

# ANNUAL COMPLIANCE REPORT

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Makakilo Quarry, Ewa, Oahu, Hawaii

2020

## Appendix A

Table of Approved Plans.

(1 page)

Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

Table of Approved Plans

Permit, Condition No.	Name of Plan	Submitted (Report Year, Appendix)	Approved (Report Year, Appendix)	Comments (Report Year, Appendix)
SUP 1a	Site Plan (metes & bounds)	2012, app B	2013, app D	
SUP 1b	Fire Protection & Control Plan	2010, app D	2010, app D	2012, app G (firebreaks)
SUP 2	Renaturalization Plan	2014, App J	2015, App C	See 2018 app F for history and update
SUP 4	Landscape Plan (Parcel 4)	2013, App T	2014, app C	
SUP 8	Drainage Plan	Planning Commission Record, Exh 21		See 2017 app J for March 2008 Engineering Report
SUP 10	Beneficial Re-use Plan	2014, app L	2015, app C	See 2018 app I for history and update
CUP 2	Final Grading Plan (Grading Closure Plan)	2009, app J	2010, app A	
CUP 3	Beneficial Re-use Plan	2014, app L	2015, app C	See 2018 app I for history and update
CUP 4a	Site Plan (LUO)	2012, app B		Request to update 2016, app B; Request to update 2017 app B, see 2018 app B, see 2019 app B
CUP 4b	Water Source & Distribution Plan	2011, app G		
CUP 4c	Outdoor Lighting Plan	2013, app D 2013, app G		2014, app D

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## Appendix B

Site Plan.

(1 page)





	STATUS	DESCRIPTION	FLOOR AREA (FT²)	LOT COVERAGE (FT²)	BLDG. PERMIT #
MS1	EXISTING	MONITORING STATION	0	159	N/A
MS2	EXISTING	MONITORING STATION	0	268	N/A
MS3	EXISTING	MONITORING STATION	0	268	N/A
MS4	EXISTING	MONITORING STATION	0	258	N/A
MS5	EXISTING	MONITORING STATION	0	177	N/A
OT1	EXISTING	OFFICE TRAILER	675	675	PENDING
OT2	EXISTING	OFFICE TRAILER	429	429	PENDING
OT3	EXISTING	OFFICE TRAILER	0	0	N/A
C1a	EXISTING	CONTAINER	194	194	N/A
C1b	EXISTING	CONTAINER	223	223	N/A
C2	EXISTING	CONTAINER	558	558	N/A
C3	EXISTING	CONTAINER	317	317	N/A
WT1	EXISTING	WATER TANK	0	348	N/A
WT2a	EXISTING	WATER TANK	0	152	N/A
WT2b	EXISTING	WATER TANK	0	152	N/A
WT3	EXISTING	WATER TANK	0	124	N/A
WT4	EXISTING	WATER TANK	0	335	N/A
WT5	EXISTING	WATER TANK	0	262	N/A
WT6	EXISTING	WATER TANK	0	227	N/A
GS1	EXISTING	GUARD SHACK	84	84	2012/IBP01359
FT1	EXISTING	FUEL TANK	0	125	N/A
MC1	EXISTING	MAGAZINE CONTAINER	192	192	N/A
MC2	EXISTING	MAGAZINE CONTAINER	178	178	N/A
MC3	EXISTING	MAGAZINE CONTAINER	127	127	N/A
MC4	EXISTING	MAGAZINE CONTAINER	94	94	N/A
E1	EXISTING	EQUIPMENT	0	0	N/A
E2	EXISTING	EQUIPMENT	0	0	N/A
1	PROPOSED	MAINTENANCE SHED	4,790	5,600	N/A
2	EXISTING	A-ROCK FINISHING PLANT	0	42773	N/A
3	EXISTING	B-ROCK FINISHING PLANT AND RECYCLE PLANT	0	16411	698574

- OT4

| EXISTING | OFFICE TRAILER
- OT5

| EXISTING | OFFICE TRAILER
- OT6

| EXISTING | OFFICE TRAILER



Updated by Grace Pacific 12/23/2020



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## Appendix C

Correspondence from State of Hawaii Clean Air Branch  
dated November 20, 2020.

(3 pages)



**From:** [Cab General](#)  
**To:** [Margaret D'Entremont](#); [Ho, Ronald Kim](#)  
**Cc:** [Jodie Cordero](#)  
**Subject:** RE: CAB Request to Access a Gov't Record for Grace Pacific LLC CSP NO. 0045-01 C/CT  
**Date:** Friday, November 20, 2020 9:48:54 AM

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Good morning,

There were no complaints received regarding Makakilo Quarry from 10/1/2019 to 09/30/20.

