

## Weekly Construction Summary

Week of 04/28/2024

### Construction Summary

Demolition of the dome structure commenced this week.

Monday: The dome shutters were demolished.

Tuesday: Demolition continued until a hydraulic line on the excavator burst. Approximately 10-15 gallons of oil spilled onto the pavement. The spill was contained within two minutes of the line bursting, and the oil was cleaned up with absorbent materials. The equipment was repaired by the end of the day.

Wednesday: Demolition continued, and prep work was done for the removal of the shutter cylinders.

Thursday: The shutter cylinders were removed from the structure, wrapped with absorbent material and double wrapped with plastic, then staged for transport from the site. Demolition continued for the remainder of the day.

Friday: Demolition and removal of demolished material continued.

Daily reports attached.



## INDEPENDENT DECOMMISSIONING PROJECT MANAGER PROJECT DIARY

DATE : Monday, April 29, 2024

WEATHER: Suitable For All Planned Work  
At CSO, high clouds, light wind. Temp  
at 10am 50F. Up to low 50s in the  
afternoon.

PROJECT TITLE: **Caltech Submillimeter Observatory Decommissioning**

Work Hours:

Arrv: **0900**

Dep: **1600**

Report By: **Shawn Gardner**

Monitors on Site:	Cultural - Gerard Mahi
Work Items	Location & Description of Work/Activities
Demolition	<p>Cultural Orientation was conducted at HP, started at 0900 due to personnel arriving from interisland. Included personnel both in person and on Zoom meetings.</p> <p>Upon arriving at the CSO site in the morning, it was found that the HR excavator had developed another leak over the weekend. The oil was cleaned up, and the NW team made repairs that resolved the leaks.</p> <p>At 1150, work was started on demolition of the dome shutters. By 1230, all of the front shutter and most of the top shutter were removed, and work began on loading the demoed material on the trucks. Almost all the material fit on the first four trucks, so the the remainder of the top shutter was demoed, and the material loaded on the fifth truck. That last truck departed at ~1400. The site was thoroughly cleaned up, with the cleanup work finishing at 1600.</p>

### WORK FORCE & EQUIPMENT

NAME	POS	HR	Company	EQUIPMENT	MODEL/TYPE	HR
Jon Steen		8	GBI	20' Container		
Bronson Sylva		8	GBI	Loader	CAT 950 GC	
Brandon Kepano		8	GBI	Excavator	Volvo EC300DL	
Keala Drummondo		8	GBI	High Reach Excavator	Volvo EC480E HR	
				Sunbelt rental manlift	JLG 660SJ	
Bruce Burley		8	NW Demo			
Anthony Ortiz		8	NW Demo			
Darren Whittaker		8	NW Demo			
Jeff Abella		6	Unitek			
Jone Abella		6	Unitek			
Jomhel Ebuon		6	Unitek			
Kama Kobayashi		6	Lehua Environmental			

Signed by: 

Reviewed by: Shawn Gardner

Date 4/29/2024



^ 10:45am - cleaned up oil leak



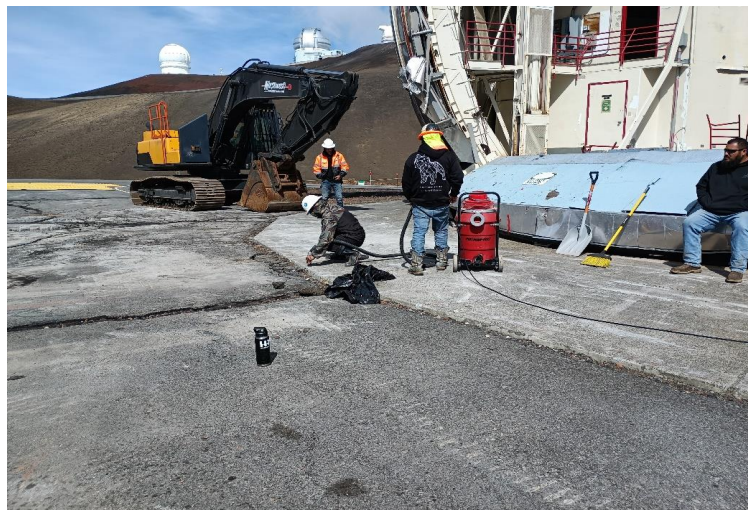
^ 11:50am - started demo



^ 12:30pm - most of shutters demoed



^ 12:36pm - loading demoed material



^ 3:13pm - cleanup in progress



^ 4:03pm - site closed for the day





UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1609

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 4/25/24 4pm

Inspector: James Parker

Expiration date and time: 4/29/24 4pm

Inspection location: De Luz Waimea

Destination: CSD site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 188 HEB Semi

