

APPENDIX D

**2009 COMMENT & RESPONSE LETTERS FOR DRAFT
ENVIRONMENTAL ASSESSMENT PREPARED FOR STATE OF
HAWAII**



REPLY TO:
ATTENTION OF:

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, HONOLULU DISTRICT
FORT SHAFTER, HAWAII 96860-5440

April 27, 2009

COMMENT NO. 01

Regulatory Branch

File No. PDH-2009-151

Perry J. White
Planning Solutions
210 Ward Avenue, Ward Plaza Suite 330
Honolulu, HI 96814-4012

Dear Mr. White:

This letter is in response to your request, dated April 21, 2009, for our review of the Draft Environmental Assessment (DEA) for the proposed **Kapulena Well and Reservoir**. The site is located within TMKs (3) 4-7-002:029 and (3) 4-7-002:035, Hamakua District, Island of Hawaii, Hawaii.

Section 10 of the Rivers and Harbors Act (RHA) of 1899 requires that a Department of Army (DA) permit be obtained for structures or work in or affecting navigable waters (e.g., the Pacific Ocean) of the United States (U.S.) (33 U.S.C. 403). Section 10 waters are those subject to the ebb and flow of the tide extending shoreward to the mean high water mark. Section 404 of the Clean Water Act (CWA) requires that a DA permit be obtained for the discharge of dredge and/or fill material into waters of the U.S., including jurisdictional wetlands. The Corps defines wetlands as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support a prevalence of vegetation typically adapted for life in saturated soil conditions.

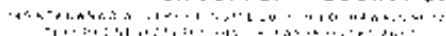
The County of Hawaii's Department of Water Supply (DWS) proposes to drill and test the existing Kapulena well. Based on the test results DWS will convert the well into a production well and construct a 3,000,000 gallon capacity water storage tank. Based on the information furnished to our office, the nearest surface water source is the Kawaikapa Stream, which is 370 feet to the east of the closest point on the project site. Therefore, it appears that the subject parcels consist entirely of uplands, and the proposed project will not involve any activities occurring within navigable waters of the U.S. or the discharge (placement) of dredged and/or fill material into jurisdictional waters of the U.S.; therefore, a Department of Army permit will not be required. This determination does not relieve you of any responsibility to obtain any other permits, licenses, or approvals that may be required under County, State, or Federal law for your proposed work.

Thank you for the opportunity to comment. If you have any questions, please contact Ms. Mervin Hamilton-Smith, of my Regulatory staff at 808-438-7701 (FAX: 808-438-4060) or by electronic mail at Mervin.Hamilton-Smith@usace.army.mil. Please include File No. PDH-2009-151 in any future correspondence regarding this project. Please be advised you can provide

comments on your experience with the Corps' Honolulu District Regulatory Branch by accessing our web-based customer survey form at <http://per2.usace.army.mil/survey.html>.

Sincerely,

George P. Young, P.E.
Chief, Regulatory Branch



¹ The authors thank the referees for their helpful comments and suggestions. The authors also thank the editor for his/her constructive comments and suggestions.

COMMENT NO. 03

LINEAL W.C.F.
11-11-09



STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
PO BOX 196820, HONOLULU, HI 96819

JUSTIN K. SMITH
DIRECTOR
BARBARA A. ANNIS
DEPUTY DIRECTOR
OFFICE OF THE COMPTROLLER

MAY - 4 2009

Mr. Perry White
Planning Solutions
Ward Plaza, Suite 330
210 Ward Avenue
Honolulu, HI 96814-4012

Dear Mr. White:

Subject: Draft Environmental Assessment
Kapulena Well and Reservoir

Thank you for the opportunity to provide comments for the subject project. The proposed project does not impact any of the Department of Accounting and General Services' projects or existing facilities, and we have no comments to offer at this time.

If you have any questions regarding the above, please have your staff call Mr. David DePinto of the Planning Branch at 586-0492.

Sincerely,

ERNEST Y. W. LAI
Public Works Administrator

DD:ma
cc: Ms. Katherine Kaulaha, DOI OEQC
Mr. Glenn Okada, DAGS-Hawaii



DEPARTMENT OF WATER SUPPLY - COUNTY OF HAWAII
COUNTY ADMINISTRATOR, COUNTY OF HAWAII
100 SOUTH KALANIANA'OLAH BLVD., SUITE 200
HONOLULU, HAWAII 96813-1000

August 10, 2009

Mr. Ernest Y. W. Lai
Public Works Administrator
State of Hawaii
Department of Accounting and General Services
P.O. Box 119
Honolulu, HI 96810

DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
HAAIARUA DISTRICT, ISLAND OF HAWAII

Thank you for your May 4, 2009 letter [your reference (P)1176.8] concerning the proposed Kapulena Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter.

Thank you for confirming that the proposed project will not impact any of the Department of Accounting and General Services' projects or existing facilities, and have no comments to offer at this time.

The *Final Environmental Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Terence L. Nago at the Department of Water Supply, (808) 964-8070, extension 256.

Sincerely yours,

Terence L. Nago, P.E.
Manager

TSN:lg

Enc

copy - (w/o enc.) Mr. Greg Infumilton, Tom Nance Water Reuse Engineering,
(w/o enc.) Mr. Perry J. White, Planning Solutions, Inc.

White being prepared...

The Department of Water Supply is responsible for the preparation and approval of the project's Environmental Assessment (DEA) and the project's Environmental Assessment Finding of No Significant Impact (FONSI). The project's Environmental Assessment (DEA) and the project's Environmental Assessment Finding of No Significant Impact (FONSI) are the responsibility of the project's sponsor, Planning Solutions, Inc.



STATE OF HAWAII
DEPARTMENT OF HEALTH
1001 KALANIANAʻOLAHU DRIVE
HONOLULU, HAWAII 96813-2006

May 6, 2009

Mr. Parry J. White
President
Planning Solutions, Inc.
210 Ward Avenue, Ward Plaza, Suite 730
Honolulu, Hawaii 96814-4917

Dear Mr. White:

**SUBJECT: Draft Environmental Assessment for the
Kapulem Well and Reservoir
Hanalekua, Island of Hawaii, Hawaii**

The Department of Health, Clean Water Branch (CWB), has reviewed the subject document and offers these comments on your project. Please note that our review is based solely on the information provided in the subject document and its compliance with Hawaii Administrative Rules (HAR), Chapters 11-54 and 11-55. You may be responsible for fulfilling additional requirements related to our program. We recommend that you also read our standard comments on our website at:

<http://www.hawaii.gov/health/environmental-env-planning/landuse/CWB-standardcomments.pdf>

1. Any project and its potential impacts to State waters must meet the following criteria:
- a. Anti-degradation policy (HAR, Section 11-54-1.1), which requires that the existing uses and the level of water quality necessary to protect the existing uses of the receiving State water be maintained and protected.
 - b. Designated uses (HAR, Section 11-54-2), as determined by the classification of the receiving State waters.
 - c. Water quality criteria (HAR, Sections 11-54-4 through 11-54-8).

