

General Application for a UIC Permit to Operate

version 9.2

(Submission #: HNB-XN56-W2PQG, version 5)

Summary

Submission #:	HNB-XN56-W2PQG	Date Submitted:	5/17/2018 10:13 AM
Form:	General Application for a UIC Permit to Operate	Status:	Submitted
Submitted By:	Dennis Poma	Submission Creator:	Dennis Poma
Active Steps:	Administrative Review & Assign Staff (Submission Details-Processing History Page)		
File/Reference #:		Reference #:	
Description:	Hu Honua General Application for a UIC Permit to Operate		

Notes

HI Internal-Only Processing Note

Norris Uehara on 3/6/2018 (Payment Processing) COMPLETE

Changed financial status from Due to Paid. These changes were made by Norris Uehara on 3/6/2018.

HI Internal-Only Processing Note

Norris Uehara on 4/3/2018 (Payment Processing) COMPLETE

Changed financial status from Due to Paid. These changes were made by Norris Uehara on 4/3/2018.

HI Internal-Only Processing Note

Norris Uehara on 5/8/2018 (Payment Processing) COMPLETE

Changed financial status from Due to Paid. These changes were made by Norris Uehara on 5/8/2018.

HI Internal-Only Processing Note

Norris Uehara on 5/15/2018 (Payment Processing) COMPLETE

Changed financial status from Due to Paid. These changes were made by Norris Uehara on 5/15/2018.

Details

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (Applicant Action Required)

file number assigned to the application-UH-3051

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (Applicant Action Required)

recent news indicate that facility name has changed to "Honua Ola." Is the name in the application still applicable? If not, then you need to change the facility name inn this application.

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 4/23/2018 (Applicant Action Required)

change the file number to UH-3051

Facility

Facility Name:

Hu Honua Bioenergy, LLC

UIC Permit or File Number (if already assigned):

UH-2941

Facility Description:

State-of-the-Art bioenergy facility that will provide renewable energy to support Hawaii's clean energy goals. Hu Honua proposes to generate up to 21.5 megawatts net (25.2 megawatts gross) of electric power fueled by renewable sources. The facility will require non-contact cooling water supplied by up to four brackish water supply wells (Registration Nos. (8-5005-03 through 05 and 09). Water requirement is up to 21.6 MGD for cooling to be discharged into three (3) UICs on site.

Location

19.8433429,-155.0864315
NONE PROVIDED

USGS Topographic Map- Attachment

Fig1_vicinity_map.pdf - 02/26/2018 08:47 PM

Comment:

Site Plan- Attachment

HHB_WELL SITE PLAN.pdf - 02/26/2018 08:48 PM

Comment:

Site Location Details

28-283 Sugar Mill Road, Pepeekeo, HI 96783

TMK Map- Attachment

TMK Map.pdf - 02/26/2018 08:49 PM

Comment:

PUBLICLY ACCESSIBLE Processing Note
Jaime Rimando on **3/8/2018** (*Applicant Action Required*)
Is the owner name still okay?

Owner

Owner Name:

Hu Honua Bioenergy, LLC

Owner Position Title

Owner

Company Name

Hu Honua Bioenergy, LLC

Person filing the application

Representative of Applicant (consultant, professional service)

Primary address of the owner

28-283 Sugar Mill Road
Pepeekeo, Hawaii 96783

Phone number (e.g., 555-555-5555):

808-964-1101

Fax number (e.g., 555-555-5555):

808-964-5221

Email:

wlee26@twc.com

Land Interest

Describe the facility's interest in the land on which the facility is built. If the applicant and the fee simple land owner are NOT the same entity, complete the Fee Simple Land Owner Section.

Property Type

Fee Simple Property

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (*Applicant Action Required*)

Is the operator name still okay? Please remember that once a UIC permit is issued and changes to the operator name and facility name occur, you will need to submit a change-of-operator application and a facility-name change application with the related fees in order to revise the permit and to reflect the changes..

Operator

Name of Business Operator:

Hu Honua Bioenergy, LLC

Permanent Address:

28-283 Sugar Mill Road
Pepeekeo, Hawaii 96783

Phone number (e.g., 555-555-5555):

808-964-1101

Fax number (e.g., 555-555-5555):

808-964-5221

Email:

kowen@huhonua.com

Legal Contact

Full Name:

Warren Lee
Title : President

Company:

Hu Honua Bioenergy, LLC

Permanent Address:

28-283 Sugar Mill Road
Pepeekeo, Hawaii 96783

Phone Number (e.g., 555-555-5555):

808-964-1101

Fax Number (e.g., 555-555-5555):

808-964-5221

Email:

wlee26@twc.com

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (*Applicant Action Required*)

you will need to update the facility name on this form if the facility name had changed.