Concerns identified: N/A

Cargo Description: Dump trailer

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)



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No. 1608

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 4/25/24 4pm

Inspector: James Parker

Expiration date and time: 4/29/24

Inspection location: De Luz Waimea

Destination: CSD site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 059 WPA Trailer

Concerns identified: N/A

Cargo Description: empty

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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No. 1641

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/25/24 4pm  
Expiration date and time: 4/29/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 303 HDV Semi  
Cargo Description: dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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UNIVERSITY of HAWAII at HILO  
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No. 1610

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/25/24 4:15pm  
Expiration date and time: 4/29/24 4:15pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 710 HYP trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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UNIVERSITY of HAWAII 'at HILO  
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No. 1726

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 4/25/24 4pm

Inspector: James Parker

Expiration date and time: 4/29/24 4pm

Inspection location: De Luz Waimea

Destination: CSD site Summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 190 HEB Semi

Concerns identified: N/A

Cargo Description: Dump trailer

Remediation taken: N/A

Bait used? ☒ Yes ☐ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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Mucap



UNIVERSITY of HAWAII 'at HILO  
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STEWARDSHIP

No. 1727

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 4/25/24 4pm

Inspector: James Parker

Expiration date and time: 4/29/24 4pm

Inspection location: De Luz Waimea

Destination: CSD site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 159 HXX Trailer

Concerns identified: N/A

Cargo Description: empty

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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Mucap





UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1611

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:



APPROVED



REJECTED

Date and Time: 4/25/24 4:15pm

Inspector: James Parker

Expiration date and time: 4/29/24

Inspection location: De Luz Wainea

Destination: CSD site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 881 HEC Semi

Concerns identified: N/A

Cargo Description: empty trailer

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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LAWA



UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1612

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:



APPROVED



REJECTED

Date and Time: 4/25/24 4:15pm

Inspector: James Parker

Expiration date and time: 4/29/24 4:15pm

Inspection location: De Luz Wainea

Destination: CSD site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 921 HZL trailer

Concerns identified: N/A

Cargo Description: empty

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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LAWA



## INDEPENDENT DECOMMISSIONING PROJECT MANAGER PROJECT DIARY

DATE : Tuesday, April 30, 2024

WEATHER: Suitable For All Planned Work

At CSO, high clouds/overcast, light wind.  
Temp at 8am 35F. Up to high 40s and  
partly cloudy in the afternoon.

PROJECT TITLE: **Caltech Submillimeter Observatory Decommissioning**

Work Hours:

Arrv: **0730**

Dep: **1700**

Report By: **Shawn Gardner**

Monitors on Site:	Cultural - Gerard Mahi
Work Items	Location & Description of Work/Activities
Demolition	<p>Personnel began arriving on site at about 0730, and the excavators were started to warm up. The first haul truck arrived at 0800, the last one arrived at 0930. NW started demo at 0830, working mainly on the gyp-board wall rooms. The water truck applied minimal water needed for dust control.</p> <p>At 1034, the excavator expelled a cloud of white smoke, and then hydraulic oil dropped out of the bottom of the engine compartment. The machine was immediately shut off and personnel began containment. Within one minute of the spill, absorbent "snakes" contained the perimeter of the oil, and within two minutes, absorbent materials had been spread over the spill area. Additional absorbent materials were added over the next several minutes, and the area stayed under close monitoring. The unloaded haul trucks departed at 1105.</p> <p>Simon Radford arrived with a rental truck right after the spill occurred. After the spill was contained and the situation was stabilized, the remaining telescope items were loaded on the truck and he departed. The person from JCMT also picked up the UPS units at that time.</p> <p>The oil-absorbent mats and pillows were collected up and additional granular absorbent was spread over the spill area. After lunch, the demoed material in the dome was covered with plastic, and Unitek cleaned up the small amount of material that had fallen outside the dome. NW had identified the failed hydraulic line in the engine compartment and went to Hilo to get replacement parts. They arrived back at the site with the replacement parts, hydraulic oil, and more than enough absorbent materials to replenish the spill kits that had been used. By 1615, the repairs were complete, ten gallons of hydraulic oil were added to the reservoir, and the excavator hydraulics tested. The excavator was cleaned and the remaining used absorbent materials were cleaned up, and final site cleanup performed. All personnel had left the site by 1710.</p>