COMMENT NO. 04

05024001.09
05/02/2009

05024001.09
05/02/2009

Mr. Parry J. White
May 6, 2009
Page 2

05024001.09

2. You are required to obtain a National Pollutant Discharge Elimination System (NPDES) permit for discharges of wastewater, including storm water runoff, into State surface waters (HAR, Chapter 11-55). For the following types of discharges into Class A or Class 2 State waters, you may apply for NPDES general permit coverage by submitting a Notice of Intent (NOI) form:
- a. Storm water associated with construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale. An NPDES permit is required before the start of the construction activities.
 - b. Hydrotesting water.
 - c. Construction dewatering effluent.

You must submit a separate NOI form for each type of discharge at least 30 calendar days prior to the start of the discharge activity, except when applying for coverage for discharges of storm water associated with construction activity. For this type of discharge, the NOI must be submitted 30 calendar days before the start of construction activities. The NOI forms may be picked up at our office or downloaded from our website at <http://www.hawaii.gov/health/environmental/water/cleanwater/forms/genindex.html>.

3. For types of wastewater not listed in Item No. 2 above or wastewater discharging into Class 1 or Class AA waters, you may need an NPDES individual permit. An application for an NPDES individual permit must be submitted at least 180 calendar days before the commencement of the discharge. The NPDES application forms may be picked up at our office or downloaded from our website at <http://www.hawaii.gov/health/environmental/water/cleanwater/forms/indiv-index.html>.
4. You must also submit a copy of the NOI or NPDES permit application to the State Department of Land and Natural Resources, State Historic Preservation Division (SHIPD), or demonstrate to the satisfaction of the CWB that SHIPD has or is in the process of evaluating your project. Please submit a copy of your request for review by SHIPD or SHIPD's determination letter for the project along with your NOI or NPDES permit application, as applicable.

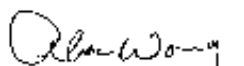
Mr. Perry J. White
May 6, 2009
Page 2

05024010-09

5. Please note that all discharges related to the project construction or operation activities, whether or not NPDES permit coverage and/or Section 401 Water Quality Certification are required, must comply with the State's Water Quality Standards. Noncompliance with water quality requirements contained in HAR, Chapter 11-54, and/or permitting requirements specified in HAR, Chapter 11-55, may be subject to penalties of \$75,000 per day per violation.

If you have any questions, please visit our website at <http://www.dws.hawaii.gov/fair/permits/environmental/water/cleanwater/index.html>, or contact the Engineering Section, CWB, at 586-4399.

Sincerely,


ALEC WONG, P.E., CNRP
Clean Water Branch

22 up



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

155 ALI'OLE DRIVE, SUITE 200, HONOLULU, HAWAII 96815
TELEPHONE: 586-4399 • FAX: 586-4399

August 10, 2009

Mr. Alec Wong, P.E., CNRP
Department of Health, Clean Water Branch
P.O. Box 1338
Honolulu, HI 96801-1338

**DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
HĀMAKUA DISTRICT, ISLAND OF HAWAII**

Thank you for your May 6, 2009 letter [your reference File No. 1501000105024010-09] concerning the proposed Kapulena Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter.

We have reviewed your Department's standard comments and will comply with all those that are applicable to the proposed project. Construction of the proposed well and reservoir would disturb less than an acre of land and, as a result, no NPDES permit coverage will be required, as indicated in Section 5.7.2.1 of the DEA. Best Management Practices will be followed to minimize and eliminate introduction of any pollutants into storm water runoff.

The project will not require a Department of the Army permit. Consequently, DWS is not applying for a Section 401 Water Quality Certification.

The contractor will be held responsible for ensuring that State Water Quality Standards are met at all times during construction.

The *Final Determination and Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Terrence L. Nago at the Department of Water Supply, (808) 961-8070, extension 250.

Sincerely yours,



Malou D. Pasao, P.E.
Manager

115-116

Ers

copy: two (enc.) Mr. Greg Fukumitsu, Tawhamee Water Resource Engineering,
(two enc.) Mr. Perry J. White, Planning Solutions, Inc.

Water being pumped in.

The Department of Water Supply of the County of Hawaii is not responsible for the accuracy of the information provided in this document. The user assumes all liability for the use of the information provided in this document.

William P. Kono
Mayor



County of Hawaii

POLICE DEPARTMENT
441 Kapiolani Drive • Honolulu, Hawaii 96814
(808) 535-3100 • Fax (808) 535-3900

COMMENT NO. 05

Harry S. Kikuniji
Police Chief

Paul K. Ferreira
Deputy Police Chief

May 6, 2009

Mr. Perry J. White
Planning Solutions
Ward Plaza, Suite 330
210 Ward Avenue
Honolulu, HI 96814-4012

Dear Mr. White,

Subject: Kapulea Well and Reservoir

Staff, upon reviewing the provided documents and visiting the proposed site, does not anticipate any significant impact to traffic and/or public safety concerns.

Thank you for allowing us the opportunity to comment.

If you have any questions, please contact Captain Randy Apele, Commander of the Hamakua District, at (808) 775-7533.

Sincerely,

DEREK D. PACHECO
ASSISTANT POLICE CHIEF
AREA I OPERATIONS BUREAU

RAW

10/24/2013 10:55 AM Page 1 of 2



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

1401 KANEHE STREET • SUITE 200 • HONOLULU, HAWAII 96813
TELEPHONE (808) 535-3100 • FAX (808) 535-3900

August 11, 2009

TO: Mr. Harry Kikuniji, Police Chief
Attention: Mr. Derek D. Pacheco, Assistant Police Chief
County of Hawaii's Police Department

FROM: Malcom D. Pavaio, Manager

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT- KAPULEA WELL AND RESERVOIR
HĀMAKUA DISTRICT, ISLAND OF HAWAII

Thank you for your May 6, 2009 letter concerning the proposed Kapulea Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter.

Thank you for confirming that the proposed project will not involve any significant law enforcement and/or public safety concerns at this time.

The *Final Environmental Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Terrence L. Sage at the Department of Water Supply, (808) 561-8070, extension 250.

