

# CWB NOI Form

version 1.14

(Submission #: HPG-YHSM-8THRB, version 1)

## Details

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**Originally Started By** James T Hayes

**Submission ID** HPG-YHSM-8THRB

**Submission Reason** New

**Status** Draft

## Form Input

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### NPDES General Permit Requirements

**Select the general permit you are requesting coverage under.**

Appendix C - Storm Water Associated with Construction Activity

**Are you conducting earth-disturbing activities in response to a public emergency that meets the eligibility requirements under HAR, Chapter 11-55, Appendix C, Sections 1.3 and 7.2.3?**

No

### **Notice of Intent (NOI) General Requirements**

By submitting this NOI application, you are certifying the following statements:

- I read HAR, Chapters 11-54 and 11-55;
- I understand that State law prohibits any water pollutant to be discharged to a State water except in compliance with HAR, Chapters 11-54 and 11-55;
- I understand that the NPDES General Permits are a privilege and not my right or entitlement;
- I understand that the NPDES General Permits are rules, not permits to be issued;
- I understand that the NPDES General Permits only authorize a specific discharge/activity when I comply with all conditions of the NPDES General Permit;
- I have read every condition of the NPDES General Permit I am requesting coverage under;
- I have determined that my project/activity and organization can, and will, comply with every condition of the applicable NPDES General Permit, and any and all legal obligations;
- I understand that I may only submit the NOI after determining that my project/activity and organization can, and will, comply with every condition of the applicable NPDES General Permit;

- I understand that if I cannot comply with any condition of the NPDES General Permit I need to either fix my organization so that I can comply or I cannot discharge water pollutants to State waters;
- I understand that the Notice of General Permit Coverage (NGPC) is not a permit; it is an authorization to comply with the already issued NPDES General Permit;
- I will design, implement, operate, and maintain appropriate treatment/controls to ensure that my activity/discharge will not violate HAR, Chapters 11-54 and 11-55;
- I have reported any "after the fact" discharges to the CWB enforcement section; and
- The information provided in this application does not include "after the fact" discharges/activities.

**I certify under penalty of law that my proposed discharge will not impair any State waters (including but not limited to rivers, streams, wetlands, ponds, ground waters, and ocean), Native Hawaiian cultural resources (including but not limited to burial sites/iwi, heiau, and taro loi), or the exercise of traditional Native Hawaiian cultural practices.**

Yes, I certify.

**Is this an NOI to continue coverage under a newly re-adopted general permit? This means that you either have a currently effective or administratively extended NGPC under the previous general permit.**

No

**Is this an NOI for a currently issued NGPC, that due to changes in the project/facility, you are required to obtain a new NGPC? Examples of changes include additions of discharge points or disturbance area(s). Please note that a new NGPC must be issued prior to the project commencing the new activities that were not covered under the currently issued NGPC.**

No

## **Permittee Information**

### **Operator Applying to Obtain Permit Coverage on Behalf of Owner**

Operators may apply for and receive NPDES permit coverage on behalf of the Owner provided that authorization is granted by the Owner.

If an Operator specifies that they are applying to obtain NPDES permit coverage on behalf of the Owner, the permit will be issued to the Operator and will be the legal entity that the permit coverage is issued to.

Do NOT specify that the Operator is applying on behalf of the Owner if the Operator is only preparing the NOI for the Owner and WILL NOT be designated as the Permittee.

This option is to allow for Operators to be designated as the Permittee for projects that are owned by a different entity.

**Is the Permittee the operator of the project or activity applying on behalf of the project or activity owner?**

No

**Select the Permittee Organization Type**

Private

**Permittee Legal Name**

California Institute of Technology

**Permittee Mailing Address**

Mail Code 206-31

1200 E. California Blvd.

Pasadena, CA 91125

**Permittee Street Address**

1200 E CALIFORNIA BLVD

PASADENA, CA 91125

**Select the appropriate signatory type and confirm that the Certifying Person meets the requirements for the corresponding type. The Certifying Person has to meet the applicable requirement and be employed by the Permittee.**

Corporation Manager

**Corporation Manager**

I certify that for a corporation, I am the Manager of one or more manufacturing, production, or operating facilities and am authorized to make management decisions which govern the operation of the regulated facility or facilities including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations. I can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements and authority to sign documents has been assigned or delegated to me in accordance with corporate procedures.