### WORK FORCE & EQUIPMENT

NAME	POS	HR	Company	EQUIPMENT	MODEL/TYPE	HR
Jon Steen		10	GBI	20' Container		
Bronson Sylva		10	GBI	Loader	CAT 950 GC	
Brandon Kepano		10	GBI	Excavator	Volvo EC300DL	
Keala Drummondo		10	GBI	High Reach Excavator	Volvo EC480E HR	
				Sunbelt rental manlift	JLG 660SJ	
Bruce Burley		10	NW Demo			
Anthony Ortiz		10	NW Demo			
Darren Whittaker		10	NW Demo			
Jeff Abella		8	Unitek			
Jone Abella		8	Unitek			
Jomhel Ebuén		8	Unitek			
Kama Kobayashi		8	Lehua Environmental			

Signed by: 

Reviewed by: Shawn Gardner

Date 4/30/2024





^ 10:04am - demo in progress



^ 10:34:05am - oil spilled from excavator



^ 10:34:44am - containment started



^ 10:35:46am - perimeter contained and materials being placed



^ 4:52pm - cleaning up last absorbent material



^ 5:10pm - site closed for the day





No. 1617

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 9pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 188 HEB Semi  
Cargo Description: empty dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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EMILSON



No. 1616

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 9pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 059 WDA trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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EMILSON





No. 1622

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED☐ REJECTEDDate and Time: 4/29/24 4pmInspector: James ParkerExpiration date and time: 5/3/24 4pmInspection location: De Luz WaimaDestination: CSD site summitFacility/Representative: Kevin BalogVehicle Lic & Owner: 303 HDV SemiConcerns identified: N/ACargo Description: empty dump trailerRemediation taken: N/ABait used? ☐ Yes ☒ NoRush inspection? ☐ Yes ☒ NoEscort Required? ☐ Yes ☒ No☐ EMERGENCY (no inspection)☐ NON-COMPLIANT (no inspection requested)

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No. 1621

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED☐ REJECTEDDate and Time: 4/29/24 4pmInspector: James ParkerExpiration date and time: 5/3/24 4pmInspection location: De Luz WaimaDestination: CSD site summitFacility/Representative: Kevin BalogVehicle Lic & Owner: 710 HYP trailerConcerns identified: N/ACargo Description: emptyRemediation taken: N/ABait used? ☐ Yes ☒ NoRush inspection? ☐ Yes ☒ NoEscort Required? ☐ Yes ☒ No☐ EMERGENCY (no inspection)☐ NON-COMPLIANT (no inspection requested)

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UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1624

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm Inspector: James Parker  
Expiration date and time: 5/3/24 4pm Inspection location: De Luz Wainea  
Destination: CSD site summit Facility/Representative: Kevin Balog  
Vehicle Lic & Owner: temp license PUC 5093-C Semi Concerns identified: N/A  
Cargo Description: empty dump trailer Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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Kona



UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1623

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm Inspector: James Parker  
Expiration date and time: 5/3/24 4pm Inspection location: De Luz Wainea  
Destination: CSD site summit Facility/Representative: Kevin Balog  
Vehicle Lic & Owner: 795 HYR trailer Concerns identified: N/A  
Cargo Description: empty Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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Kona





No. 1626

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 190 HEB Semi  
Cargo Description: dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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Kono



No. 1625

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 159 HXX trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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Kono



No. 1620

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSO site summit  
Vehicle Lic & Owner: 881 HEC semi  
Cargo Description: empty dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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No. 1619

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSO site summit  
Vehicle Lic & Owner: 921 H2L trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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## INDEPENDENT DECOMMISSIONING PROJECT MANAGER PROJECT DIARY

DATE : Wednesday, May 1, 2024

WEATHER: Suitable For All Planned Work

At CSO, high clouds, light wind. Temp at 8am 35F. Up to high 40s and variably cloudy in the afternoon.