*Lisa Young*  
*Clean Air Branch*  
*808-586-4200*

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**From:** Margaret D'Entremont <mdentremont@gracepacific.com>  
**Sent:** Friday, November 20, 2020 8:31 AM  
**To:** Cab General <Cab.General@doh.hawaii.gov>; Ho, Ronald Kim <ronald.ho@doh.hawaii.gov>  
**Cc:** Jodie Cordero <jcordero@gracepacific.com>  
**Subject:** [EXTERNAL] CAB Request to Access a Gov't Record for Grace Pacific LLC CSP NO. 0045-01 C/CT

Good Morning,

Attached is a request to access any air quality complaints made against Makakilo Quarry from 10/01/19 to 09/30/20. Please provide any available complaint reports. If no complaints were made, please send an email confirming this.

Your assistance is greatly appreciated. We have a report due to the State of Hawaii and need this information to complete it.

Thank you,

*Margaret D'Entremont*

Grace Pacific LLC  
Makakilo Quarry  
(808) 693-7104 Desk  
(808) 306-7998 Cell  
(808) 674-6590 Sales Hotline



P.O. Box 78  
Honolulu, HI 96810

This message, including any attachments, is intended for the use of the party to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure. If you are not the intended recipient, any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please contact the sender immediately by reply e-mail, and delete the original and any copies of this message. It is the sole responsibility of the recipient to ensure that this message and any attachments are virus free.



# REQUEST TO ACCESS A GOVERNMENT RECORD

**DATE:** 11/20/2020

**TO:** State of Hawaii Clean Air Branch

**FROM:** Grace Pacific LLC Makakilo Quarry

**Name or Alias**  
Margaret D'Entremont (808) 693-7104 Desk / (808) 306-7998 Cell

**Contact Information**  
RE: Complaints filed against CSP No. 0045-01 C/CT

Although you are not required to provide any personal information, you should provide enough information to allow the agency to contact you about this request. The processing of this request may be stopped if the agency is unable to contact you. Therefore, please provide any information that will allow the agency to contact you (name or alias, telephone or fax number, mailing address, e-mail address, etc.).

## **I WOULD LIKE THE FOLLOWING GOVERNMENT RECORD:**

Describe the government record as specifically as possible so that it can be located. Try to provide a record name, subject matter, date, location, purpose, or names of persons to whom the record refers, or other information that could help the agency identify the record. A complete and accurate description of the government record you request will prevent delays in locating the record. Attach a second page if needed.

Air quality complaints filed between 10/01/19 to 09/01/2020 against Grace Pacific LLC, Makakilo Quarry  
CSP No. 0045-01-C/CT. Please forward report to:

Margaret D'Entremont  
mdentremont@gracepacific.com

Thank you!  
Margaret  
(808) 306-7998

## **I WOULD LIKE:** (please check one or more of the options below)

- ☐ **To inspect the government record.**
- ☒ **A copy of the government record:** (Please check one of the options below.) See the back of this page for information about fees that you may be required to pay for agency services to process your record request. Note: Copying and transmission charges may also apply to certain options.
- ☐ Pick up at agency (**date and time**): \_\_\_\_\_
- ☐ Mail
- ☐ Fax (toll free and only if available)
- ☒ Other, if available (please specify): Email : mdentremont@gracepacific.com
- ☐ If the agency maintains the records in a form other than paper, please advise in which format you would prefer to have the record.
- ☐ Electronic ☐ Audio ☐ Other (please specify): \_\_\_\_\_
- ☐ Check this box if you are attaching a request for waiver of fees in the public interest (see waiver information on back).

**SEE BACK FOR IMPORTANT INFORMATION**



## **FEES FOR PROCESSING RECORD REQUESTS**

You may be charged fees for the services that the agency must perform when processing your record request, including fees for making photocopies and other lawful fees. **The first \$30 of fees charged for searching for a record, reviewing, and segregating will not be charged to you. Any amount over \$30 will be charged to you.** Fees are as follows:

Search for a Record	\$2.50 for 15 minutes
Review and Segregation of a Record	\$5.00 for 15 minutes

## **WAIVER OF FEES IN THE PUBLIC INTEREST**

Up to \$60 of fees for searching for, segregating and reviewing records may be waived when the waiver would serve the public interest as described in section 2-71-32, Hawaii Administrative Rules. If you wish to apply for a waiver of fees in the public interest, you must attach to this request a statement of facts, including your identity as the requester, to show how the waiver of fees would serve the public interest. The criteria for this waiver, found at section 2-71-32, Hawaii Administrative Rules, are:

- (1) The requested record pertains to the operations or activities of an agency;
- (2) The record is not readily available in the public domain; and
- (3) The requester has the primary intention and the actual ability to widely disseminate information from the government record to the public at large.