Sincerely yours,

Malcom D. Pavaio, P.E.
Manager

TrnAllg

Enc.

cc: (enc.) 3 Mr. Greg Einkorn, Town Water Resource Engineering
(enc.) 3 Mr. Perry J. White, Planning Solutions, Inc.

Udela hana's perspective

Udela hana's perspective is a project of the Hawaiian Islands Water Resource Engineering and Planning Program. The project is a joint effort of the Hawaiian Islands Water Resource Engineering and Planning Program and the Hawaiian Islands Water Resource Engineering and Planning Program.



PLANNING DEPARTMENT

COMMENT NO. 06

Marz, mei, K. Mar, may, Jg. 15.

Mr. Perry L. White
Planning Solutions, Inc.
210 Ward Avenue, Suite 530
Honolulu, HI 96814

SUBJECT: Draft Environmental Assessment
Applicant: County of Hawaii Department of Water Supply
Project: Kapulea Well and Reservoir
TIME: 4-7-02:29 and 4-7-02:35, Hanalei District, Island of Kauai

Should you have questions, please feel welcome to contact Christian Kay of my staff at 961-8288, extension 256.

212 The Grand Tour

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$$x = \frac{1}{2}(\alpha + \beta) \quad \text{and} \quad y = \frac{1}{2}(\alpha - \beta)$$

¹ *Journal of the American Statistical Association*, 1997, 92, 1029-1042.

[illegible]

TO: Ms. D. Leitch Todd, Planning Director
Planning Department

FROM: Milton D. Papp, Manager

**SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
HAWAIIA DISTRICT, ISLAND OF HAWAII**

Thank you for your May 6, 2009 letter concerning the proposed Kapulekua Wet & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter. We understand that your Department has no comments to offer on the subject at this time.

The Final Environmental Assessment outlining all No Significant Impact is enclosed for your records. Should you have any questions, please call Mr. Laurence E. Nopar at the Department of Water Supply, (868) 961-8800, extension 250.

Since $\rho_{\text{max}} = 0.025$,

Multiple Choice, P, 100
Multiple Choice, P, 100

11% : 12%

From

copy - (Wolene J.M. Greg Tinknotsh, Tom Nance Water Resource Engineering,
Wolene J.M. Perry J. Wolene, Planning Solutions, Inc.)

... *Verdine's* *Verdine's* *Verdine's* ...

The figure is the result of a 2D Fourier transform of the image in the spatial domain. The image is a grayscale image of a handwritten digit '0'. The Fourier transform is calculated using the `fft2` function. The resulting image is a complex-valued matrix. The magnitude of the Fourier transform is calculated using the `abs` function. The phase of the Fourier transform is calculated using the `angle` function. The magnitude and phase are then combined to form the final image. The final image is a grayscale image of the same handwritten digit '0'.



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
1545 Kalia Road, Suite 420
Honolulu, Hawaii 96814-4072

COMMENT NO. 07

Office of Historic Preservation
1545 Kalia Road, Suite 420
Honolulu, Hawaii 96814-4072
Telephone: (808) 586-1234
Fax: (808) 586-1235
Email: ohp@hawaii.gov
Website: www.hawaii.gov/ohp

May 13, 2009

Perry J. White, Planning Solutions
Ward Plaza, Suite 330
210 Ward Avenue
Honolulu, Hawaii 96814-4072

LOG NO: 2009.1477
DOC NO: 0905MD20
Archaeology

Dear Mr. White:

SUBJECT: National Historic Preservation Review (NHPR) Section 106 Review
Section 106 Historic Preservation Review Request for the BPW
Kapuena Well and Reservoir Project
Halekō'i Ahupua'a, Hamakua District, Island of Hawaii
TMK: (3) 4-7-002:029 (part) & 035 (part)

Thank you for the opportunity to comment on the aforementioned undertaking, which we received on April 23, 2009. If the well test proves successful a waste storage tank system will be developed to replace the current water source which is intaken in water, following the forced abandonment (due to lack of water) of the Kukuhihale (Wai'ihili) spring in 2007.

We concur that no historic properties will be affected by this undertaking because:

- ☒ Intensive cultivation has altered the land
- ☐ Residential development/urbanization has altered the land
- ☒ Previous grubbing/grading has altered the land
- ☐ An accepted archaeological inventory survey (AIS) found no historic properties
- ☐ SHPD previously reviewed this project and mitigation has been completed
- ☒ Other: SHPD previously reviewed a letter (Reckman and Clark January 16, 2009) finding no historic properties on these parcels, and SHPD concurred (Log No. 2009.0046, Doc No. 0901AD37).

In the event that historic resources, including human skeletal remains, cultural materials, lava tubes, and lava blisters/bubbles are identified during the construction activities, all work needs to cease in the immediate vicinity of the find, the find needs to be protected from additional disturbance, and the State Historic Preservation Division, Hawaii Island Section, needs to be contacted immediately at (808) 941-7655.

Mr. Perry J. White
Page 2 of 2

Please contact Morgan Davis at (808) 931 7650 if you have any questions or concerns regarding this letter.

Attn:

Nancy McMahon

Nancy McMahon, Deputy SHPD/State Archaeologist
and Historic Preservation Manager
State Historic Preservation Division



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

1001 KALANIANAʻOLAHU AVENUE, SUITE 200, HONOLULU, HAWAII 96813
TELEPHONE: (808) 586-1100 FAX: (808) 586-1101

August 18, 2009

Ms. Nancy McMahon
Deputy SHPD State Archaeologist and Historic
Preservation Manager
State of Hawaii
Department of Land and Natural Resources
State Historic Preservation Division
P.O. Box 621
Honolulu, HI 96809


**DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
HAMAKUA DISTRICT, ISLAND OF HAWAII**

Thank you for your May 11, 2009 letter (your reference Log No. 2009-1477, Dist. No. 0905MD00 Archaeology)¹ concerning the proposed Kapulena Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter.

Thank you for confirming that the proposed project will not affect any historic properties. In the unlikely event that undiscovered archaeological and/or cultural remains are encountered, the contractor will cease work immediately, protect the inadvertent discovery from additional disturbance and notify SHPD immediately.

The *Final Environmental Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Terence L. Nugent of the Department of Water Supply, (808) 961-3070, extension 256.

Sincerely yours,


Milton L. Pavaas, P.E.
Manager

TEN:dkg

Enc

cc: (w/enc.) Mr. Greg Fukumitsu, Town Source Water Resource Engineering,
(w/enc.) Mr. Perry J. White, Planning Solutions, Inc.

