td>Halewa Wells</td>
<td>3353-37 to 39</td>
<td>3</td>
<td>Mun.</td>
<td>6.63</td>
<td>1.079</td>
<td>1.000</td>
<td>Mun.</td>
<td>1.520</td>
<td>365,000</td>
<td>(1.000)</td>
</tr>
<tr>
<td>Waipio Rgs. Wells I</td>
<td>3355-25, 26</td>
<td>2</td>
<td>Mun.</td>
<td>4.00</td>
<td>—</td>
<td>—</td>
<td>Mun.</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Waipio Rgs. Walls II</td>
<td>3350-9, 62</td>
<td>2</td>
<td>Mun.</td>
<td>4.00</td>
<td>—</td>
<td>—</td>
<td>Mun.</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Pearl City (Paliades)</td>
<td>3357-63</td>
<td>1</td>
<td>Mun.</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>Mun.</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Waihee</td>
<td>3360-61 to 64</td>
<td>4</td>
<td>Mun.</td>
<td>8.66</td>
<td>2.729</td>
<td>2.900</td>
<td>Mun.</td>
<td>8.510</td>
<td>1,607,700</td>
<td>(2.900)</td>
</tr>
<tr>
<td>Waihee Area</td>
<td>3361-06, 07, 11</td>
<td>3</td>
<td>Mun.</td>
<td>8.66</td>
<td>1.355</td>
<td>3.770</td>
<td>Mun.</td>
<td>5.630</td>
<td>1,152,500</td>
<td>(3.770)</td>
</tr>
<tr>
<td><strong>Subtotal (In-District)</strong></td>
<td></td>
<td>42</td>
<td></td>
<td>60.10</td>
<td>20.678</td>
<td>23.850</td>
<td></td>
<td>41.910</td>
<td>8,405,950</td>
<td>23.850</td>
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<tr>
<td><strong>Export to Honolulu</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maleka Shaft</td>
<td>3356-61</td>
<td>1</td>
<td>Mun.</td>
<td>23.00</td>
<td>12.480</td>
<td>14.210</td>
<td>Mun.</td>
<td>10.970</td>
<td>9,310,500</td>
<td>(14.210)</td>
</tr>
<tr>
<td>Kamahana Wells</td>
<td>3359-08, 10</td>
<td>2</td>
<td>Mun.</td>
<td>4.00</td>
<td>1.970</td>
<td>1.990</td>
<td>Mun.</td>
<td>2.140</td>
<td>776,300</td>
<td>(1.990)</td>
</tr>
<tr>
<td>Kalaniana Walls</td>
<td>3353-00 to 16</td>
<td>6</td>
<td>Mun.</td>
<td>12.00</td>
<td>12.550</td>
<td>11.740</td>
<td>Mun.</td>
<td>12.030</td>
<td>4,200,700</td>
<td>(11.740)</td>
</tr>
<tr>
<td>Punaluu Walls</td>
<td>3357-08, 09, 10 to 12</td>
<td>6</td>
<td>Mun.</td>
<td>12.55</td>
<td>12.250</td>
<td>11.770</td>
<td>Mun.</td>
<td>12.540</td>
<td>4,200,600</td>
<td>(11.770)</td>
</tr>
<tr>
<td>Kashuwala Walls</td>
<td>3357-22, 26</td>
<td>3</td>
<td>Mun.</td>
<td>2.00</td>
<td>0.990</td>
<td>1.110</td>
<td>Mun.</td>
<td>1.150</td>
<td>401,500</td>
<td>(1.110)</td>
</tr>
<tr>
<td>Waiaka Waiaka Wall II</td>
<td>3356-06, 63, 64</td>
<td>3</td>
<td>Mun.</td>
<td>5.14</td>
<td>0.370</td>
<td>0.300</td>
<td>Mun.</td>
<td>0.500</td>
<td>159,300</td>
<td>(0.300)</td>
</tr>
<tr>
<td>Koakoli Walls II</td>
<td>3356-01, 62, 63</td>
<td>3</td>
<td>Mun.</td>
<td>3.00</td>
<td>1.170</td>
<td>1.190</td>
<td>Mun.</td>
<td>3.000</td>
<td>401,000</td>
<td>(1.190)</td>
</tr>
<tr>
<td><strong>Subtotal (Export to Honolulu)</strong></td>
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<td></td>
<td>52.14</td>
<td>48.649</td>
<td>62.960</td>
<td></td>
<td>54.000</td>
<td>15,512,800</td>
<td>(62.960)</td>
</tr>
<tr>
<td><strong>Ewa-Weianae</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kunia Walls I</td>
<td>3359-61 to 64</td>
<td>4</td>
<td>Mun.</td>
<td>10.00</td>
<td>5.580</td>
<td>4.810</td>
<td>Mun.</td>
<td>10.070</td>
<td>7,755,000</td>
<td>(4.810)</td>
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<tr>
<td>Hoaola Walls</td>
<td>3350-26 to 30</td>
<td>4</td>
<td>Mun.</td>
<td>14.00</td>
<td>6.620</td>
<td>6.610</td>
<td>Mun.</td>
<td>7.000</td>
<td>2,412,600</td>
<td>(6.610)</td>
</tr>
<tr>
<td><strong>Subtotal (Export to Ewa-Weianae)</strong></td>
<td></td>
<td>18</td>
<td></td>
<td>34.00</td>
<td>22.200</td>
<td>11.630</td>
<td></td>
<td>27.500</td>
<td>6,182,000</td>
<td>(11.630)</td>
</tr>
<tr>
<td><strong>TOTAL (Board of Water Supply)</strong></td>
<td></td>
<td>76</td>
<td></td>
<td>184.00</td>
<td>72.340</td>
<td>78.950</td>
<td></td>
<td>125.430</td>
<td>23,808,750</td>
<td>(78.950)</td>
</tr>
<tr>
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*Withdrawal to be certified shall be equal to the existing pump capacity.*
WATER RESOURCES & FLOOD CONTROL BRANCH
Division of Water and Land Development