PROJECT TITLE: **Caltech Submillimeter Observatory Decommissioning**

Work Hours:

Arrv: **0830**

Dep: **1600**

Report By: **Shawn Gardner**

Monitors on Site:	Cultural - Gerard Mahi
Work Items	Location & Description of Work/Activities
Demolition	<p>Upon arrival at the CSO site, it was found that some residual hydraulic oil from the engine compartment of the HR excavator had leaked onto the pavement. The oil was cleaned up and work started.</p> <p>NW continued demolition inside the dome until 0830, then started loading trucks with the demoed material. Four trucks arrived at the site this date (certs attached) and were loaded and departed the site by 1130.</p> <p>After lunch, NW demoed a portion of the hydraulic cylinder shaft on the south side so that the sheave block could be removed with the cylinder. Then, using the manlift, the cables were cut away from the sheave block. The bolts at the bottom end of the cylinder were removed, and half of them were reinstalled handtight to secure the cylinder until it is removed. NW made the decision to remove the cylinders on Thursday (5/2). Unitek did their site cleanup in the afternoon and were done by the time the cylinder was finished be prepped for removal at 1400.</p> <p>To mitigate the issue of residual oil leaking out of the HR excavator, ground sheets were laid on the pavement, and the excavator was parked on them. Absorbent "snakes" were installed to contain any oil that leaks overnight. The NW crew spent about an hour and a half continuing cleaning the excavator, and putting absorbent materials in the engine compartment. Following that, they did the final site cleanup. All personnel has left the site by 1610.</p>

### WORK FORCE & EQUIPMENT

NAME	POS	HR	Company	EQUIPMENT	MODEL/TYPE	HR
Jon Steen		8	GBI	20' Container		
Bronson Sylva		8	GBI	Loader	CAT 950 GC	
Brandon Kepano		8	GBI	Excavator	Volvo EC300DL	
Keala Drummondo		8	GBI	High Reach Excavator	Volvo EC480E HR	
Sam Peck		8	GBI	Sunbelt rental manlift	JLG 660SJ	
Bruce Burley		8	NW Demo			
Anthony Ortiz		8	NW Demo			
Darren Whittaker		8	NW Demo			
Jeff Abella		8	Unitek			
Jone Abella		8	Unitek			
Jomhel Ebuon		8	Unitek			
Nicole Garaganza		8	Lehua Environmental			

Signed by: 