## **AGENCY RESPONSE TO YOUR REQUEST FOR ACCESS**

The agency to which you addressed your request must respond within a set time period. The agency will normally respond to you within 10 business days from the date it receives your request; however, in *extenuating circumstances* the agency must respond within 20 business days from the date of your request. If you have questions about the response time, you may contact the agency's UIPA contact person. If you are not satisfied with the agency's response, you may call the Office of Information Practices at 808-586-1400.

## **REQUESTER'S RESPONSIBILITIES**

You have certain responsibilities under §2-71-16, Hawaii Administrative Rules. You may obtain a copy of these rules from the Lieutenant Governor's Office or from the Office of Information Practices. These responsibilities include making arrangements to inspect and copy records, providing further clarification or description of the requested record as instructed by the agency's notice, and making a prepayment of fees, if assessed.



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Makakilo Quarry, Ewa, Oahu, Hawaii

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## Appendix D

Makakilo Quarry Hotline Phone Log October 1, 2019  
through September 30, 2020.

(2 pages)



Grace Pacific Makakilo Quarry						
Community Hotline, Complaints, and Inquiries Log (Redacted)						
October 1, 2019 to September 30, 2020						
No.	Date	Communication Method	Complainant	Message / Description of Call	Investigation / Responsible Party	Investigation / Action Plan
1	5/4/2020	Phone Call	Resident A (Kahiwelo)	Kahiwelo Resident A called to complain about a water truck that had been parked in the same spot for over three weeks. It was visible from the resident's home. They asked that we move it so they wouldn't have to see it any longer.	Quarry Manager/Admin	Quarry personnel moved the water truck out of sight from Kahiwelo Resident A.
2	6/25/2020	Phone Call	Resident B (Makakilo Hale 2)	Makakilo Hale 2 Resident B called to complain of billowing dust and inquired about our dust suppression practices. Resident stated they called first on July 11, 2020 and left a message. There was no message left on our hotline, sales hotline or my desk phone. GP Safety Dept was to call the resident. We received a third complaint call 07/13/2020 stating no one had contacted the concerned resident. GP Safety Dept did reach out the resident and advised them of our dust suppression practices etc. Resident asked that we control the dust better on windy days.	GP Safety Department	Quarry personnel reminded of dust control protocol.



No.	Date	Communication Method	Complainant	Message / Description of Call	Investigation / Responsible Party	Investigation / Action Plan
3	8/28/2020	Phone Call	Resident C (Pueonani St)	Pueonani St Resident C called in a blasting damage complaint to Peterson Sign Co. We received notice via email and a GP Safety Dept representative responded. Resident C claimed the blast on 08/28/2020 caused her floor tile to crack / break. GP Safety Dept investigated and forwarded pictures of damage and seismic blast data to the GP insurance carrier King & Neel. A damage claim was filed on behalf of Resident C.	GP Safety Department / Insurance Carrier King & Neel	Damage claim was denied.
4	9/24/2020	Phone Call	Resident D (Makakilo Right Above Quarry)	Makakilo Resident C called requesting information regarding our blasting procedures. Resident is a land owner that plans on building homes on property that is adjacent to the Quarry. Resident's contractor is requesting our seismic activity records.	Quarry Manager/ GP VP, GP President, A&B Legal Team	Quarry manager phoned resident. He forwarded the request to GP VP and GP President. They forwarded the request to our A&B legal team. No resolution as of 11/24/2020.



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## Appendix E

Index of attached DVDs;

1. DVD – Electronic Copy of 2020 Annual Report and Appendices A - J;
2. DVD – Aerial Photos and Topographic Map dated January 10, 2021



Copies of Aerial Photos and Topographic Map follow this cover sheet.

(5 pages)











## Makakilo Quarry Annual Compliance Report 2020 DVD Contents

### 2020 MQACR DVD1 contains:

Name	Date modified	Type	Size
 MQACR_AppendicesA-J_2020	2/4/2021 1:49 PM	Adobe Acrobat Document	16,892 KB
 MQACR_Report_2020	2/4/2021 2:08 PM	Adobe Acrobat Document	262 KB