FROM: Ed
TO: INITIAL:

A. CHING
D. Lum
E. Sakoda
D. Nakano
M. Ohye
S. Miyamoto
S. Samuels
D. Hamada
K. Oshiro
D. Stewart
M. Tagomori
H. Sakai
G. Morimoto
S. Kokubun

PLEASE:
See Me
Call
Review & Comment
Take Action
Investigate & Report
Draft Reply
Acknowledgement Receipt
Type Draft
Type Final
Xerox copies
File
Mail

REMARKS:
01/06/87 - Spoke with Dr. Lawton (VET). Water used for Kahua has to be "potable"

Check for coliform 1702/yr. Chlorides is not a factor - he will check

He also mentioned that Kahua wastes water during operations. Related to the pump.

FOR YOUR

01/07/87 Dr. Lawton called. He checked w/Fed. officials. Wash water must be considered "potable" to "local authorities" to be used at slaughterhouse.
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**2 - 2" Trident meters installed 4/19/76**

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Note: One meter removed sometime in Feb. 1982. Record incomplete.
Owner: Campbell Estate.
Altitude: 20 ft.
Drilled: Reduced from 12" to 8" in October 1939.
Depth: 325 ft.
Casing: 206 ft.
Bench mark: Top of horizontal flange on 8" tee; altitude, 19.96 ft.
Use: Slaughtering cattle.
Condition: Good. Well equipped with proper fittings, and 1/8" nipple for head readings.

Log: Not available.
Tommy Valessio  
531-7094  

Pam & Brinkerhoer  

2101-01

Called 4/2/80 - in to on  
2101-01 re: DOT right of way,  
etc. - Ft. Weaver Rd. realignment.
December 13, 1979

Kahua Meat Co.
3140 Ualena Street
Honolulu, Hawaii 96819

Gentlemen:

Pearl Harbor Ground Water Control Area

We acknowledge receipt on December 11, 1979, of your Declaration of Existing Water Withdrawal and Use in the Pearl Harbor 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,

SUSUMU ONO
Chairman of the Board
DIVISION OF WATER AND LAND DEVELOPMENT

From: [Name]  Date: 12/11  File In: ____________________________

To Initial

- [Checkmark] Robert T. Chuck
- [Checkmark] Takeo Fujii
- [Checkmark] James Yoshimoto
- [Checkmark] Manabu Tagomori
- [Checkmark] George Morimoto
- [Checkmark] Hong Fong Chang
- [Checkmark] Herbert Morimatsu
- [Checkmark] George Miyashiro
- [Checkmark] Harold Sakai
- [Checkmark] Leslie Asari
- [Checkmark] Albert Ching
- [Checkmark] George Matsumoto
- [Checkmark] Daniel Lum
- [Checkmark] Paul Matsuo
- [Checkmark] Noboru Kaneshiro
- [Checkmark] Edwin Sakoda