...Water brings people in.

The Department of Water Supply is a Division of the County of Hawaii, Department of Public Works. The Department of Water Supply is located at 1001 Kalanianaʻolahu Avenue, Suite 200, Honolulu, Hawaii 96813. Telephone: (808) 586-1100. Fax: (808) 586-1101. Website: <http://www.dws.hawaii.gov>

COMMENT NO. 08

John Deane
Chair, Planning Solutions



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
1555 KALANIANAʻOHE BLVD.
HONOLULU, HAWAII 96813

May 18, 2009

Planning Solutions
Ward Plaza Suite 370
210 Ward Avenue
Honolulu, Hawaii 96814-4917

Attention: Mr. Perry J. White

Ladies and Gentlemen,

Subject: Draft Environmental Assessment for Kapulea Well and Reservoir

Thank you for the opportunity to review and comment on the subject matter. The Department of Land and Natural Resources (DLNR), Land Division distributed to me a copy of your report pertaining to the subject matter to DLNR Division for their review and comment.

Other than the comments from Division of Aquatic Resources, Land Division-Hawaii District, Engineering Division, Division of Forestry & Wildlife, the Department of Land and Natural Resources has no other comments to offer on the subject matter. Should you have any questions, please feel free to call our office at 587-0433. Thank you.

Sincerely,

Charles B. L. White
for Morris M. Ata
Administrator

Cc: GLOCC
Hawaii County DWS

John Deane
Chair, Planning Solutions



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION
1555 KALANIANAʻOHE BLVD.
HONOLULU, HAWAII 96813

April 23, 2009

MEMORANDUM

TO: DLNR Agencies:
x Div. of Aquatic Resources
x Div. of Hunting & Ocean Recreation
x Engineering Division
x Div. of Forestry & Wildlife
x Div. of State Parks
x Commission on Water Resource Management
x Office of Conservation & Coastal Lands
x Land Division - Hawaii District

FROM: Morris M. Ata
SUBJECT: Draft Environmental Assessment for Kapulea Well and Reservoir
LOCATION: Hanalei, Hawaii
APPLICANT: Planning Solutions, Inc. on behalf of Department of Water Supply

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by May 15, 2009.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- ☐ We have no objection.
☐ We have no comments.
☒ Comments are attached.

Signed: *Charles B. L. White*
Date: 5/15/09

John Deane
Chair, Planning Solutions

RECEIVED
MAY 15 2009
PLANNING SOLUTIONS

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LET Morris AUA
RE: DWA Kapulema Well and Reservoir
Hawaii, LM

COMMENTS

- (X) We confirm that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Zone X. The National Flood Insurance Program does not have any regulations for developments within Zone X.
- () Please take note that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Zone
- () Please note that the Special Flood Zone Designation for the project site according to the Flood Insurance Rate Map (FIRM) is
- () Please note that the project must comply with the rules and regulations of the National Flood Insurance Program (NFIP) presented in Title 44 of the Code of Federal Regulations (44 CFR), whenever development within a Special Flood Hazard Area is undertaken. If there are any questions, please contact the State NFIP Coordinator, Mr. Carol Tyak, Head of the Department of Land and Natural Resources, Engineering Division at (808) 587-6267.

Please be advised that 44 CFR indicates the minimum standards set forth by the NFIP. Your Community's local flood ordinance may prove to be more restrictive and thus take precedence over the minimum NFIP standards. If there are questions regarding the local flood ordinance, please contact the applicable County NFIP Coordinators below:

- () Mr. Robert Summers at (808) 766-3697 or Mr. Marcus Saito at (808) 766-3694 of the City and County of Honolulu, Department of Planning and Permitting
- () Mr. Kelly Georges at (808) 585-5325 (Editor) or Mr. Kuan-Boo at (808) 322-3539 of the County of Hawaii, Department of Public Works
- () Mr. Francis Cervera at (808) 270-7271 of the County of Maui, Department of Planning
- () Mr. Mario Antonio at (808) 241-5573 of the County of Kauai, Department of Public Works

- () The applicant should include water demands and infrastructure required to meet project needs. Please note that projects within State lands requiring water service from the Honolulu Islandwide Water Supply System will be required to pay a resource development charge, in addition to Water Facilities Charges for transmission and daily storage.
- () The applicant should provide the water demands and calculations to the Engineering Division as can be included in the State Water Projects Plan Update.

() Additional Comments

() Other

Should you have any questions, please call Ms. Suzie S. Aguayo of the Planning Branch at 587-6265.

Signed: Eric J. Hernandez
ERIC J. HERNANDEZ, CHIEF ENGINEER

Date: 5/15/89

ENGINEERING
DIVISION



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
75 Aiea Street, Room 204
Honolulu, Hawaii 96820

STANDARD FORM NO. 64
MAY 1962 EDITION
GSA GEN. REG. NO. 27
5010-108
U.S. GOVERNMENT PRINTING OFFICE: 1962 O - 354-000

May 5, 2009

TO: Morris M. AUA
FROM: Robert T. Nishimoto, Program Manager - Aquatic Resources and Environmental Protection Branch
RE: Draft EA, Kapulema Well and Reservoir

BRIEF DESCRIPTION:

The applicant, DWS, proposes to construct a new exploratory well in the Hanalei District of Hawaii Island. The exploratory well will be converted into a production facility if the test results are suitable for drinking water.

COMMENTS:

The Division of Aquatic Resources (DAR) has objections to this request since the proposed project may have impacts on aquatic resource values in the area. DAR would like to understand how withdrawals from this lens not alter stream flow in adjacent Kawaikalis and Malamahee streams. (See section 3.7.1). Please explain.

5010-108-022
MAY 15 2009
HONOLULU


$$\begin{aligned} P_{\text{N}} &= P_{\text{E}} + P_{\text{S}} + P_{\text{D}} \\ P_{\text{E}} &= 10^{-3} \text{ W} \quad P_{\text{S}} = 10^{-3} \text{ W} \quad P_{\text{D}} = 10^{-3} \text{ W} \end{aligned}$$
[illegible][illegible]

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141:

- ☐ Div. of Aquatic Resources
- ☐ Div. of Boating & Ocean Recreation
- ☐ Engineering Division
- ☐ Div. of Forestry & Wildlife
- ☐ Div. of State Parks

Commission on Water Resource Management
Office of Conservation & Coastal Lands
Land Division - Hawaii District

FROM: Anthony M. Allen
 SUBJECT: Draft Environmental Assessment for Kapuni Well and Reservoir
 LOCATION: Hannaka, Hawaii
 APPLICANT: Planning Solutions, Inc. on behalf of Department of Water Supply

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by May 15, 2009.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

☐ We have no objections.
☐ We have no comments.
☒ Comments are attached.