### 2020 MQACR DVD2 contains:

#### MQ Aerial Photos and Topographic Map

Name	Date modified	Type	Size
 Makakilo_Upper_OrthoplotFile_50percent	1/26/2021 5:09 PM	Adobe Acrobat Document	61,690 KB
 Makakilo_Upper_OrthoplotFile_10percent	1/26/2021 7:34 AM	Adobe Acrobat Document	3,566 KB
 Makakilo_Quarry_Topo2020imagepdf	2/4/2021 12:53 PM	Adobe Acrobat Document	2,726 KB
 Makakilo_Quarry_Topo2020	1/26/2021 5:09 PM	Adobe Acrobat Document	11,116 KB
 Makakilo_Overall_OrthoplotFile_50percent	1/26/2021 5:09 PM	Adobe Acrobat Document	64,300 KB
 Makakilo_Overall_OrthoplotFile_10percent	1/26/2021 7:34 AM	Adobe Acrobat Document	2,900 KB
 Makakilo_Lower_OrthoplotFile_50percent	1/26/2021 5:08 PM	Adobe Acrobat Document	27,283 KB
 Makakilo_Lower_OrthoplotFile_10percent	1/26/2021 7:33 AM	Adobe Acrobat Document	1,656 KB



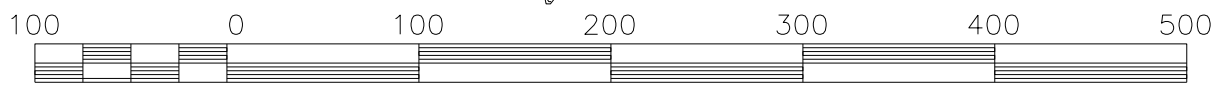






Grace Pacific, LLC  
949 Kamokila Blvd.  
Suite 200  
Honolulu, HI 96810

MAKAKILO QUARRY UPPER



SCALE AS SHOWN

Orthophoto Resolution: 0.5' per pixel  
Date of Photography: 1-10-21

The image shown here has been prepared using methods proven to meet National Map Accuracy Standards for 1"=200' scale mapping and .5' pixel. The image data was prepared using industry standard software and techniques.

Basis for Horizontal Control:  
Coordinates are based on a Local Coordinate System.  
Unit of Measure: U.S. Survey Foot