See Me

- [Checkmark] Take action by ________________
- [Checkmark] Route to your branch
- [Checkmark] Review & comment
- [Checkmark] Draft reply by ________________
- [Checkmark] For Information
- [Checkmark] Xerox distributed
- [Checkmark] Acknowledge receipt

For Information

- [Checkmark] Jane Sakai
- [Checkmark] Doris Hamada
- [Checkmark] Lorraine Nanbu
- [Checkmark] Jean Slarot
- [Checkmark] Elsie Yonamine

Send from Hr.

acknowledge rep't.

BWS Records

1979 (Jan-Sep) 0.022 mgd
1978 (Dec) 0.02 mgd
1977 (Jan-Dec) 0.027 mgd
1976 (Jan-Dec) 0.03 mgd

4-year average = 0.025 mgd
Highest = 0.03 mgd
DECLARATION OF EXISTING WATER WITHDRAWAL AND USE
Pearl Harbor Ground Water Control Area

Instructions: This form must be properly completed, signed, and submitted for each individual well or connected battery of wells on or before January 2, 1980, 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  
   Mailing address  
   phone:  

2. WATER USER'S □ WELL  □ CONNECTED BATTERY OF WELLS:
   User's Well Name and Location  
   TMK  
   User's Well No. (s)  
   Pump or natural flow capacity (gpm):  
   Capacity determined by flowmeter, nameplate, orifice, etc. (specify):  
   Year pump inst./modified:  

3. BENEFICIAL USE OF WATER:
   (a) Major Use:  
      □ Municipal  □ Agriculture  □ Military  □ Industrial  
      □ Domestic  □ Other  (specify)  
      □ Military  □ Industrial  □ Other  (specify)  
   (b) Minor Uses:  
      □ Agriculture  □ Other  (specify)  
   (c) For Agriculture Use list crop(s)  

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):  

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   (c) For Agriculture use only: description of withdrawal schedule (include times of day and days of week):  

5. WELL DESCRIPTION:
   On the attached computer list of wells, 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 a corrected computer list.

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 knowledge and belief, it is true, correct, and complete.

Signature:  
Date:  

Signature:  
Date:  

For Official Use:
Last day to certify  
Date Certified  
Amount certified  
WELL NO.  

For Official Use:
Last day to certify  
Date Certified  
Amount certified  
WELL NO.  

For Official Use:
Last day to certify  
Date Certified  
Amount certified  
WELL NO.  

For Official Use:
Last day to certify  
Date Certified  
Amount certified  
WELL NO.  

For Official Use:
Last day to certify  
Date Certified  
Amount certified  
WELL NO.  
WATER USE PERMIT NO. 814

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

**Permit Information**

- Water User: Roman Catholic Church
  1184 Bishop St.
  Honolulu, HI 96813
- Landowner of Source: Roman Catholic Church
  1184 Bishop St.
  Honolulu, HI 96813
- Permitted Withdrawal Rate: 0.110 mgd (Based upon a 12-month moving average)
- Water Management Area: Waipahu-Waiawa
- Island: Oahu
- Aquifer Sector/System: Pearl Harbor/Waipahu-Waiawa
- System Sustainable Yield: 104 mgd
- Water Type: N/A
- Original CWRM Date: May 17th, 1989
- Standard Conditions: N/A
- Special Conditions: N/A

**Water Source**

- State Well Number(s): 2101-01
- Well Name: Honouliuli
- Water Source TMK Number(s): 1st Division, 9-1-017:041
- State Land Use Classification(s): Agriculture/Urban
- County Zoning Classification(s): AG-2/R-5
- Geographical Coordinates: N/A

**End Use**

- End Use TMK Number(s): 1st Division, 9-1-017:041
- State Land Use Classification(s): Agriculture/Urban
- County Zoning Classification(s): AG-2/R-5
- Beneficial Use Explanation: Use for agriculture
Background Information

State Well No. 2101-01 was originally governed by Water Use Permit 083, which was issued to Kahua Meat Company with a permitted allocation of 0.110 mgd. Water Use Permit 083 was superseded by Water Use Permit 814, which transferred water rights to the well from Kahua Meat Company to the Roman Catholic Church.