Signed: _____
Date: May 2009



76101271 9 8621
 110391271 1253311 32 0

8/18/4-7-02.26 + 35

131

- ☐ Div. of Aquatic Resources
- ☐ Div. of Boating & Ocean Recreation
- ☐ Engineering Division
- ☐ Div. of Forestry & Wildlife
- ☐ Div. of State Parks
- ☐ Commission on Water Resource Management
- ☐ Office of Conservation & Coastal Lands
- ☒ Land Division - Hawaii District

FROM: *for* Dennis M. Allen *Allen*
SUBJECT: Draft Environmental Assessment for Kapaena Well and Reservoir
LOCATION: Hanalei, Hawaii
APPLICANT: Pharmacia Solutions, Inc. on behalf of Department of Water Supply

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by May 15, 2000.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at (832) 9433. Thank you.

☐ We have no objections.
☒ We have no comments.
☐ Comments are attached.

Signed: *[Signature]*
Date: 5/8/09

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FBI - ALBANY
JUN 11 1964



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

April 23, 2009

MEMORANDUM

TO: DLNR Agencies:
x Div. of Aquatic Resources
x Div. of Boating & Ocean Recreation
x Engineering Division
x Div. of Forestry & Wildlife
x Div. of State Parks
x Commission on Water Resource Management
Office of Conservation & Coastal Lands
x Land Division - Hawaii District

FROM: Steven M. Alla
SUBJECT: Draft Environmental Assessment for Kapulea Well and Reservoir
LOCATION: Hanalei, Hawaii
APPLICANT: Planning Solutions, Inc. on behalf of Department of Water Supply

Transmitted for your review and comment on the above referenced document. We would appreciate your comments on this document. Please submit any comments by May 15, 2009.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact my office at 587-0433. Thank you.

Attachments

- ☒ We have no objections.
☒ We have no comments.
☐ Comments are attached.

Signed: _____
Date: _____
PAUL J. CONRY, ADMINISTRATOR
DIVISION OF FORESTRY AND WILDLIFE
APR 27 2009

RECEIVED
DIVISION
APR 29 4 30 PM '09



DEPARTMENT OF WATER SUPPLY - COUNTY OF HAWAII

DEPARTMENT OF WATER SUPPLY - COUNTY OF HAWAII
100 SOUTH KALANIANA'OLAH DRIVE, SUITE 200
HONOLULU, HAWAII 96813

August 10, 2009

Mr. Steven M. Alla, Administrator
Land Division
Department of Land and Natural Resources
State of Hawaii
P.O. Box 621
Honolulu, HI 96809

DRAFT ENVIRONMENTAL ASSESSMENT: KAPULEA WELL AND RESERVOIR
HAALEIA DISTRICT, ISLAND OF HAWAII

Thank you for your May 18, 2009 letter concerning the proposed Kapulea Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the *Draft Environmental Assessment (DEA)* and preparing your letter. The Department of Land and Natural Resources consists of attached memoranda from the Land Division, Hawaii District, the Division of Forestry & Wildlife (DOFW), the Engineering Division, and the Division of Aquatic Resources.

We understand that the Department of Land and Natural Resources and the Land Division - Hawaii District do not have any comments to offer on the project at this time. In addition, the Division of Forestry & Wildlife indicates they have "no objections" to the proposed project. We would like to thank the Engineering Division for confirming that the project site, according to the Flood Insurance Rate Map (FIRM), is located in Zone X and that the National Flood Insurance Program does not have any regulations for developments within Zone X.

The remainder of this letter focuses on the comment from the Division of Aquatic Resources. To simplify your examination, we have reproduced the comment in *italics* below.

Comment:

The Division of Aquatic Resources (DAR) has objections to this request since the proposed project near the Kapulea Well has impacts on aquatic resource values in the area. DAW would like to understand how withdrawals from this flow will affect stream flow in adjacent Kamaikahi and Mahanalo streams. Please explain.

Response: The following statement has been inserted into Section 2.7.2 of the Final Environmental Assessment: "Groundwater tapped by the well will stand at approximately 10 feet above sea level. The two stream channels in question, Kamaikahi to the west and Mahanalo to the east, are at far higher elevations than this all the way to their discharges as waterfalls at the shoreline. Therefore, it is physically impossible for water from the aquifer tapped by the well to discharge into the far higher elevation streams."

Water Supply Project

This document is a draft and is subject to change. It is not to be used for any purpose other than for the project it is intended for. It is not to be distributed outside the project area without the approval of the project manager.

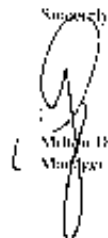
Mr. Morris M. Afta, Administrator

Page 3

August 10, 2009

The *Final Environmental Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Lawrence L. Nage at the Department of Water Supply, (808) 961-3090, extension 250.

Sincerely yours,



Melvin D. Pavaio, PE
Manager

LN:dlg

Enc

copy - to & enc.) Mr. Greg Frohman, Tarry Notice Water copy -Resource Engineering,
to & enc.) Mr. Perry J. White, Planning Solutions, Inc

ENVIRONMENTAL
CHALLENGES



STATE OF HAWAII
DEPARTMENT OF HEALTH
FOUNDED
1906 JULY 1908
HONOLULU HAWAII 96821-2048

COMMENT NO. 09

CHIEF, BUREAU OF
PUBLIC HEALTH

ALAN GARY
10/1/08

May 17, 2011

Mr. Alan Gary
Planning Institute
211 Ward Avenue, Suite 130
Honolulu, HI 96814-4212

Dear Mr. Walter:

RE: (1) HAWAII ENVIRONMENTAL ACTION FUND, EA 000A-0001, &
RE/REVISIO: 1000 OF PROJECT 1011A-0001

We would like to acknowledge receipt of the Draft Environmental
Assessment for Regional Water & Resources Management Study
April, 2009. The State Drinking Water Branch (SDWB) has
completed its preliminary review and has the following comments:

1. Page 14, Section 1.1: Please revise the last sentence,
"The State Department of Health State Drinking Water Branch
has noted replacement of this water system as a higher
priority for water system upgrades in the state
wide 2000." to "The replacement of this water system as a
higher priority for water system upgrades in the
Statewide Fund is on the list of Projects for State Fiscal
Year 2009."