Miller Creek  
ASSOCIATES

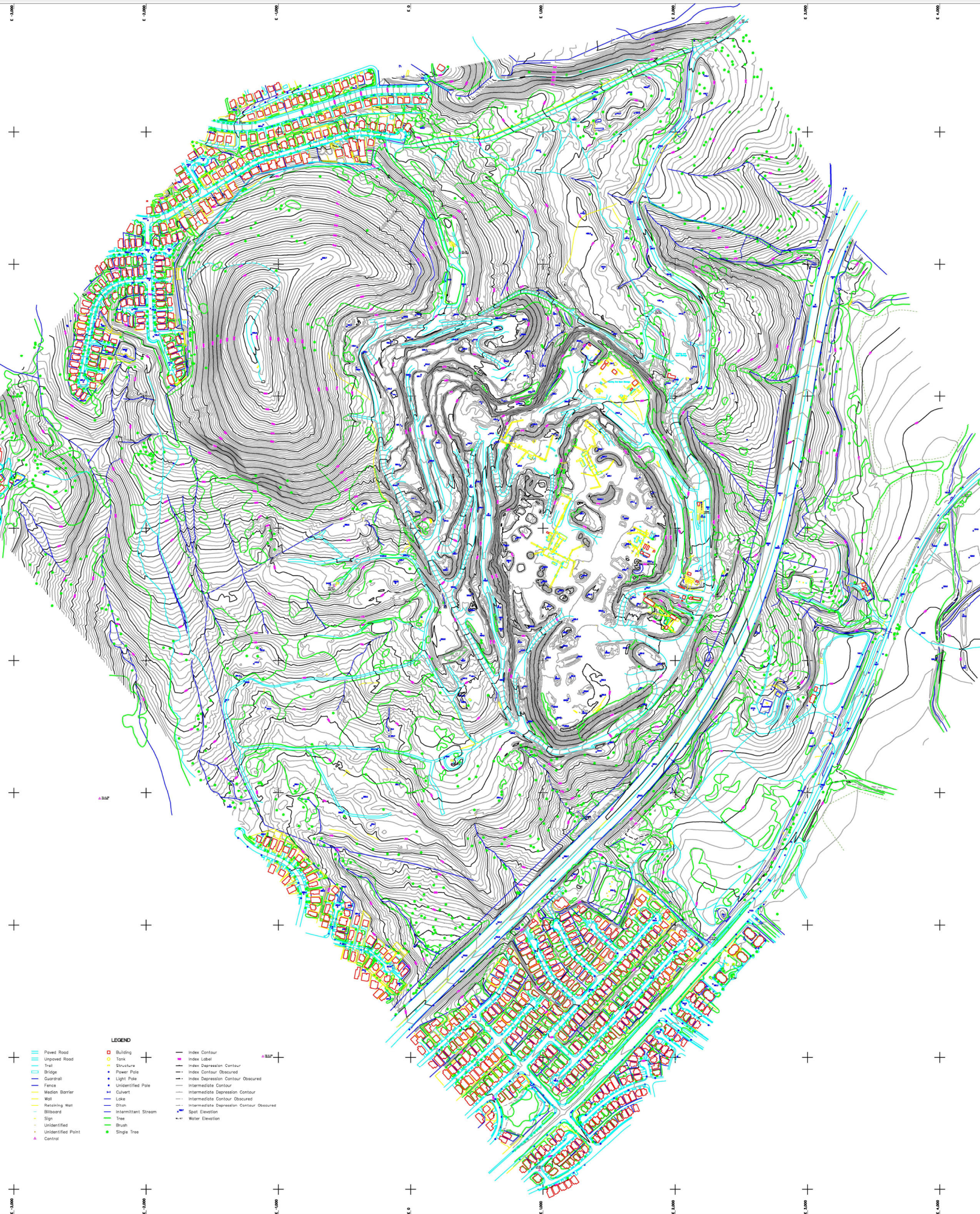
JOB# 20-0806

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## Appendix F

Renaturalization History and Status Report.  
(SUP Condition #2)

(2 pages)



Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

Renaturalization Plan History and Update

2009-2011. A Renaturalization Plan (RP) was submitted by Belt Collins on November 6, 2009 for review and approval. (Appendix C to the 2009 Report). Modifications to the Renaturalization Plan were requested by DPP in a letter to Belt Collins dated August 24, 2010 (Appendix A to the 2010 Report). On March 28, 2011, Belt Collins wrote to DPP requesting a meeting with DPP to discuss the extent of the physical area that DPP wishes to include in the revised RP (Appendix C to the 2011 Report).

2012. In a letter dated February 2, 2012 (Appendix G to the 2012 Report) DPP identified the areas of concern and agreed on a two year trial period beginning January 2012 for an approach utilizing the broadcasting of seeds and reliance on natural rainfall. See also comments on SUP Condition No. 9.b in this Report.

2013. In a letter dated February 19, 2013 (Appendix D to the 2013 Report) DPP requested a status update of implementation of the two year trial. Grace Pacific responded on April 30, 2013 (Appendix G to the 2013 Report) with an aerial photo identifying the plot locations, plant propagation and the initial plantings (Attachments B, C and D respectively to the April 30<sup>th</sup> letter). Also attached to the 2013 Report as Appendix Q were September 2013 photos of the test plots.

2014. In an email dated December 20, 2013 (appendix A to the 2014 Report), DPP asked about earthwork outside of the approved excavation area. Grace Pacific responded on January 13, 2014 (Appendix B to this report) that area 1 was within the approved landscape grading area, and that area 2 reflected the placement of topsoil at former golf water features 9 and 10.

On May 5, 2014, DPP (Appendix C to the 2014 Report) wrote to Grace Pacific with guidance for revising the Renaturalization Plan and a request to have the revised plan submitted by June 1st. Grace Pacific, working with Belt Collins Hawaii, submitted a revised Renaturalization Plan on May 30, 2014 (Appendix J to the 2014 Report).

2015. In a letter dated August 27, 2015 (appendix C to this report) DPP approved the May 30, 2014 Renaturalization Plan and requested status reports in subsequent annual reports.

As of November 2015, the irrigation piping previously used to renaturalize the Lower Quarry site (Parcel 4) has been laid out on former golf Hole 9 and portions of former golf Hole 8 (sheets L-2.03, L-2.02 of the Renaturalization Plan, Appendix J of the 2014 report). See Appendix I to the 2015 report for photos of piping layout.

2016. Renaturalization of the area around former golf Hole 9 was completed in four phases during 2016. Photos of the grass in this area are provided in Appendix J to the 2016

Report. Additionally, grass was planted in three other areas, as shown in Appendix I of this report, in order to better control dust and improve the visual aesthetic of the site. The plantings were a mix of buffell grass, rye, and bermuda.

The areas around former golf Hole 8 and the former driving range are scheduled for renaturalization in 2017. This will complete the May 30, 2014 Phase I Renaturalization Plan (Appendix J to the 2014 Report). Subsequently, Grace Pacific will prepare and submit the Phase II Renaturalization Plan.

2017. No new renaturalization projects were undertaken in 2017.

2018. No new renaturalization projects were undertaken in the current reporting period.

2019. No new renaturalization projects were undertaken in the current reporting period.

2020. No new renaturalization projects were undertaken in the current reporting period. It was discovered that golf Hole 8 was renaturalized in 2016, only the driving range remains to be scheduled. Renaturalization of the driving range may be placed on hold as Grace Pacific Quarry plans are being re-evaluated which affects that area. Grace Pacific is seeking assistance to complete the Phase II Renaturalization Plan.