**Certifying Person Salutation**

Mr.

**Certifying Person Information****First Name      Last Name**David              *Tirrell***Title***Provost***Phone Type      Number              Extension**

Business          626-395-6336

**Certifying Person Email**

provostoffice@caltech.edu

**Permittee Contact Salutation**

Mr.

**Permittee Contact Information**

<b>First Name</b>	<b>Last Name</b>	
Sunil	Golwala	
<b>Title</b>		
Professor		
<b>Phone Type</b>	<b>Number</b>	<b>Extension</b>
Business	626-395-8003	

**Permittee Contact Email**

golwala@caltech.edu

**Do you wish to designate an authorized representative?**

Yes

**Authorization**

The Certifying Person hereby authorizes the named individual or any individual occupying the named position of the company/organization listed below to act as our representative to submit information/documents necessary to complete the NOI or NPDES permit application to discharge to State waters from the subject facility. The Permittee hereby agrees to comply with and be responsible for all NPDES permit conditions.

Our representative is further authorized to submit information/documents for compliance with the NPDES permit conditions. Upon authorization, unless otherwise noted in the NPDES permit or other applicable requirement(s), the Authorized Representative may sign and submit all compliance submittals except: initial modification requests, initial transfer of ownership requests, changes to Authorized Representative information, Permittee name change notification, and the notice of cessation (NOC). These preceding compliance submissions must be signed by the Certifying Person. The Authorized Representative is also granted any other signatory authorizations as identified in the applicable NPDES permit.

This authorization begins with NOI or NPDES permit application processing and ends upon authorization of a new authorized representative or receipt of the NOC by the CWB. The Permittee is responsible for all information/documents submitted by the duly authorized representative for completion of the NOI or NPDES permit application and for compliance with the NPDES permit conditions.

The Certifying Person attests that the authorized representative meets the requirements of HAR 11-55-07(b). Both the Certifying Person and authorized representative understand that they can be subject to civil and criminal liability for non-compliance with NPDES permit conditions, non-compliance with HAR Chapters 11-54 and 11-55, and for falsifying information.

**Are you designating an individual or position?**

Position

**Authorized Representative Information****Title***CSO Decommissioning Project Manager***Organization Name***M3 Engineering and Technology Coproration***Phone Type      Number                  Extension**

Business            520-293-1488      8602

**Authorized Representative Email**

steven.dawe@m3eng.com

**Authorized Representative Mailing Address**

2051 W SUNSET RD

# 101

TUCSON, AZ 85704

**Authorized Representative Street Address**

2051 W SUNSET RD

# 101

TUCSON, AZ 85704

**Facility/Project Information****Facility/Project Type of Ownership**

Private

**Facility Organization Formal Name**

California Institute of Technology

**Facility Site or Project Name**

Caltech Submillimeter Observatory Decommissioning

**City where the project/facility is located.**

Hilo

**Island where the project/facility is located.**

Hawaii Island

**Facility/Project Mailing Address**

1200 E CALIFORNIA BLVD

MAIL CODE 367-17

PASADENA, CA 91125

**Provide the Facility/Project site address. If no formal street address exists (e.g., for projects constructing new developments with no currently existing roads) enter a location description instead. You must still enter a City, State, and ZIP Code.**

Mauna Kea Science Reserve  
Hilo, HI 96720

**TMK Nos.**

Division (e.g., 1)	Zone (e.g., 9)	Section (e.g., 7)	Plat (e.g., 025)	Portion, Parcel, or Lot (e.g., Lots 1-10, 15, & 20)
3	4	4	15	9

**Facility/Project Site Front Gate Location Coordinates or Start of Linear Construction Location Coordinates**

19.823066422307715,-155.47673989951997

**Facility/Project Contact Affiliation**

Owner

**Facility/Project Contact Salutation**

Mr.