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 4/23/2018 (*Applicant Action Required*)

the consent completed form from the fee simple land owner is not appropriate for this application. Submission number is different. This consent letter was dated in Y2012 and it is for the old application. We need the current completed form.

Fee Simple Land Owner

Requirements for Fee Simple Land Owner

Provide an original signed and dated written acknowledgement and consent from fee simple owner of the property. Only applicable when the applicant and the land owner are NOT the same entity. This form represents the consent of the fee simple land owner that the applicant and its facility are submitting an Underground Injection Control (UIC) application. This form may be substituted by a written consent from the involved entities, if different wording is preferred. However, be sure to be current, accurate, and clear about the proposed action.

Fee Simple Land Owner Name:

Maukaloa Farms, LLC

Primary Street or Mailing address of the Fee Simple Land Owner

PO Box 1350
Santa Rosa Beach, Florida 32459

Phone number (e.g., 555-555-5555):

808-961-3300

Fax number (e.g., 555-555-5555):

NONE PROVIDED

Email:

hank@hankcorrea.com

Fee Simple Land Owner Written Acknowledgement and Consent - Attachment

Land owner consent HHB UH-3051.pdf - 05/04/2018 09:51 AM

Comment:

Consultant

Full Name of Primary Consultant:

Dennis Poma
Title : President/Owner

Company Name:

Advanced Compliance Solutions, Inc. (ACSI)

Engineer Professional Seal- Attachment

Engineer Professional Seal.pdf - 02/26/2018 09:06 PM

Comment:

Address

94-515 Ukee St, #301
Waipahu, Hawaii 96797

Phone Number (e.g., 555-555-5555):

808-369-7116

Fax Number (e.g., 555-555-5555):

866-282-6206

Email:

dennis.poma@acsihawaii.com

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (*Applicant Action Required*)

identify all the sources and provide the "volume and percentage" of each source. The assigned % to each source should add-up to 100%. Show flow diagram showing all the sources/wastetream. All wastewater sources must be identified even minute contribution to the wastream.

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on 3/8/2018 (*Applicant Action Required*)

Provide Material Safety Data Sheet (MSDS) for any chemical to be used—chemical additive/ antiscalant.

Injection System

Number of injection wells

3

Source of injected fluid (select all that apply)

Other

Industrial

Other: Non-contact cooling water, water purification impurities, boiler blowdown and laboratory samples

Describe in detail the wastestream process and chemical composition of the injectant. If submitting via attachment, please type "See attached."

See Attached Cooling Water & industrial Waste Water Process Flow & Chemical Composition

Wastestream Process- Attachment

Hu Honua Reagent MSDS 2 1174106.pdf - 04/02/2018 09:05 PM

Hu Honua Reagent MSDS 3 1174113.pdf - 04/02/2018 09:05 PM

Hu Honua Reagent MSDS1 1174100.pdf - 04/02/2018 09:05 PM

3 D TRASAR 3DT120.pdf - 04/02/2018 09:05 PM

NALCO 352.pdf - 04/02/2018 09:06 PM

NALCO BC2036.pdf - 04/02/2018 09:06 PM

NALCO ELIMIN-OX.pdf - 04/02/2018 09:06 PM

NALCO TRAC108.pdf - 04/02/2018 09:06 PM

NexGuard 22300.pdf - 04/02/2018 09:06 PM

PermaTreat PC-391T.pdf - 04/02/2018 09:06 PM

FINAL_SummaryWWProcess & Chemistry_UIC 5-17-18.pdf - 05/17/2018 10:11 AM

Boiler_noncontat Chem addatives usage 5-17-18.pdf - 05/17/2018 10:11 AM

Comment:

Describe the connection of the wastewater source(s) to the injection well system and the connection between each injection well within the system. If submitting via attachment, please type "See attached."