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Makakilo Quarry, Ewa, Oahu, Hawaii

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## Appendix G

VRP History and Status Report for Lower Quarry.  
(SUP Condition #4)

(3 pages)

Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

Lower Quarry (Parcel 4) Voluntary Response Program (VRP) History and Update

2012. Based upon DPP's December 27, 2011 request (Appendix D to the 2012 Report) to be kept apprised of the Voluntary Response Plan (VRP) for the environmental remediation of the Lower Quarry site, Grace Pacific attached to the 2012 Report as Appendices N, O and P respectively, the VRP Agreement between Grace Pacific and the State of Hawaii Department of Health (DOH) dated October 2011; an Amendment to the VRP Agreement dated September 20, 2012 amending the scope of the work; and the Schedule of Work dated October 8, 2012, prepared in accordance with Exhibit B, Attachment 1 of the VRP Agreement .

2014. Grace Pacific met with the SLUC staff on May 14<sup>th</sup> to discuss the VRP and the impact of the VRP on the November 6, 2014 deadline to return the Lower Quarry (Parcel 4) to landscaped open space. Grace Pacific decided to give priority to meeting the November 6<sup>th</sup> landscaped open space deadline. Grace discussed this change in priorities with the DOH, and agreed to address the DOH's concerns by documenting where soil was moved to within the Lower Quarry site and revising the site characterization work plan to reflect the changes in the site conditions. In a letter dated May 30, 2014, (Appendix F to the 2014 Report), Grace notified DPP that it would begin landscaping as soon as possible to meet the November 6th deadline.

2015. A status report for the VRP, prepared by Environmental Science International, is attached to the 2015 Report as Appendix H.

2016. As previously noted, the site has been returned to landscaped open space as required by this condition. A status report for the VRP, prepared by Environmental Science International, is attached to the 2016 Report as Appendix H.

2017. A status report for the VRP, prepared by Environmental Science International, is attached to the 2017 Report as Appendix F.

2018. A status report for the Voluntary Response Program (VRP), prepared by Grace Pacific is provided below.

- The Site Characterization Report was submitted to DOH on June 15, 2018 for their review.
- ESI is currently conducting the Environmental Hazard Evaluation (EHE) which assesses potential hazards to human health and the environment posed by contamination at the Site. ESI is completing a leaching assessment which will be included in the EHE they are preparing.

The next phases of work include the following:



- Revise the Site Characterization Report, based on DOH comments, if necessary.
- Complete the Leaching Assessment.
- Complete the EHE.
- Prepare the Remedial Alternative Analysis.

2019. A status report for the Voluntary Response Program (VRP), prepared by Grace Pacific is provided below.

- The Site Characterization Report was concurred with by the DOH in September 11, 2018. The recommendation was to proceed to the VRP Task 5 Environmental Hazard Evaluation (EHE).
- The EHE, inclusive of the Leaching Assessment, for the Grace Pacific Lower Makakilo Facility Voluntary Response Program dated July 18, 2019 was accepted by DOH on August 8, 2019. DOH requested for the Emergency Hazard Management Plan (EHMP) to be developed.
- The EHMP is in the process of being completed.
- Grace Pacific decided to terminate the VRP agreement since Grace Pacific's intent is to develop the parcel. Once the EHMP is accepted by DOH the agency will be able to terminate the VRP agreement with Grace Pacific.

The next phases of work include the following:

- Complete the EHMP and achieve DOH acceptance.
- Terminate the VRP agreement.

2020. The EHMP is in the process of being completed.



**Grace Pacific LLC**

A SUBSIDIARY OF ALEXANDER & BALDWIN, INC.

GP Roadway Solutions • GPRM Prestress • GLP Asphalt • Maui Paving

November 19, 2018

Mr. Raymond Young  
Department of Planning and Permitting, City and County of Honolulu  
Community Planning Branch  
650 South King Street, 7<sup>th</sup> Floor  
Honolulu, Hawaii 96813

**Subject: Special Use Permit (SUP) No. SP73-147/ Conditional Use Permit  
(CUP) No. 2007/CUP-91, Notification**

Dear Mr. Young:

Pursuant to our meeting of June 29, 2018, Grace Pacific LLC would like to provide notification of our plans to install a concrete plant at the Makakilo Upper Quarry in accordance with the subject permits. We greatly appreciate your support and clarification regarding this matter. We would also like to notify you that we officially changed our entity name to Grace Pacific LLC on August 19, 2013. Jodie Cordero and I were pleased to meet with you, Dina Wong and Franz Kraintz.