**Facility/Project Contact Person Information**

**First Name**      **Last Name**  
Sunil                      *Golwala*

**Title**  
*Professor*

**Organization Name**  
*California Institute of Technology*

**Phone Type**    **Number**                      **Extension**  
Business            626-395-8003

**Facility/Project Contact Person Email**

golwala@caltech.edu

**Standard Industrial Classification (SIC) and North American Industry Classification System (NAICS) Codes**

Provide your primary SIC and NAICS code associated with your facility and any co-located activities. The primary SIC and NAICS code are the codes that best describe the primary economic activity at the facility. For co-located activities covered by multiple SIC codes, it is recommended that the primary industrial determination be based on the value of receipts or revenues or, if such information is not available for a particular facility, the number of employees or production rate for each process may be compared. The operation that generates the most revenue or employs the most personnel is the operation in which the facility is primarily engaged. In situations where the vast majority of on-site activity falls within one SIC code, that activity may be the primary industrial activity.

Sector and subsector information are only applicable for industrial storm water coverages.

For construction activities, the SIC code(s) are those that most accurately describe the activities of the Permittee.

### **SIC Codes**

SIC Codes may be found at the link below.

[SIC Codes](#)

### **NAICS Codes**

NAICS Codes may be found at the link below. Click on Concordances to access the SIC to NAICS code spreadsheets.

[NAICS Codes](#)

### **Primary SIC and NAICS Code**

Primary SIC Code	Corresponding NAICS Code	Sector	Subsector
8221	611310		

### **Are there any additional SIC and NAICS codes?**

No

### **Existing or Pending Permits, Licenses or Approvals**

Provide the permit number for any applicable Federal, State, or County permits, licenses, or approvals for the project.

Other permits, licenses and approvals include but are not limited to:

- NPDES Individual Permit
- NPDES NGPC
- Section 401 WQC
- Individual Wastewater System Approval
- Recycled Water Reuse Permit
- Hazardous Waste Permit
- Solid Waste Management Permit
- Underground Storage Tank Permit
- Underground Injection Control Permit
- Agricultural Burning Permit
- Air Pollution Control Permit
- Department of the Army Permit (Section 404)

Note: If your project requires work in, above, under or adjacent to State waters, please contact the Army Corps of Engineers (USACE) Regulatory Branch at (808) 438-9258 regarding their permitting requirements.

### **Are there any other existing or pending NPDES permits/NGPCs associated with this project/facility?**

No

**Are there any other existing or pending (non-NPDES) permits, licenses or approvals associated with this project/facility?**

Yes

**Permits, Licenses, or Approvals**

Permit, License, or Approval	Status	File Number (or Other Identifier) if Applicable
Other: Conservation District Use Permit	Issued	HA-3880

**Is the facility on the Superfund Amendments and Reauthorization Act (SARA )313 list?**

No

**Topographic Map(s)**

Attach a topographic map or maps to this submission of the area extending at least one mile beyond the property boundaries of the site which clearly show the following:

1. Island on which the project/facility is located;
2. Legal boundaries of the site;
3. Location and an identification number for each of the site's existing and proposed intake and discharge structures; and
4. Receiving state water(s) and receiving storm water drainage system(s) identified and labeled. If the receiving state water is a wetland, submit a map showing the delineated wetland.

Specify the names of the map(s) that identify these items below.