See Attached UIC Injection Well Layout, Drawings C-1 and C-2

Connection of the Wastewater Source(s)- Attachment

UIC Injection Well System LAYOUT Sheets C1 and C2 2-28-18.pdf - 03/01/2018 06:32 PM

Comment:

Rainfall runoff drainage injection wells- Attachment

NONE PROVIDED

Comment: NONE PROVIDED

Schematic flow diagrams- Attachment

Attach 1 726008F05-REVE041018.pdf - 05/02/2018 10:45 AM

Comment:

PUBLICLY ACCESSIBLE Processing Note
Jaime Rimando on **3/8/2018** (*Applicant Action Required*)
Are the ave. and max. quantities represent as a system flow?

Proposed Injection Quantity (1)

Injection Well Number.

#1

Injection Manner:

Continuous

Average Injection Quantity in gallons per day (gpd): representative average over a calendar week.

7211520

Maximum Injection Quantity in gallons per day (gpd): representative maximum for one day.

7211520

Injection Rate:

Fixed

Average Injection Rate in gallons per minute (gpm): representative average over 24 hours.

5008

Maximum Injection Rate in gallons per minute (gpm): representative maximum for one day.

5008

Average Injection Duration in hours per day: representative average over a calendar week.

24

Maximum Injection Duration in hours per day: representative maximum for one day.

24

Injection Pressure:

Gravity Fed

Wellhead:

Open to atmosphere (vented)

Wellhead terminus elevation in feet above (+) or below (-) ground surface.

83

If pump fed and unvented, average injection pressure in pounds per square inch (psig) at the wellhead: representative average over time of use.

NONE PROVIDED

If pump fed and unvented, maximum injection pressure in pounds per square inch (psig) at the wellhead: representative maximum for one day.

NONE PROVIDED

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on **3/8/2018** (*Applicant Action Required*)

Because there are only three (3) proposed injection wells, we prefer that you provide the information by filling out this section instead of providing a table.

PUBLICLY ACCESSIBLE Processing Note

Jaime Rimando on **3/8/2018** (*Applicant Action Required*)

If the proposed depth is say, 500 ft. The surface elevation and the bottom elevation must be equal to 500 ft. All information must be accounted for.

Well Dimensions (1)

Injection well no.

#1

Injection well location:

19.842697023268723,-155.08566170601273

NONE PROVIDED

Diagram For Injection Well Dimensions

Please use the following diagram to answer the questions below. Type N/A if not applicable.

[Injection Well diagram](#)

A Elevations:

A. Ground Surface (ft., msl)

83.0

A. Bottom of Well (ft.,msl)

-317.0

B. Total Depth of Well Below Ground Surface (ft.)

400.0

C. Diameter of Boring (in.)

33.0

D. Well Cellar:

D. Lateral Dimensions

NA

D. Depth (ft.)

NA

D. Material

NA

E. Solid Casing:

E Diameter (in.)

26.0

E Stick Up (ft.):

5.0

E Total Length (ft.)

125.0

E Material

316L SST

F. Perforated Casing

F. Diameter (in)

NA

F. Perforation (sq. in./ L)

NA

F. Stick Up (ft)

NA

F. Total Length (ft.)

NA

F. Material

NA

G. Open Hole :

G Diameter (in.)

24.0

G Total Length (ft.)

280.0

H. Annular Backfill:

H. Capping

NA

H. Solid Casing

Grout

H. Separation

NA

H. Perforated Casing

NA

H. Open Hole

NA

I. Approximate Depth of Groundwater (ft.)

78.0

Optional Table for Multiple Injection Wells

The applicant may enter data in the table instead of single entries for each injection well. If using the table, do not select the "+" icon in the section heading.

Table Data

NONE PROVIDED

Well Dimensions Spreadsheet- Attachment

Well Dimensions M-1 &M-2 2018.pdf - 03/01/2018 06:39 PM

Comment:

Proposed Injection Quantity (2)

Injection Well Number.

#2

Injection Manner:

Continuous

Average Injection Quantity in gallons per day (gpd): representative average over a calendar week.

7211520

Maximum Injection Quantity in gallons per day (gpd): representative maximum for one day.

7211520

Injection Rate:

Fixed

Average Injection Rate in gallons per minute (gpm): representative average over 24 hours.

5008

Maximum Injection Rate in gallons per minute (gpm): representative maximum for one day.

5008

Average Injection Duration in hours per day: representative average over a calendar week.

24

Maximum Injection Duration in hours per day: representative maximum for one day.

24

Injection Pressure:

Gravity Fed

Wellhead:

Open to atmosphere (vented)

Wellhead terminus elevation in feet above (+) or below (-) ground surface.