Reviewed by: Shawn Gardner

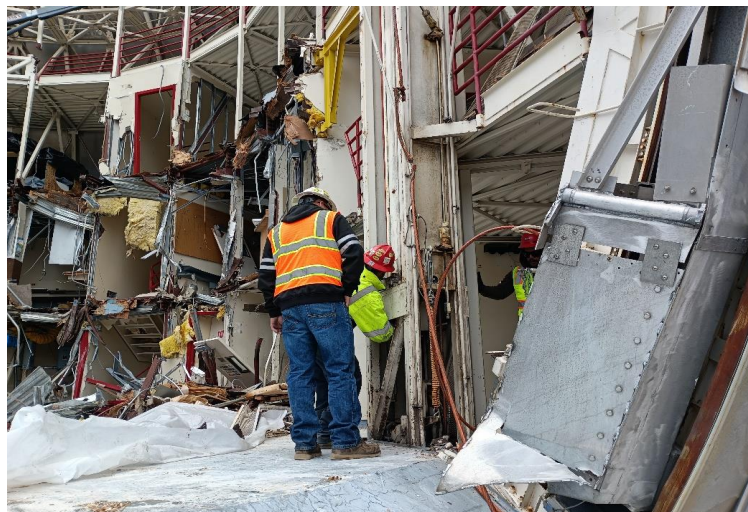
Date 5/1/2024



^ 8:29am - demo in progress



^ 11:17am - loading last truck



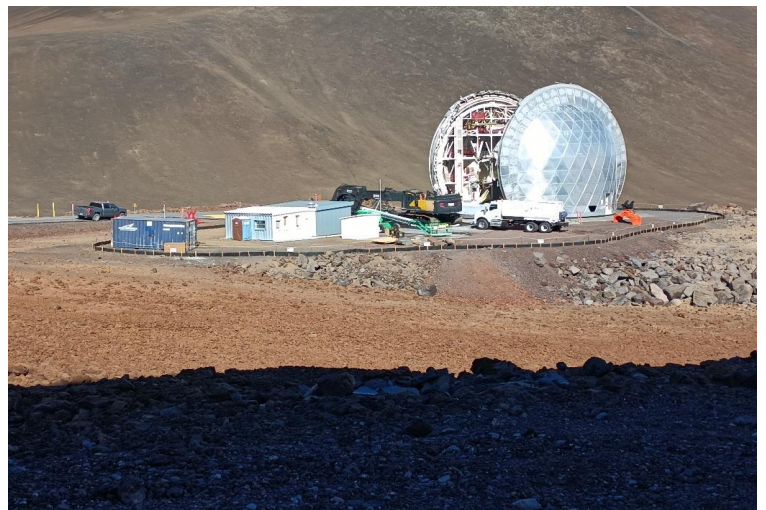
^ 1:15pm - removing bolts from bottom of cylinder



^ 2:10pm - shutter cylinder prepped for removal



^ 3:12pm - cleaning the excavator



^ 4:11pm - site closed for the day





No. 1622

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED☐ REJECTEDDate and Time: 4/29/24 4pmInspector: James ParkerExpiration date and time: 5/3/24 4pmInspection location: De Luz WaimaDestination: CSD site summitFacility/Representative: Kevin BalogVehicle Lic & Owner: 303 HDV SemiConcerns identified: N/ACargo Description: empty dump trailerRemediation taken: N/ABait used? ☐ Yes ☒ NoRush inspection? ☐ Yes ☒ NoEscort Required? ☐ Yes ☒ No☐ EMERGENCY (no inspection)☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

Drivers should keep this certificate in vehicle when making delivery.

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)



No. 1621

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED☐ REJECTEDDate and Time: 4/29/24 4pmInspector: James ParkerExpiration date and time: 5/3/24 4pmInspection location: De Luz WaimaDestination: CSD site summitFacility/Representative: Kevin BalogVehicle Lic & Owner: 710 HYP trailerConcerns identified: N/ACargo Description: emptyRemediation taken: N/ABait used? ☐ Yes ☒ NoRush inspection? ☐ Yes ☒ NoEscort Required? ☐ Yes ☒ No☐ EMERGENCY (no inspection)☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

Drivers should keep this certificate in vehicle when making delivery.

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)



UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1624

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm Inspector: James Parker  
Expiration date and time: 5/3/24 4pm Inspection location: De Luz Wainea  
Destination: CSD site summit Facility/Representative: Kevin Balog  
Vehicle Lic & Owner: temp license PUC 5093-L Semi Concerns identified: N/A  
Cargo Description: empty dump trailer Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kona



UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1623

### INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm Inspector: James Parker  
Expiration date and time: 5/3/24 4pm Inspection location: De Luz Wainea  
Destination: CSD site summit Facility/Representative: Kevin Balog  
Vehicle Lic & Owner: 795 HYR trailer Concerns identified: N/A  
Cargo Description: empty Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kona





No. 1626

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 190 HEB Semi  
Cargo Description: dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kono



No. 1625

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 159 HXX trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kono



No. 1620

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 881 HEC semi  
Cargo Description: empty dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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No. 1619

UNIVERSITY of HAWAII at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 4/29/24 4pm  
Expiration date and time: 5/3/24 4pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 921 HZL trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

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## INDEPENDENT DECOMMISSIONING PROJECT MANAGER PROJECT DIARY

DATE : Thursday, May 2, 2024

WEATHER: Suitable For All Planned Work  
At CSO, clear, light wind. Temp at 8am  
40F. Up to mid 50s and some high  
clouds in the afternoon.

PROJECT TITLE: **Caltech Submillimeter Observatory Decommissioning**

Work Hours:

Arrv: **0745**

Dep: **1500**

Report By: **Shawn Gardner**

Monitors on Site:	Cultural - Ron Mitchell
Work Items	Location & Description of Work/Activities
Demolition	<p>Personnel began arriving at the CSO site at 0745. Prep for shutter cylinder removal began with partial demo of the cylinder housing, removing enough material to allow the sheave out of the housing. Then the cables were cut and removed from the sheave, and the bolts were removed from the bottom of the cylinder. The cylinders were both removed from the structure without incident, wrapped in absorbent material and plastic, and staged for transport. No evidence of oil leakage was observed.</p> <p>After lunch, demolition resumed in the dome, using the grappler attachment. Later in the afternoon, Lehua Enviro personnel observed that a small leak had appeared in the grappler. The leak was fixed, but recurred at around 1400. NW decided to end work for the day and replace the grappler with the shears attachment. The dripping oil from the leak all occurred inside the dome. Site cleanup began and the equipment was parked, with the HR excavator again parked on groundsheets. All personnel had left the site by 1500.</p>