**Topographic Maps**

[CSOdecomFigure2.pdf - 04/14/2022 06:28 PM](#)

[CSOdecomFigure1.pdf - 04/14/2022 06:28 PM](#)

[CSOdecomFigure3.pdf - 04/14/2022 06:28 PM](#)

[CSOdecomFigure4.pdf - 04/14/2022 06:28 PM](#)

**Comment**

NONE PROVIDED

**Required Maps**

Required Map	Submitted Map(s) Name(s)
Island on Which the Project/Facility is Located	CSOdecomFigure1
Legal Boundaries of the Site	CSOdecomFigure2, CSOdecomFigure3



Required Map	Submitted Map(s) Name(s)
Location and an Identification Number for Each of the Site's Existing and Proposed Intake and Discharge Structures (i.e., discharge points/outfalls)	CSOdecomFigure4
Receiving State Water(s) and Receiving Storm Water Drainage System(s) Identified and Labeled and Wetland Delineations	CSOdecomFigure4

**Permitted Feature(s) Information (1 of 1)**

**Permitted Feature Type**

External Outfall

**Receiving State Waters Name for Permitted Feature**

Pohakukoa Gulch

**Watershed Name for Permitted Feature**

Pohakuloa

**Receiving State Water Classification**

Class 2, Inland

**Receiving Water Type**

Stream, Natural Ditch, Natural Gulch

**Permitted Feature Identifier (Name, e.g., 001, 002, 003, etc.)**

1

**Permitted Feature Location**

19.78700,-155.49808

**Is the receiving State water on the Section 303(d) List?**

No

**Receiving Drainage System(s) Information (1 of 1)**

**Does the discharge enter a STORMWATER DRAINAGE SYSTEM before discharging into the receiving State Waters?**

No

**NOI Form C**

**C.1 - General Information**

You are required to fulfill all requirements. By submitting the NOI, you are certifying the following statements:

- I prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with HAR, Chapter 11-55, Appendix C, Section 7 prior to submitting this NOI;
- I will comply with all terms, conditions, and requirements in HAR Chapter 11-55, Appendix C;
- I will implement, operate, and maintain my SWPPP to ensure that storm water discharges associated with construction activities will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix C;

## **C.2 - Existing Pollution Sources/History of Land Use**

### **Describe the history of land use at the existing Facility/Project site:**

Astronomy facility (Caltech Submillimeter Observatory) from 1983 to 2015

### **Determine if the existing Facility/Project site may contain any existing pollution source(s) by using the following references. Select all references you utilized to determine existing pollution source(s). You are required to check at least one reference.**

Phase I and/or Phase II Environmental Site Assessments, as applicable  
DOH, Solid and Hazardous Waste Branch-Hawaii Underground Storage Tank-Leaking Underground Storage Tank database  
Recent site inspections  
Past land use history

### **Describe any existing pollution source(s) identified in the references you selected above.**

Minor hydraulic fluid releases during construction (1983) and in 2009, which was reported to the HDOH.  
Cesspool is present and will be closed.

### **Hazard Evaluation and Emergency Response (HEER) Office**

You are also required to check the Department of Health, Hazard Evaluation and Emergency Response (HEER) Office Sites, Incidents and Records through the "Viewer" in iHEER at the link below.

Note: The HEER Office is currently updating site information for sites. Most, but not all sites may be displayed on the viewer map. Site Document data upload is ongoing and not all documents may be currently available via this website. To get the complete record for the site, a record request form can be filled and submitted it to the HEER Office. The request form can be at: <https://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/public-records>. Users will then be notified when they are able to download all information via the iHEER system website.

[iHEER](#)

### **Describe any existing pollution source(s) identified in the references you checked above and from HEER Office Sites, Incidents and Records**

None

### **Describe any corrective measures that have been undertaken for any existing pollution source(s):**

None

**Note**

You are required to contact the Department of Health, Office of Hazard Evaluation and Emergency Response at (808) 586-4249 and through e-permitting Form "Notification of Construction Activities" at Form Finder from the link below, if contaminated soil, vapor, or groundwater is known to be present at your project site. Notify at least 90 days prior to surface and subsurface disturbing activities (demolition, building/site configuration changes, grading, excavation, or prior to any other activities) that may disturb the ground surface at HEER sites. If you missed the 90 days notification time frame, notify the HEER Office as soon as possible to avoid any potential delays regarding your project.

[Notification of Construction Activities Form](#)

**C.3 - Construction Site Estimates**

Please provide the following estimates for the construction site.