83

If pump fed and unvented, average injection pressure in pounds per square inch (psig) at the wellhead: representative average over time of use.

NONE PROVIDED

If pump fed and unvented, maximum injection pressure in pounds per square inch (psig) at the wellhead: representative maximum for one day.

NONE PROVIDED

Construction

Drilling Contractor

Derricks Well Drilling & Pump Services, LLC

Describe the Proposed Injection Well Construction Method:

Rotary drilled

Well Dimensions (3)

Injection well no.

#2

Injection well location:

19.842673055136387,-155.08552759556198

NONE PROVIDED

Diagram For Injection Well Dimensions

Please use the following diagram to answer the questions below. Type N/A if not applicable.

[Injection Well diagram](#)

A Elevations:

A. Ground Surface (ft., msl)

83.0

A. Bottom of Well (ft.,msl)

-317.0

B. Total Depth of Well Below Ground Surface (ft.)

400.0

C. Diameter of Boring (in.)

33.0

D. Well Cellar:

D. Lateral Dimensions

NA

D. Depth (ft.)

NA

D. Material

NA

E. Solid Casing:

E Diameter (in.)

26.0

E Stick Up (ft.):

5.0

E Total Length (ft.)

125.0

E Material

316L SST

F. Perforated Casing

F. Diameter (in)

NA

F. Perforation (sq. in./ L)

NA

F: Stick Up (ft)

NA

F. Total Length (ft.)

NA

F. Material

NA

G. Open Hole :

G Diameter (in.)

24.0

G Total Length (ft.)

280.0

H. Annular Backfill:

H. Capping

NA

H. Solid Casing

Grout

H. Separation

NA

H. Perforated Casing

NA

H. Open Hole

NA

I. Approximate Depth of Groundwater (ft.)

78.0

Optional Table for Multiple Injection Wells

The applicant may enter data in the table instead of single entries for each injection well. If using the table, do not select the "+" icon in the section heading.

Table Data

NONE PROVIDED

Well Dimensions Spreadsheet- Attachment

Well Dimensions M-1 &M-2 2018.pdf - 04/02/2018 09:01 PM

Comment:

Proposed Injection Quantity (4)

Injection Well Number.

#3

Injection Manner:

Continuous

Average Injection Quantity in gallons per day (gpd): representative average over a calendar week.

7211520

Maximum Injection Quantity in gallons per day (gpd): representative maximum for one day.

7211520

Injection Rate:

Fixed

Average Injection Rate in gallons per minute (gpm): representative average over 24 hours.

5008

Maximum Injection Rate in gallons per minute (gpm): representative maximum for one day.

5008

Average Injection Duration in hours per day: representative average over a calendar week.

24

Maximum Injection Duration in hours per day: representative maximum for one day.

24

Injection Pressure:

Gravity Fed

Wellhead:

Open to atmosphere (vented)

Wellhead terminus elevation in feet above (+) or below (-) ground surface.

83

If pump fed and unvented, average injection pressure in pounds per square inch (psig) at the wellhead: representative average over time of use.

NONE PROVIDED

If pump fed and unvented, maximum injection pressure in pounds per square inch (psig) at the wellhead: representative maximum for one day.

NONE PROVIDED

Well Dimensions (5)

Injection well no.

#3

Injection well location:

19.842478786982497,-155.0855678286972

NONE PROVIDED

Diagram For Injection Well Dimensions

Please use the following diagram to answer the questions below. Type N/A if not applicable.

Injection Well diagram

A Elevations:

A. Ground Surface (ft., msl)

83.0

A. Bottom of Well (ft.,msl)

-317.0

B. Total Depth of Well Below Ground Surface (ft.)

400.0

C. Diameter of Boring (in.)

33.0

D. Well Cellar:

D. Lateral Dimensions

NA

D. Depth (ft.)

NA

D. Material

NA

E. Solid Casing:

E Diameter (in.)

26.0

E Stick Up (ft.):

5.0

E Total Length (ft.)

125.0

E Material

316L SST

F. Perforated Casing

F. Diameter (in)

NA

F. Perforation (sq. in./ L)

NA

F. Stick Up (ft)

NA

F. Total Length (ft.)

NA

F. Material

NA

G. Open Hole :

G Diameter (in.)

24.0

G Total Length (ft.)