Water Use Permit 814 was approved during on October 9th, 2007 by the Commission on Water Resource Management. There are no consistent water use or salinity reports on file for State Well No. 2101-01. During the research phase of this project the standard and special conditions associated with this water use permit could not be located. As such, determining condition compliance will be difficult to ascertain. A complete list of all standard and special conditions is given in the permit file.

Field Investigation Information

No field investigation was conducted for Water Use Permit 814. Brown and Caldwell attempted to contact the permittee on three different occasions via standard mail. Cover letters accompanied by survey forms were sent out on November 21st, 2007, February 20th, 2008, and May 6th, 2008. The first two letters were sent to Kahua Meat Company at 91-2002 Fort Weaver Road, Ewa Beach, HI 96706. Brown and Caldwell obtained up-to-date contact information from the Commission and sent a third letter to the Roman Catholic Church, who is the current landowner, at 1184 Bishop Street, Honolulu, HI 96813. Since no response was received by the end of the field investigation phase of this project, Brown and Caldwell was not able to verify any of the information listed in this report. Reference the permit file for supporting documentation relevant to this contact process.

Summary of Findings for Water Use Permit No. 814

Although no field investigation was completed for this Water Use Permit, information pertinent to permit compliance was gathered during the research phase of this project.

Although no conditions were available for this water use permit, assuming that modern standard conditions apply, the following are a list of standard condition(s) that the permittee could be in non-compliance with:
An approved flowmeter **must be** installed to measure monthly withdrawals and a month record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a **monthly** basis.

Since no water use or salinity records are being reported on a consistent basis, a violation would occur in the event that this particular condition applies to Water Use Permit 814. It is worth noting that regardless of whether or not the permittee is in compliance with Standard Condition (10), lack of water use reporting is a direct violation of the law under the State Water Code. As such, the permittee should be advised to initiate reporting immediately.

**Recommendations**

- Address the following discrepancies between the Commission’s electronic database and actual field investigation findings:
  - State land use and county zoning classifications
- Locate standard and special conditions for Water Use Permit 814
- Address potential violation of Standard Condition (10) regarding non-reporting of water use.
- Address issue of lack of response in regards to the Commission’s attempt to contact the permittee during this permit review process.
Standard Conditions List

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

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

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

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

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

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

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

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

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

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

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

Variations of Standard Condition (10) are as follows:
   i. The applicant shall keep monthly pumpage estimates to be submitted annually to the Commission.
   ii. An approved flowmeter(s) need not be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a yearly basis (attached).
   iii. An approved flowmeter(s) must be installed to measure withdrawals and a monthly record of withdrawals, water-levels, salinity, and temperature must be kept and reported to the Commission on a monthly basis in accordance with the Commission's September 16, 1992 action on reporting requirements.
   iv. Approved flowmeters must be installed to measure monthly withdrawals and a monthly record of withdrawals must be kept and reported to the Commission on Water Resource Management on a monthly basis.
   v. An approved flowmeter(s) must be installed to measure monthly withdrawals and a monthly record of withdrawals, salinity, temperature, and pumping times must be kept and reported to the Commission on Water Resource Management on forms provided by the Commission on a quarterly/yearly basis (attached).
   vi. An approved flowmeter shall be installed to measure water withdrawals
   vii. An approved flowmeter(s) must be installed to measure withdrawals; and a record of the withdrawals must be kept and reported to the Department of
Although not stated as a condition of the permit §13-168-7 HAR requires you to keep a record of your monthly total pumpage, water level, salinity, and water temperature. This information must be submitted to the Commission on a regular monthly basis using the enclosed water use report form.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Variations of Standard Condition (20) are as follows:**

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

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

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

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

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

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

27. The permit holder may be required to relinquish this permit at any time or specified time after issuance to the Board of Land and Natural Resources in accordance with Chapter 166 of Title 13.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

20. Standard Condition 16 is waived for saltwater wells.

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

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

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

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

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

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

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

28. The applicant shall follow the agreed monitoring plan.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

58. In the event that emergency water use occurs, the permittee shall notify the Commission in writing within one (1) day of pumping, to in form the Commission as to the nature of the emergency and the expected duration of the emergency. A water
59. Note DOH's requirements related to non-potable water systems (attached to original permit).