Parameter	Area	Units
Total project area including areas to be left undisturbed	0	acres
Construction site area to be disturbed including storage and staging areas	2.7	acres
Impervious area before construction	0.24	acres
Impervious area after construction	0	acres

**C.4 - Quantity of Storm Water Runoff**

Estimate the quantity of storm water runoff during construction when the greatest and/or maximum area of disturbance occurs. Provide the supporting calculations.

Storm Water Runoff Quantity	Units
3.1	Cubic Feet per Second (CFS)

**Storm Water Runoff Supporting Calculations**

[CSOdecomRunoffCalc.xlsx - 04/14/2022 06:57 PM](#)

**Comment**

NONE PROVIDED

**C.5 - Soil Characterization**

**Describe the nature of the soil on the project site (including the potential to encounter contaminated soil) and the nature of the fill material to be used.**

Soil is a relative unweathered lava flow near the summit of Maunakea.

There is the possibility that hydraulic fluid affected the soil directly under the foundation slab. Caltech has committed to investigating this potential once the slab has been removed.

**C.6 - Nature and Sequence of Construction Activity**

**What is the nature of the construction activity (Select all applicable activity(ies))?**

Other: Demolition structures and restoration of site

**What is being constructed?**

Nothing

**Describe the scope of work and major construction activities you wish to be covered in this NOI, including baseyards and staging areas. You may only include project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor. A separate NOI will be required for all other project areas.**

Removal of the astronomy facility and associated improvements.  
Grading the CSO site.  
Stockpiling of material at staging area 2

**Is a County-approved Erosion and Sediment Control Plan and/or Grading Permit, where applicable for the activity and schedule for implementing each control, required?**

Yes

**Is a copy of the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, attached?**

No, the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, will be submitted at least 30 calendar days before the start of construction activities.

**C.7 - Project Site Maps and Construction Plans/Drawings**

Attach, title, and identify all maps (pdf - minimum 300 dpi) listed below.

Please reference which maps account for the features listed below.

**Project Site Maps and Construction Plans/Drawings**

[CSO Drawing Set R1.pdf - 04/14/2022 07:02 PM](#)

[CSOdecomFigure2.11.pdf - 04/14/2022 07:13 PM](#)

**Comment**

NONE PROVIDED

**Vicinity of the project on the island.**

GI002

**Boundaries of 100-Year flood plans.**

not applicable

**Areas of soil disturbance.**

CG101, CS102

**Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.**

not applicable

**Pre-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).**  
CG101

**During-Construction Topography (after major grading activities) including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).**  
not applicable

**Post-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).**  
CSOdecomFigure2.11

**C.8 - Construction Schedule**  
Provide the following estimated dates.

**The date when construction activity will begin.**  
6/1/2022

**The date when each major construction activity begins. This includes those activities identified in Section 7.2.5 of HAR 11-55 Appendix C.**

Major Construction Activity	Major Construction Activity Begin Date
Decommissioning	6/1/2022

**The date when the Notice of Cessation form will be submitted.**  
12/31/2022

**Additional Information**

**Additional Information**  
NONE PROVIDED  
**Comment**  
NONE PROVIDED

**Payment Information**

**How are you planning to pay the filing fee for this submission?**  
Online Payment

**Attachments**

<b>Date</b>	<b>Attachment Name</b>	<b>Context</b>	<b>Confidential?</b>	<b>User</b>
4/14/2022 7:13 PM	CSOdecomFigure2.11.pdf	Attachment	No	James Hayes
4/14/2022 7:02 PM	CSO Drawing Set R1.pdf	Attachment	No	James Hayes
4/14/2022 6:57 PM	CSOdecomRunoffCalc.xlsx	Attachment	No	James Hayes
4/14/2022 6:28 PM	CSOdecomFigure2.pdf	Attachment	No	James Hayes
4/14/2022 6:28 PM	CSOdecomFigure1.pdf	Attachment	No	James Hayes
4/14/2022 6:28 PM	CSOdecomFigure3.pdf	Attachment	No	James Hayes
4/14/2022 6:28 PM	CSOdecomFigure4.pdf	Attachment	No	James Hayes