280.0

H. Annular Backfill:

H. Capping

NA

H. Solid Casing

Grout

H. Separation

NA

H. Perforated Casing

NA

H. Open Hole

NA

I. Approximate Depth of Groundwater (ft.)

78.0

Optional Table for Multiple Injection Wells

The applicant may enter data in the table instead of single entries for each injection well. If using the table, do not select the "+" icon in the section heading.

Table Data

NONE PROVIDED

Well Dimensions Spreadsheet- Attachment

Well Dimensions M-1 &M-2 2018.pdf - 04/02/2018 09:02 PM

Comment:

Injection Test

Describe Proposed Injection Test

See also Separate Injection Test Plan document. Individual testing of each UIC well will be conducted under three scenarios: Scenario 1- Normal Injection Rate- the normal rate (standard operating rate) of injection (per well) with two wells accepting once-through cooling water discharge and the third well on standby is approximately 7,500gpm per well. Scenario 2- Maximum System Rate- the maximum rate of injection (per well) with two wells accepting once-through cooling water discharge and the third well on standby is approximately 9,000gpm per well. Scenario 3- Maximum Cumulative Rate- the maximum rate of injection for each well accepting once-through cooling water discharge alone with two wells on standby will be determined by incrementally increasing injection rate to a maximum of 17,000gpm per well. Test waters will be supplied by the production wells to achieve desired flow rates for the test. Prior to any testing of the UIC wells, discrete depth ("thief") baseline samples of water from the top, middle, and bottom of the open well interval will be collected and analyzed for temperature, conductivity and salinity as per SDWB requirements. During injection testing, water levels in all other production and UIC wells, using transducers coupled with manual water level readings with a sounder will be collected. In addition, a temperature/conductivity meter (such as the Solinst 107 TLC meter) will be used to gather any changes to the baseline conductivity and temperature data in the two UIC wells not receiving discharge, at the same depth intervals as per baseline measurements. Injection testing for each well will be performed for at least 12 hours according to SDWB requirements but may be extended to reach static conditions at respective injection rates. Well Performance System Test: This test consists of a full-scale evaluation of the production well system, with discharge to the UIC wells, anticipated to be 5,000 gpm pumping from each of three production wells or 15,000 gpm total. The system is designed to have two UIC wells receive 7,500 gpm each. The test will be run for minimum of 12 hours. This test scenario represents normal operating conditions during power generation. Drawdown levels in production wells and head build-up in UIC wells will be measured manually with a water level sounder to ensure that excessive drawdown/buildup does not occur during full-system operations.

Water Quality

Source(s) of nonpotable water serving the facility:

Mauka Wells Nos. 1 and 2 (8-5005-06 and -07)

Source of potable water serving the facility:

County of Hawaii Board of Water Supply

Available Groundwater Quality (If available):- Attachment

NONE PROVIDED

Comment: NONE PROVIDED

Special Comments or Considerations

Would the injection activity pursuant to this proposed permit application affect any public trust or Native Hawaiian resources or the exercise of traditional cultural practices in the vicinity?

No

If you selected "yes" above, indicate what feasible action can be taken to protect those resources or exercise of practices.

NONE PROVIDED

Please describe any additional information that should be taken into consideration for processing your application.

Injection Well Test Plan provided.

And/Or Provide supporting attachment(s).- Attachment

11-FINAL_Injection Test Plan_2-28-18.pdf - 03/01/2018 06:41 PM

Comment:

Attachments

Date	Attachment Name	Context	Confidential?
2/26/2018 8:47 PM	Fig1_vicinity_map.pdf	v5 - Location	No
2/26/2018 8:48 PM	HHB_WELL SITE PLAN.pdf	v5 - Location	No
2/26/2018 8:49 PM	TMK Map.pdf	v5 - Location	No
2/26/2018 9:06 PM	Engineer Professional Seal.pdf	v5 - Consultant	No
3/1/2018 6:32 PM	UIC Injection Well System LAYOUT Sheets C1 and C2 2-28-18.pdf	v5 - Injection System	No
3/1/2018 6:39 PM	Well Dimensions M-1 &M-2 2018.pdf	v5 - Well Dimensions	No
3/1/2018 6:41 PM	11-FINAL_Injection Test Plan_2-28-18.pdf	v5 - Special Comments or Considerations	No
4/2/2018 9:01 PM	Well Dimensions M-1 &M-2 2018.pdf	v5 - Well Dimensions	No
4/2/2018 9:02 PM	Well Dimensions M-1 &M-2 2018.pdf	v5 - Well Dimensions	No
4/2/2018 9:05 PM	Hu Honua Reagent MSDS 2 1174106.pdf	v5 - Injection System	No
4/2/2018 9:05 PM	Hu Honua Reagent MSDS 3 1174113.pdf	v5 - Injection System	No
4/2/2018 9:05 PM	Hu Honua Reagent MSDS1 1174100.pdf	v5 - Injection System	No
4/2/2018 9:05 PM	3 D TRASAR 3DT120.pdf	v5 - Injection System	No
4/2/2018 9:06 PM	NALCO 352.pdf	v5 - Injection System	No
4/2/2018 9:06 PM	NALCO BC2036.pdf	v5 - Injection System	No
4/2/2018 9:06 PM	NALCO ELIMIN-OX.pdf	v5 - Injection System	No
4/2/2018 9:06 PM	NALCO TRAC108.pdf	v5 - Injection System	No
4/2/2018 9:06 PM	NexGuard 22300.pdf	v5 - Injection System	No