2. Page 44, Section 1.11:

- a. Please add to this section that the Drinking Water
State Revolving Fund (DRWF) program was established
to allow the water user interest rate loans to public
water systems to finance the cost of maintaining and
replacing the drinking water infrastructure projects to
ensure compliance with the Safe
Drinking Water Act (SDWA).

Mr. Gary State
May 17, 2011
Page 2

- a. Please revise the sentence, "The SDWA was established
to help prevent contamination" to "The State Drinking
Water Act was established to help prevent
contamination."

- b. Please provide population projections within the project
area.

If there are any questions, please call Alan Gary at 586-4853.

Sincerely,

STUART YAMASHITA, I.T., CHIEF
State Drinking Water Branch
Environmental Management Division

ALG:ab

cc: Kwaku Oyelewa, Email: 1000 John Smith



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII

1001 KAHAKUA AVENUE, SUITE 100, HONOLULU, HAWAII 96813
TELEPHONE: (808) 586-1200 FAX: (808) 586-1201

August 10, 2009

Mr. Stuart Yamada, P.E., Chief
State of Hawaii
Department of Health
Safe Drinking Water Branch
Environmental Management Division
P.O. Box 1378
Honolulu, HI 96801-1378

**DRAFT ENVIRONMENTAL ASSESSMENT: KAPOLENA WELL AND RESERVOIR
HÄMĀKUA DISTRICT, ISLAND OF HAWAII**

Thank you for your May 19, 2009 letter concerning the proposed Kapoleña Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the Draft Environmental Assessment (DEA) and providing written comments. Our responses to your comments (which are reproduced for clarity) are provided below.

Comment 1:

Page 1-1, Section 1.1: Please revise the last sentence of the State Department of Health Safe Drinking Water Branch has rated replacement of this water source as its number one priority for water system developments in the State (SDWRF 2009).” to “...the replacement of this water source is ranked number one on Hawaii’s Drinking Water State Revolving Fund Priority List of Projects for State Fiscal Year 2009.”

Response: We have revised Section 1.1 of the Final Environmental Assessment (FEA) in accordance with your request.

Comment 2:

Page 4-2, Section 4.14

- a. *Please add to this section that the Drinking Water State Revolving Fund (DWSRF) program was established to offer below-market interest rate loans to public water systems to finance the cost of constructing or improving their drinking water infrastructure projects to achieve or maintain compliance with the Safe Drinking Water Act (SDWA).*
- b. *Please revise the sentence, “The DWSRF was established to help prevent contamination.” to “The Safe Drinking Water Act was established to help prevent contamination.”*

Response: We have revised the paragraph in Section 4.1.4 dealing with this in accordance with your request. The discussion in the FEA reads as follows:

... *Water supply projects.*

The project is a replacement of the existing water source and is not a new project. The project is a replacement of the existing water source and is not a new project. The project is a replacement of the existing water source and is not a new project.

Mr. Stuart Yamada, P.E., Chief
Page 2
August 10, 2009

This project might be funded by Federal funds through the State of Hawaii’s Drinking Water State Revolving Fund (DWSRF) program. The DWSRF program was established to offer below-market interest rate loans to public water systems to finance the cost of constructing or improving their drinking water infrastructure projects to achieve or maintain compliance with the Safe Drinking Water Act (SDWA). The U.S. Congress established the DWSRF program as a new section 1452 of the SDWA, 42 U.S.C. 300f-12, by the SDWA Amendments of 1996, Public Law 104-182. The SDWA was established to help prevent contamination through source water protection and enhanced water system management. It also emphasizes the needs of small water systems, such as Kapaemahu. The proposed project is consistent with the overall program intent to prevent potential contamination and the program emphasis on small water systems. This discussion includes all of the environmental information required for compliance with the DWSRF program.

Comment 2:

Please provide population projections within the project area.

Response: The following addition has been made to the FEA in Section 3.12.1:

According to the County of Hawaii General Plan (2005), it is estimated that the resident population in the Hāmākua District has been growing at an average rate of 1.1 percent since 2000 and is projected to do so over five years up through 2020 (see Table 1).

Table 1 Projected Resident Population of the Hāmākua District

Year	2005	2010	2015	2020	% Annual Change				
					2000-2005	2005-2010	2010-2015	2015-2020	2005-2020
6,705	6,186	6,507	6,952	7,328	0.7%	1.2%	1.1%	1.1%	1.1%

Source: Census of Population of Hawaii (2005)

The Final Environmental Assessment Finding of No Significant Impact is enclosed for your records. Should you have any questions, please call Mr. Terence L. Sage at the Department of Water Supply, (808) 961-3070, extension 250.

Sincerely yours,

Michael D. Pavao, P.E.
Manager

HC:dfg

Enc.

copy - (w/o enc.) Mr. Greg Fukumitsu, Kapaemahu Water Resource Engineering
(w/o enc.) Mr. Percy J. White, Planning Solutions, Inc.

COMMENT NO. 10

PHONE (808) 594-1894



STATE OF HAWAII
OFFICE OF HAWAIIAN AFFAIRS
711 KAPOLANI BOULEVARD, SUITE 500
HONOLULU, HAWAII 96812

FAX (808) 594-1895

HRK-04203

May 26, 2009

Perry White
Planning Solutions, Inc.
1770 Ward Avenue, Suite 350
Honolulu, HI 96814

RE: Request for comments on proposed Kūpulehu Well and Reservoir, Draft Environmental Assessment (DEAA) Hanalei District, Hawaii TMRs 4-7-02:29 and 4-7-02:35

Alonah Perry White,

The Office of Hawaiian Affairs (OHA) is in receipt of the above mentioned letter dated April 24, 2009. OHA is reviewing the project and offers the following comments:

OHA notes that this area is in need of water service and that currently all water is being bottled in. Further, the ditched area is expected to be less than an acre. We do see that the withdrawal of water from the island's basin will not substantially alter the stream flow in the adjacent streams. However, we do think this proposed withdrawal will have an effect on recharging the aquifer.

While we do acknowledge the possibility of minimal adverse impacts being generated from this proposal, OHA is not comfortable passing up probable impacts and a so departing from the requirements of law. OHA points out that the DEAA frankly states that no formal survey was done and yet concludes that, "No rare or endangered species are known or expected to be present."

Without such basic things as biological surveys, reviewers are unable to assess this proposal for potential impacts and offer meaningful mitigating comments. A sophisticated applicant such as the Department of Water Supply clearly understands that the public hearing process cannot be a mere dependency on the applicant's word for it. This is especially true when the applicant and the approving agency are one and the same, as is the case here. OHA points out that such omissions have been reason to declare environmental reviews deficient, causing needless delays and expense. It is not our intention to over-scrutinize if not applicants and we hope that this be corrected in the next draft.