### WORK FORCE & EQUIPMENT

NAME	POS	HR	Company	EQUIPMENT	MODEL/TYPE	HR
Jon Steen		8	GBI	20' Container		
Bronson Sylva		8	GBI	Loader	CAT 950 GC	
Brandon Kepano		8	GBI	Excavator	Volvo EC300DL	
Keala Drummondo		8	GBI	High Reach Excavator	Volvo EC480E HR	
				Sunbelt rental manlift	JLG 660SJ	
Bruce Burley		8	NW Demo			
Anthony Ortiz		8	NW Demo			
Darren Whittaker		8	NW Demo			
Jeff Abella		8	Unitek			
Jone Abella		8	Unitek			
Jomhel Ebuon		8	Unitek			
Nicole Garaganza		8	Lehua Environmental			

Signed by: 

Reviewed by: Shawn Gardner

Date 5/2/2024



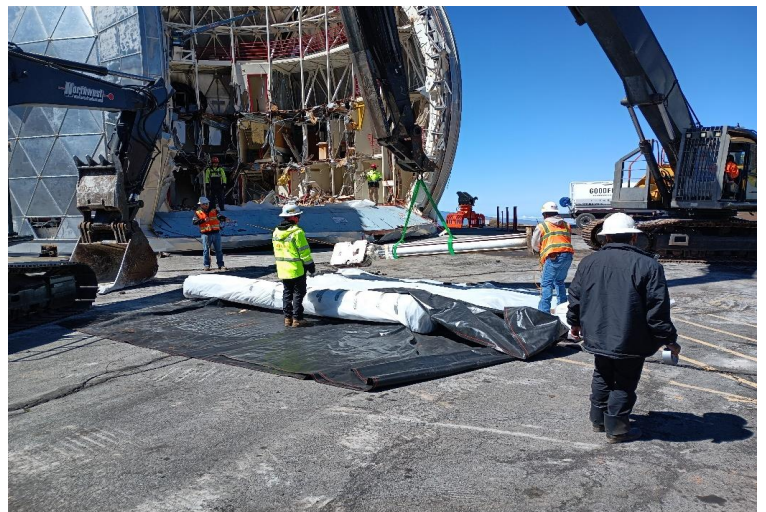
^ 8:25am - housing demo for cylinder removal



^ 8:56am - cutting cables from sheave



^ 9:39am - removing first cylinder



^ 10:06am - removing second cylinder, first is wrapped



^ 11:17pm - cylinders double wrapped, awaiting transport from site



^ 2:08pm - starting site cleanup





## INDEPENDENT DECOMMISSIONING PROJECT MANAGER PROJECT DIARY

DATE : Friday, May 3, 2024

WEATHER: Suitable For All Planned Work  
At CSO, clear, light wind. Temp at 8am  
40F. Up to high 40s afternoon.

PROJECT TITLE: **Caltech Submillimeter Observatory Decommissioning**

Work Hours:

Report By: **Shawn Gardner**

Arrv: **0745**

Dep: **1300**

Monitors on Site:	Cultural - Ron Mitchell
Work Items	Location & Description of Work/Activities
Demolition	Personnel began arriving at the CSO site at 0745. Continued demolition of the dome structure. Four trucks hauled away demoed material (insp certs attached). Last truck departed site by 1200. GBIs water truck sprayed for dust control as needed during the work. Site cleanup was performed, and plastic sheeting was spread over the demoed material remaining in the structure and secured. All personnel had left the site by 1245.