If you have any questions, please call me at 808-674-8383.

Sincerely,



Pike Riegert  
President

Copy to:

State of Hawaii Land Use Commission, Department of Business, Economic Development & Tourism



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Makakilo Quarry, Ewa, Oahu, Hawaii

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## Appendix H

UXO History and Status Report.  
(SUP Condition #6)

(2 pages)

Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

UXO History and Status Report for Open Space Buffer Area.

2012. On November 8, 2011, a brush fire occurred in the buffer zone to the south and west of the Upper Quarry pit. DPP notified Grace Pacific that the Honolulu Fire Department (HFD) discovered old military munitions (unexploded ordnance or UXO) in the area of the fire. (Appendix C to this Report). Grace Pacific contacted HFD to obtain the map of the location of the munitions (Appendix C to this Report). The UXO was removed by the US Army's 303<sup>rd</sup> Explosive Ordnance Battalion.

The US government is ultimately responsible for the disposition of munitions under the Military Munitions Rule, and that responsibility has been delegated to the US Army Corps of Engineers (USACE). The USACE did not have funding in FY 2013 to conduct a thorough evaluation of past military activities in the Makakilo area. Grace Pacific worked with the USACE and Senator Inouye's office to request "plus-up" funding for the USACE's Formerly Used Defense Sites (FUDS) Program. If appropriated, the plus-up funding would allow the USACE to initiate a thorough evaluation of past military activities and mitigate any potential safety hazards as appropriate.

2013. DPP in a letter dated February 19, 2013 (Appendix D to the 2013 Report), requested an update on progress of establishing fire break zones. Grace Pacific responded, in a letter dated April 30, 2013 (Appendix G to the 2013 report), that Grace was working with the Army Corps of Engineers and Senator Schatz's office to obtain funding for an investigation and cleanup. Grace had also posted warning signs on the property line fencing at the recommendation of the Army Corps.

2014. The Army Corps of Engineers has \$50 million in plus-up monies in the FY15 budget, however, it is difficult to get funding for new starts. On-going discussions continue with Army Corps of Engineers and Hawaii's Congressional Delegation for potential funding.

2015. In 2015, plus-up funding was received and used to conduct the Army Corps of Engineers research (via the ACOE's St. Louis office). The Army Corps still needs to determine eligibility and at this time the documents reviewed as to land leases or sub-leases are not conclusive. The St. Louis office is continuing their research and will put a report together for headquarters.

2016. Ongoing operations are in compliance with this condition. As of September 2016, the Army Corps of Engineers still has not determined eligibility for adding the site to the Formerly Used Defense Site (FUDS) program. They are continuing to search for historical leases or subleases.

2017. Randy Curtis, Chief of Research and Technical Services for the Environmental & Munitions Branch, Army Corps of Engineers, completed his work relating to the Findings and



Determination of Eligibility (FDE) and was routed internally for review and then submitted to the Division Commander.

2018. There has been no progress during this year.

2019. The Grace Pacific Makakilo Site was deemed eligible for the FUDS Program. The FUDS Project Manager requested project funds for FY 2020.

2020. The Grace Pacific Makakilo Site is within the FUDS Program. The FUDS Program completed a draft Preliminary Assessment. The Site warranted additional investigation of the Makalapa Gulch Range located between the Makakilo Quarry pit and the Kahiwelo subdivision. The draft Preliminary Assessment is in the process of being finalized.

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Makakilo Quarry, Ewa, Oahu, Hawaii

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## APPENDIX I

Beneficial Re-use Plan History and Status Report.  
(SUP Condition #10 and CUP Condition #3)

(2 pages)

Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

Beneficial Re-use Plan History and Update

2013. The initial 2013 Makakilo Quarry Beneficial Re-Use Plan was delivered as an enclosure with the 2013 Annual Report.

2014. In a letter dated May 5, 2014, (Appendix C to the 2014 Report) DPP commented on the Beneficial Re-use Plan (filed November 14, 2013 with DPP and the SLUC), and asked that alternative scenarios be considered and that a revised Re-use Plan be filed by November 6, 2014. Grace Pacific, working with consultant R.M. Towill, revised the Re-use Plan, and filed the Plan with DPP on October 28, 2014 (Appendix L to the 2014 Report).

2015. In a letter dated August 27, 2015, (Appendix C to the 2015 Report) DPP approved the revised Beneficial Re-use Plan. DPP posed questions as to the scope of the Plan and funding strategies. Grace Pacific responded to these in a letter dated September 30, 2015 (Appendix D to the 2015 report).