Further, on April 26, 2009, the Governor approved House Bill No. 2895 H.B. 2895 which amended Chapter 344 Hawaii Revised Statutes to require a cultural impact assessment to be included in the preparation of an environmental assessment. OHA says that the applicant did consult with OHA on the

April 27, 2009
May 26, 2009
Page 2

pre consultation for this DEAA; however, we wonder what other Native Hawaiians or groups were consulted with. Further, we note that a field inspection was conducted in early 2009; however, we think this inspection was limited on archeological procedures of others such as to create a DEAA the Office's new for Assessing Cultural Impacts established by the Hawaii State Office of Environmental Quality Control. We read on page 3-10 of the DEAA that, "there is no indication of any kind that the project involves resources necessary to or currently being used by either Native Hawaiian cultural practitioners exercising traditional and customary access and use rights for any purposes or by individuals of any other cultural affiliation for any traditional cultural purposes." We ask what this conclusion is based on.

OHA is the "principal public agency in this state responsible for the performance, development, and coordination of programs and activities relating to native Hawaiians and Hawaiians." (Hawaii Revised Statutes (HRS) § 10-5-30). It is our duty to "[a]ssess[] the policies and practices of others' agencies impacting on native Hawaiians and Hawaiians, and coordinate[] mitigatory efforts for native Hawaiians and Hawaiians." (HRS § 10-5-41). Without biological or cultural assessments or surveys, one of the tools that this agency uses to perform our constitutional and statutory obligations is taken from us. While it may be that your conclusions are correct, we hope that such data and information not presented to an environmental review so that we can at least have the chance to agree.

OHA also asks that if the project does go forward, that the project area be planted with the same type of vegetation that was removed to restore the site as closely as possible to the original condition. OHA would like to suggest that the project area be landscaped with drought tolerant native or indigenous species that are endemic to the area. Any invasive species should also be removed. Doing so would serve to further the traditional Hawaiian concept of mālama 'āina and create a more Hawaiian sense of place.

OHA also asks that, in accordance with section 46 of Hawaii Revised Statutes and Chapter 15-820, Hawaii Administrative Rules, if the project moves forward, and if any significant cultural deposits or human skeletal remains are encountered, work shall stop in the immediate vicinity and the State Historic Preservation Department shall be contacted.

Thank you for the opportunity to comment. If you have further questions, please contact Grant Amshel by phone at (808) 254-0265 or e-mail at grant@pau.hawaii.gov.

Oloana Alonah Perry White,

Alonah Perry White

Cynthia Namato
Administrator

C OHA-DEAA-10-0



DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII
 OFFICE OF THE DEPUTY COUNTY CLERK
 100 SOUTH KALANIANAʻOHE AVENUE, SUITE 200
 HONOLULU, HAWAII 96813

August 14, 2009

Mr. Clyde W. Nambu, Administrator
 State of Hawaii
 Office of Hawaiian Affairs
 711 Kapiolani Boulevard, Suite 500
 Honolulu, HI 96813

**DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
 HIAMĀKUA DISTRICT, ISLAND OF HAWAII**

Thank you for your May 26, 2009 letter concerning the proposed Kapulena Well & Reservoir Project. We appreciate the time you and your staff spent reviewing the Draft Environmental Assessment (DEA) and providing written comments. Our responses to your comments (which are reproduced for clarity) are provided below.

Comment 1:

OHA notes that this area is in need of water service and that currently all water is being trucked in. Further, the disturbed area is expected to be less than an acre. We do see that the withdrawal of water from the channel's head form will not substantially alter the stream flow in the downstream stream, however, we do ask if this proposed withdrawal will have an effect on recharging the aquifer.

Response: Recharge of the aquifer occurs at the ground surface of the upgradient watershed. Recharge is that portion of rainfall (a fog drip at high elevations) that percolates downward rather than becoming surface runoff or evaporative loss back to the atmosphere. Development and use of the well will have no impact on this process. Section 3.2.2.1 of the Draft DEA discusses the effect that the addition of approximately 6,000 square feet of impermeable surface would have on runoff. It concludes that because of the design of the project's storm drainage system (which includes a seepage pit) and the permeable nature of the area's soil and underlying rock, runoff from the site would increase recharge decrease only when rainfall is very intense. Thus, when all factors are considered, the proposed action would not decrease long-term recharge.

Comment 2:

While we do acknowledge the possibility of potential adverse impacts being generated from this proposed, OHA is not comfortable guessing at probable impacts and also departing from the requirements of law. OHA points out that the DEA frankly states that no formal survey was done and yet concludes that "No rare or endangered species are known or expected to be present."

Without such basic things as biological surveys, reviewers are unable to assess the proposal for potential impacts and offer meaningful mitigating comments. A sophisticated applicant such as the Department of Water Supply surely understands that the public weighing process cannot be made to depend on the applicant's word here. This is especially true when the applicant and the approving agency are one and the same, as is the case here. OHA points out that such comments have been region to declare environmental review deficient. OHA requires delay and expense. It is not our intention to visit such comments upon applicants and we urge that this be corrected in the next draft.

Water being proposed

Water being proposed for use in the project area is not expected to be a significant factor in the project's impact on the environment.

Mr. Clyde W. Nambu, Administrator
 Page 2
 August 14, 2009

Response: Rana Biological Consulting, Inc., has conducted a biological survey of the project site. The survey report, which is included as Appendix U in the Final E.A., concludes that modification of the current habitat on the Kapulena site is not expected to result in significant impacts to any botanical, avian or mammalian species currently listed or proposed for listing under either the Federal, or State of Hawaii's endangered species laws. It also finds that the development of the site would not have a significant deleterious impact on native floral resources found within the Hāmākua District. DWS will take appropriate preventative measures to avoid the potential disturbance of nesting Hawaiian honeyeaters by inhibiting the recreation of the biological survey report.

Comment 3:

Further, on April 26, 2009, the Governor approved House Bill No. 2095 (H.B. 2095) for Senate, which amended Chapter 313 (Hawaii Revised Statutes) to require a cultural impact assessment to be included in the preparation of an environmental assessment. OHA sees that the applicant did consult with OHA on the pre-consultation for this DEA, however, we wonder what other Native Hawaiians or groups were consulted with. Further, we note that a field inspection was conducted in early 2009, however, we ask if this inspection was focused on archaeological resources or others such as subsistence. (See the Guidelines for Assessing Cultural Impacts established by the Hawaii State Office of Environmental Quality Control). We read on page 4.10 of the DEA that "There is no indication of any kind that the project area has resources necessary to it currently being used by either Native Hawaiian cultural practitioners exercising traditional and customary access and use rights for any purposes or by individuals of any other cultural affiliation for any traditional cultural purposes." We ask what this conclusion is based on.