Date	Attachment Name	Context	Confidential?
4/2/2018 9:06 PM	Final Treat P-039.PT.pdf	v5 - Injection System	No
5/2/2018 10:45 AM	Attach 1 726008F05-REVE041018.pdf	v5 - Injection System	No
5/4/2018 9:51 AM	Land owner consent HHB UH-3051.pdf	v5 - Fee Simple Land Owner	No
5/17/2018 10:11 AM	FINAL_Summary VVW Process & Chemistry_UIC 5-17-18.pdf	v5 - Injection System	No
5/17/2018 10:11 AM	Boiler_noncontat Chem addatives usage 5-17-18.pdf	v5 - Injection System	No

Status History

Date	User	Processing Status
5/17/2018 10:00:36 AM	Dennis Poma	Draft
5/17/2018 10:13:10 AM	Dennis Poma	Submitted

Processing Steps

Step Name	Assigned To/Completed By	Date Completed
Application Submitted	Dennis Poma	5/17/2018 10:13:10 AM
Administrative Review & Assign Staff (Submission Details-Processing History Page)	Joanna L Seto	
Change Status to "In Review" & Assignments (Submission Details-Processing History Page)	Norris Uehara	
Preliminary Program Review	Norris Uehara	
1-Additional Information Reconciled	Norris Uehara	
1-Additional Information Received - Status Changes automatically to "Submitted" - Change Status to "In Review"	Norris Uehara	
1-Additional Information Requested - Include Status Change Note - Applicant Action Required	Norris Uehara	
2-Additional Information Requested - Include Status Change Note - Applicant Action Required	Norris Uehara	
2-Additional Information Reconciled	Norris Uehara	
2-Additional Information Received - Status Changes automatically to "Submitted" - Change Status to "In Review"	Norris Uehara	
Draft Public Notice and Transmittal Letter or Email	Norris Uehara	
Receive Affidavit of Public Notice Publication - Change Status to "In Review"	Norris Uehara	
Issue Public Notice (if required) - Change Status to "Applicant Action Required"	Norris Uehara	
Review Public Notice Comments	Norris Uehara	
Issue Public Hearing Notice (if justified) - Change Status to "Applicant Action Required"	Norris Uehara	
Hold Public Hearing (if justified)	Norris Uehara	
Review Public Hearing Comments	Norris Uehara	
Draft Public Hearing Notice and Transmittal Letter or Email (if justified)	Norris Uehara	

Receive Affidavit of Public Hearing Notice Publication - Change Status to "In Review" Step Name	Norris Uehara Assigned To/Completed By	Date Completed
Draft Approval-to-Construct Letter	Norris Uehara	
Issue Approval-to-Construct Letter or Email - Change Status to "Applicant Action Required"	Norris Uehara	
Applicant Constructs & Tests Wells, Then Submits Final Engineering/Geological Report - Change Status to "Submitted"	Norris Uehara	
Review Final Engineering and Geological Report - Change Status to "In Review"	Norris Uehara	
Post-Construction-Additional Information Received - Change Status to "In Review"	Norris Uehara	
Post-Construction-Additional Information Requested by Email - Change Status to "Applicant Action Required"	Norris Uehara	
Post-Construction-Additional Information Reconciled	Norris Uehara	
Draft Final Permit to Operate	Norris Uehara	
Issue Final Permit to Operate - Change Status to "Issued" on mailout date	Norris Uehara	