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

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

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

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

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

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

66. WUP No. <Insert #> is revoked

67. Standard Condition 17 is waived.

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

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

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

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

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

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

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

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

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

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

78. Standard Condition 9 is waived.

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

80. Standard Condition 10 is waived.

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

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

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

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

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

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

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

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

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

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

92. Standard Condition 7 shall not apply.

93. Standard Condition 22 shall not apply.

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

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

96. HECO 1 mgd for industrial use

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

98. BWS 1 mgd for municipal use.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

119. Standard Conditions 10 & 18 shall not apply.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

143. Proposed other uses will be considered at a later date.
November 21st, 2007

Allan Gottlieb  
Kahua Meat Co., Ltd  
91-2002 Fort Weaver Road  
Ewa Beach, HI 96706

Subject: WUP 083

Water Use Permit Review

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

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

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

Sincerely,

KEN C. KAWAHARA, P.E.  
Deputy Director

RI:ss
February 20th, 2008

Water Use Permit Holder
91-2002 Fort Weaver Rd.
Ewa Beach, HI 96706

Subject: WUP 083

Second Notice of Water Use Permit Review

In accordance with §174C-56 of the Hawaii Revised Statutes and 13-171-22(b), Hawaii Administrative Rules, the Commission on Water Resource Management is required to conduct a 20-year permit review of issued permits to determine permit compliance and prepare a formal report to legislature for public review. As a water use permit holder, we are notifying you of this statutory requirement and are asking for your help in the review of your water use permit.

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

Please note that this is the second notice that we are sending to attempt to make contact with you. If we cannot conduct a field investigation to verify your water use, we may commence proceedings to revoke your permit. Once your permit is revoked, you will no longer be able to use ground water from your well. Upon revocation, any water use without a valid permit will be subject to fines of up to $5,000 per day. As such, it is in your best interest to return the form to Brown and Caldwell as soon as possible.

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

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
From: Ryan.R.lmata@hawai.gov
Sent: Wednesday, February 27, 2008 11:18 AM
To: Smith, Milo C.
Subject: Fw: WUP 083

Sorry Milo, I tried sending this e-mail earlier but it bounced. I detached the WUP database and I'll send that to you later.

Also, regarding the Pagoda second notice - they just called and said that they didn't receive the first notice. Can you contact Byron @ 921-6149?

Thanks,

Ryan

--- Forwarded by Ryan R Ima
DLNR/StateHIUS on 02/27/2008 11:15 AM -------
Ryan R lmata/ DLNR/StateHIUS

02/27/2008 10:22 AM

To: "Smith, Milo C." <mcsmith@BrwnCald.com>
cc
Subject: Re: WUP 083[link]

This is another one that was transferred after your copy of the WUP database.

The new WUP is 814. The contact is:

William Burton
Roman Catholic Church - Hawaii
184 Bishop St.
Honolulu, HI 96813
85-3331

You can walk across the street to talk to him!

I'm forwarding you a copy of the current database. You might want to check this when you have any discrepancies. Like in this case, 083 was superceded by 814 and 814 is pretty current so the contact information would be most likely current and accurate.

Also, I got a bunch of letters back. They seemed to be the government agency ones. I wonder if Maui DWS and the C&C Div of Vastewater Management, etc., have P.O. Boxes for contact mailers. I know some of the C&C ones went to 650 S. King (the municipal building address), but they might have specific contact information. It's probably available on the internet. You can come by and pick these up anytime.

Thanks,

Ryan

9/10/2008
Ryan,

NUP 083 lists Kahua Meat Co. as the permittee. I just got a survey back from the current residents of the listed address and a follow up phone call. They say that there used to be multiple tenants on the property, one of them being Kahua Meat Co. Since that time, Kahua Meat has gone out of business and everyone but them has moved off the property. The current tenants have no knowledge of the well and are on the BWS system. They have, however, agreed to allow me to field investigate if need be, but make no guarantee that they would be able to assist me in locating the well head.

I'm planning on going to see if I can find the well but was hoping that maybe someone in your office could lend some insight if they know anything additional about this well that is not listed in the database.

Milo Smith
Project Engineer
Brown & Caldwell
1099 Alakea Street, Suite 2400
Honolulu, HI 96813
808) 203-2661
ncsmith@brwncauld.com
May 6th, 2008

Water Use Permit Holder
1184 Bishop Street
Honolulu, HI 96813

Subject: WUP 814

Second Notice of Water Use Permit Review

In accordance with §174C-56 of the Hawaii Revised Statutes and 13-171-22(b), Hawaii Administrative Rules, the Commission on Water Resource Management is required to conduct a 20-year permit review of issued permits to determine permit compliance and prepare a formal report to legislature for public review. As a water use permit holder, we are notifying you of this statutory requirement and are asking for your help in the review of your water use permit.