OHA is the "premier public agency in this State responsible for the performance, development, and coordination of programs and activities relating to native Hawaiians and Hawaiians." (Hawaii Revised Statutes (HRS) § 10-3.3). It is our duty to "afford (1) the policies and practices of other agencies imposing on native Hawaiians and Hawaiians, and conduct (2) advisory efforts for native Hawaiians and Hawaiians." (HRS) § 10-10.14.1. Without biological or cultural assessments or surveys, one of the tools that this agency uses to perform our constitutional and statutory obligations is taken from us. While it may be that your conclusions are correct, we urge that such data and information must be created in an environmental review so that we can at least have the chance to agree.

Response: Appendix B of the Final Environmental Assessment includes a copy of the cultural impact assessment report that Rechman Consulting, LLC prepared for the project. Based on the results of the report and the lack of any evidence that the proposed project site is used for traditional cultural purposes, along with the absence of unique archaeological resources at the sites, the project is not anticipated to have adverse effects on historic resources or cultural uses. Neither will it impact or limit the ability of native Hawaiian practitioners to access cultural resources in adjacent areas.

Comment 4:

OHA also asks that if the project does go forward, then the project area be planned with the same type of vegetation that was removed to restore the site as closely as possible to the original condition. OHA would like to suggest that the project area be landscaped with drought tolerant native or indigenous species that are common to the area. Any invasive species should also be removed. Doing so would serve to further the traditional Hawaiian concept of mālama 'āina and create a more Hawaiian sense of place.

Response: If the exploratory well produces favorable results, and DWS moves ahead with the project, virtually all of the existing non-native vegetation will be removed from the project site during the first phase of construction. Most of the cleared area would then be maintained periodically to prevent vegetation regrowth. While this will not remove all invasive species that are now present, it will minimize the potential for the

Mr. Clyde W. Nunnery, Administration

Page 3

August 13, 2009

proposed action to promote the further spread of invasive species. The DWS will consider your recommendation concerning the use of drought tolerant native or indigenous species in any landscaping or undertakes for the project.

Should the results of tests of the proposed exploratory well prove unfavorable, the Department of Water will reevaluate the site. Consideration would be given to the use of native or indigenous species for this purpose, but the fact that the site is surrounded by invasive non-native vegetation may make this impractical.

Comment 4:

CHH also asks that, in accordance with Section 66-24-5, Hawaii Revised Statutes and Chapter 13-409, Hawaiian Administrative Rules, if the project moves forward and if any significant cultural deposits or human skeletal remains are encountered, work shall cease in the immediate vicinity and the State Historic Preservation Division shall be contacted.

Response: The DWS will require the contractor to cease work immediately, to protect the inadvertent discovery from additional disturbance, and to notify SHPD immediately in the event that undocumented archaeological and/or cultural remains are encountered.

The *Final Environmental Assessment Finding of No Significant Impact* is enclosed for your records. Should you have any questions, please call Mr. Terrance L. Naga at the Department of Water Supply, (808) 961-8070, extension 250.

Sincerely yours,



William D. Pava, P.E.
Manager

HIS dfr

Enc

copy 1w to and 1 Mr. Greg Luskunilua, Tom Sauer Water Resource Engineering
1w to and 1 Mr. Perry J. White, Pizzone Solutions, Inc.



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THE UNIVERSITY OF CHICAGO

2012-2013

NOTE: SEVENTH EDITION, COEFFICIENTS OF CORRELATION
FOR DIFFERENT TYPES OF DATA

we are in receipt of the above referenced draft environmental assessment report prepared under Environmental Protection Act, 1986, and after the 15 January 1988.

[illegible]

James Stewart, 41, a photographer, testified that "the State Technical Water Board has called for replacement of the water mains in the Harbor area prior to the water system development plan of the State (GWS&S)."

If you have any questions, please contact Zach Kozlowski at the RUC Drinking Water Branch, Environmental Protection of the RUC.

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DEPARTMENT OF WATER SUPPLY • COUNTY OF HAWAII-1

$\leq 3.67 \times 10^{-4} \text{ m}^2 \text{ s}^{-1}$ and $1.1 \times 10^{-4} \text{ m}^2 \text{ s}^{-1}$ for the two cases, respectively. The values of D_{eff} are in good agreement with those reported in the literature for the diffusion of organic vapors in polymers.¹²

August 10, 2009

Mr. Stuart Yamada, P.E., Chief
State of Hawaii
Department of Health
Safe Drinking Water Branch
Environmental Management Division
P.O. Box 4378
Honolulu, HI 96814-4378

DRAFT ENVIRONMENTAL ASSESSMENT: KAPULENA WELL AND RESERVOIR
HĀSTAKUA DISTRICT, ISLAND OF HAWAII

Thank you for your June 3, 2009 letter concerning the proposed Kapukine Well & Kesteven Project. We appreciate the time you and your staff spent reviewing the Draft Environmental Assessment (DEA) and providing written comments. Our responses to your comments (which are reproduced for clarity) are provided below.

Courtesy of S

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SOHR Commander's "perception" that the "the Side Looking Wager Hatch has ended a phase in the water service as its number one priority for water supply development in the State SOHR."

Response: The above statement is derived from the "Drinking Water Treatment Revolving Loan Fund Intended Use Plan for the State of Hawaii Fiscal Year (SFY) 2009, the Federal Fiscal Year (FFY) 2008 Appropriation and the American Recovery and Reinvestment Act of 2009 Appropriation." The Safe Drinking Water Branch of the State of Hawaii's Department of Health submitted this report to the U.S. Environmental Protection Agency, Region IX, on May 16, 2009. The Final Environmental Assessment (FEA) now contains this reference in the bibliography.

The Field Environmental Assessment Finding of No Significant Impact is enclosed for your records. Should you have any questions, please call Mr. Terence L. Naps at the Department of Water Supply, (808) 961-3070, extension 750.

Sincerely yours,

Michael D. Pardo, P.L.
Maurice

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supp. (w/eng.) Mr. Greg Finkelman, Town & Village Water Resources Engineering
(w/eng.) Mr. Perry J. White, Planning Solutions, Inc.

After drawing polygons,

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