In the August 27<sup>th</sup> letter, DPP asked about the integration of the required public access (Condition #10 above) and the various re-use scenarios. Grace Pacific notes that there are two required accesses: 1) the “feasible circulation patterns in and around the site” (arising from LUO Section 5.520) and 2) the “public access... across the project in which safe pedestrian/bicycling passage can be established.” (such language being specific to this permit).

As to access 1), Figures 8 through 11 of the revised Re-use Plan show an orange arrow labelled “Site Access” approaching the pit from north. This access road will be used for each of the four Alternatives presented and will tie in to the future Makakilo Drive Extension. The Extension, in turn, will tie into the H-1 Freeway/Kualakai Parkway intersection.

As to access 2), it is important to note that pedestrian/bicycling passage, described as the “Suggested Public Access Road” in Figure 6, Zoning Map, on page 2-6 of the revised Re-use Plan, follows (approximately) the 700 foot elevation contour at the upper mauka boundary of the Landscape Grading Area of Figures 8-11, and is neither proximate nor relative to the beneficial re-uses depicted in Figures 8-11 of the revised Plan. The beneficial re-uses of Figures 8-11 take place on the quarry floor, at elevations ranging from 250 feet to 475 feet.

DPP also asked that the Quarry closure plan address contaminated soils, anticipating that, as with the Lower Quarry site, soils in and around the pit may require cleanup or containment. Grace Pacific adds the following new section 2.5.4 to the 2014 Revised Beneficial Re-use Plan. Future updates of the Plan will incorporate this new section.



#### **2.5.4 Environmental Assessment**

*Ongoing compliance with Federal and State environmental regulations, such as the implementation of Best Management Practices, is expected to minimize the potential for contaminated soils arising from quarry operations.*

*During the final closure process in 2032, the site will be assessed to determine possible hazards to human health and the environment. The scope of the assessment will depend on the nature of the anticipated use of the property after quarry closure (i.e., commercial/industrial, residential, etc.), but will likely include subsurface sampling of the soil and groundwater for contaminants of potential concern. The environmental assessment, and any remedial activities (if required) will conform to all applicable Federal, State, and Local requirements.*

2016. Grace Pacific is participating in DTS's planning activities related to the proposed extension of Makakilo Drive in order to ensure suitable egress for the required pedestrian/bicycle public access is incorporated in the design, as required by this SUP Condition.

2017. There was no correspondence or action taken on the Beneficial Re-use plan in the current reporting period.

2018. There is no update to the Beneficial Re-use plan in the current reporting period, therefore, the submitted and approved Beneficial Re-use plan dated October 27, 2014 will be in effect. Grace Pacific has included potential beneficial re-use ideas in the attached Summary of Intent. Grace Pacific also has a potential interest to extend quarry activities an additional 10 years beyond the year 2032.

2019. There was no correspondence or action taken on the Beneficial Re-use plan in the current reporting period.

2020. Grace Pacific has outlined a schedule for the next Beneficial Re-use plan update in 2023. Grace Pacific will also re-evaluate previous and current options in consideration of the planned urban areas that surround the Makakilo Quarry as requested by DPP.

# ANNUAL COMPLIANCE REPORT

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Makakilo Quarry, Ewa, Oahu, Hawaii

2020

## Appendix J

Sanitary Landfill Maintenance History and Status Report.  
(SUP Condition #16)

(1 page)

Grace Pacific LLC  
Makakilo Quarry 2020 Annual Compliance Report

Sanitary Landfill Maintenance History and Update.

2016. In 2016, Grace Pacific initiated the Former Palailai Landfill Cover Restoration Project in order to improve and repair the condition of the landfill cover. A description of the project was sent to the LUC and the DPP (Appendix A to the 2016 Report).

2017. The Former Palailai Landfill Cover Restoration Project is ongoing. Completion of the project is anticipated during the first half of 2018. Notification will be sent to the State Land Use Commission and the Department of Planning and Permitting upon completion.

2018. The Former Palailai Landfill Cover Restoration Project is ongoing. Completion of the onsite construction activities were completed in June 2018. Documentation of the Former Palailai Landfill Cover Restoration Project is anticipated to be complete in early 2019.

2019. The Former Palailai Landfill Cover Restoration Project Completion Report dated November 27, 2019 has been completed. Grace Pacific continued to maintain and monitor the Former Palailai Landfill.

2020. Grace Pacific continued to maintain and monitor the Former Palailai Landfill. The Former Palailai Landfill annual Monitoring and Maintenance Status Report, dated September 2020, was completed for calendar year 2019 as it is an annual occurrence. It summarizes the general landfill maintenance, gas and groundwater monitoring, grading and drainage monitoring.