### WORK FORCE & EQUIPMENT

NAME	POS	HR	Company	EQUIPMENT	MODEL/TYPE	HR
Jon Steen		5	GBI	20' Container		
Bronson Sylva		5	GBI	Loader	CAT 950 GC	
Brandon Kepano		5	GBI	Excavator	Volvo EC300DL	
Keala Drummondo		5	GBI	High Reach Excavator	Volvo EC480E HR	
				Sunbelt rental manlift	JLG 660SJ	
				Water truck	Kenworth lic. 469TXU	
Bruce Burley		5	NW Demo			
Anthony Ortiz		5	NW Demo			
Darren Whittaker		5	NW Demo			
Jeff Abella		5	Unitek			
Jone Abella		5	Unitek			
Jomhel Ebuon		5	Unitek			
Nicole Garaganza		5	Lehua Environmental			

Signed by: 

Reviewed by: Shawn Gardner

Date 5/3/2024



^ 8:42am - resuming demolition



^ 9:22am - dust control water application



^ 9:34am - haul truck arriving at site



^ 10:58am - demolition progress



^ 12:10pm - cleanup in progress



^ 12:46pm - site closed for the day





UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1629

# INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:



APPROVED



REJECTED

Date and Time: 5/2/24 4:30pm

Inspector: James Parker

Expiration date and time: 5/6/24 4:30pm

Inspection location: De Luz Waima

Destination: CSO site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 881 HEC Semi

Concerns identified: N/A

Cargo Description: empty dump trailer

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Lava Tunnel



UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1628

# INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:



APPROVED



REJECTED

Date and Time: 5/2/24 4:30pm

Inspector: James Parker

Expiration date and time: 5/6/24 4:30

Inspection location: De Luz Waima

Destination: CSO site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 921 42L trailer

Concerns identified: N/A

Cargo Description: empty

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Lava Tunnel



No. 1627

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 5/2/24 4:30 pm  
Expiration date and time: 5/6/24 4:30 pm  
Destination: CSD site summit  
Vehicle Lic & Owner: temp license <sup>semi</sup> PUC 5093-C  
Cargo Description: empty dump trailer

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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Drivers should keep this certificate in vehicle when making delivery.

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)



No. 1630

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 5/2/24 4:30 pm  
Expiration date and time: 5/6/24 4:30 pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 795 HYR trailer  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Waimea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

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UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1633

# INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 5/12/24 4:30pm

Inspector: James Parker

Expiration date and time: 5/16/24 4:30pm

Inspection location: De Luz Waima

Destination: CSO site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 303 HDV Semi

Concerns identified: hydraulic line issue

Cargo Description: empty dump trailer

Remediation taken: tightened loose coupler

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

Drivers should keep this certificate in vehicle when making delivery.

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

*Jonny T...*



UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

No. 1634

# INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is:

☒ APPROVED

☐ REJECTED

Date and Time: 5/12/24 4:30pm

Inspector: James Parker

Expiration date and time: 5/16/24 4:30pm

Inspection location: De Luz Waima

Destination: CSO site summit

Facility/Representative: Kevin Balog

Vehicle Lic & Owner: 710 HYP trailer

Concerns identified: N/A

Cargo Description: empty

Remediation taken: N/A

Bait used? ☐ Yes ☒ No

Rush inspection? ☐ Yes ☒ No

Escort Required? ☐ Yes ☒ No

☐ EMERGENCY (no inspection)

☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

Drivers should keep this certificate in vehicle when making delivery.

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

*Jonny T...*



No. 1631

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 5/2/24 4:30pm  
Expiration date and time: 5/6/24 4:30pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 190 HEB Semi  
Cargo Description: empty dump trailer

Inspector: James Parker  
Inspection location: De Luz Wainea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kono Tuma



No. 1632

UNIVERSITY of HAWAII 'at HILO  
CENTER FOR MAUNAKEA  
STEWARDSHIP

## INVASIVE SPECIES INSPECTION CERTIFICATE

Delivery is: ☒ APPROVED ☐ REJECTED

Date and Time: 5/2/24 4:30pm  
Expiration date and time: 5/6/24 4:30pm  
Destination: CSD site summit  
Vehicle Lic & Owner: 159 HXX trailers  
Cargo Description: empty

Inspector: James Parker  
Inspection location: De Luz Wainea  
Facility/Representative: Kevin Balog  
Concerns identified: N/A  
Remediation taken: N/A

Bait used? ☐ Yes ☒ No Rush inspection? ☐ Yes ☒ No Escort Required? ☐ Yes ☒ No  
☐ EMERGENCY (no inspection) ☐ NON-COMPLIANT (no inspection requested)

This certificate is proof that the inspection is valid for the stated vehicle, cargo, destination, and time frame.

*Drivers should keep this certificate in vehicle when making delivery.*

For more information please visit: [www.malamamaunakea.org/inspections/](http://www.malamamaunakea.org/inspections/)

Kono Tuma