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

Please note that this is the second notice that we are sending to attempt to make contact with you. If we cannot conduct a field investigation to verify your water use, we may commence proceedings to revoke your permit. Once your permit is revoked, you will no longer be able to use ground water from your well. Upon revocation, any water use without a valid permit will be subject to fines of up to $5,000 per day. As such, it is in your best interest to return the form to Brown and Caldwell as soon as possible.

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

Sincerely,

KEN C. KAWAHARA, P.E.
Deputy Director
November 10, 1986

Mr. Hiroshi Abe, Architect  
810 Keeamoku St., Room 1  
Honolulu, Hawaii 96814

Dear Mr. Abe:

Thank you for your inquiry concerning the feasibility of obtaining an anticipated water requirement of 15,000 gallons per day or 0.015 million gallons per day (mgd) for the proposed meat processing plant for Hawaii Food Products at Honouliuli, Oahu.

The proposed plant is located in the Koolau Subarea of the Pearl Harbor Ground Water Control Area. Presently, there is 0.090 mgd available from the Koolau Subarea. Either of your proposals, to draw from existing well 2101-01 owned by Kahua Meat Co. or to drill a new well, would be feasible. In either case, a Water Use Permit must be obtained from the Department of Land and Natural Resources.

If you have any questions, please contact Mr. Albert Ching at 548-7619.

Sincerely,

MANABU TAGOMORI  
Manager-Chief Engineer

ES:ko
TO  
DIVISION OF WATER AND LAND DEVELOPMENT  
P.O. BOX 373  
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 □

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THESE ARE TRANSMITTED as checked below:

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

REMARKS  The anticipated water requirements for the proposed Meat Processing Plant is 15,000 gallons per day. We would like to draw this from the existing well no. 2101-01 or from a new well as indicated on the drawings. We would like to know the feasibility of the above.

SIGNED:  

If enclosures are not as noted, kindly notify us at once.
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<td>0.034</td>
<td>0.033</td>
<td>0.031</td>
<td>0.025</td>
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1980 - 1986 Ave = 0.032 mgd
Jan 4 Dec 86 Ave = 0.043 mgd
DIVISION OF WATER AND LAND DEVELOPMENT

FROM: [signature] 
DATE: 10/7/86 
FILE IN: 2101-01 (FEB, 1986)

TO: INITIAL: 

PLEASE:
- M. TAGOMORI
- A. Ching
- H. Sakai
- G. Morimoto
- D. Lum
- S. Miyamoto
- S. Samuels
- G. Matsumoto
- P. Matsuo
- L. Asari
- N. Kaneshiro
- E. SAKUDA
- S. Kokubun
- D. Hamada
- L. Nanbu
- J. Siarot

REMARKS:
- See Me
- Take Action By  
- Route to Your Branch
- Review & Comment
- Draft Reply By
- Acknowledge Receipt
- Xerox copies
- Return
- File

DATE: 10/7/86
FILE IN: 2101-01 (FEB, 1986)

TO:
INITIAL:

PLEASE:

REMARKS:

11/6/86
Call Mr. Abe

Meeting with Kahua,
QTHP at Kahua

Check if possible

Kahua Met Co. will try to provide
15,000 gpd

KHC project 0.022 m/d

waiting?

CE = W/USBGS

Write in the limit

Permission from Kahua (letter)
Flowmeter - separate (?)
TO  
DIVISION OF WATER AND LAND DEVELOPMENT  
P.O. BOX 373  
HONOLULU, HI 96809

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

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

<table>
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<th>NO.</th>
<th>DESCRIPTION</th>
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<td>PRELIMINARY DRAWINGS FOR SUBJECT PROJECT</td>
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THESE ARE TRANSMITTED as checked below:

- For approval
- Approved as submitted
- Resubmit____ copies for approval
- Approved as noted
- Submit____ copies for distribution
- Returned for corrections
- Return____ corrected prints
- See below

FOR BIDS DUE 19

PRINTS RETURNED AFTER LOAN TO US

REMARKS  The anticipated water requirements for the proposed Meat Processing Plant is 15,000 gallons per day. We would like to draw this from the existing well no. 2101-01 or from a new well as indicated on the drawings. We would like to know the feasibility of the above.

COPY TO ____________________

SIGNED: ____________________

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