

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2019

Appendix A

Table of Approved Plans.

(1 page)

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Grace Pacific LLC
Makakilo Quarry 2019 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
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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ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

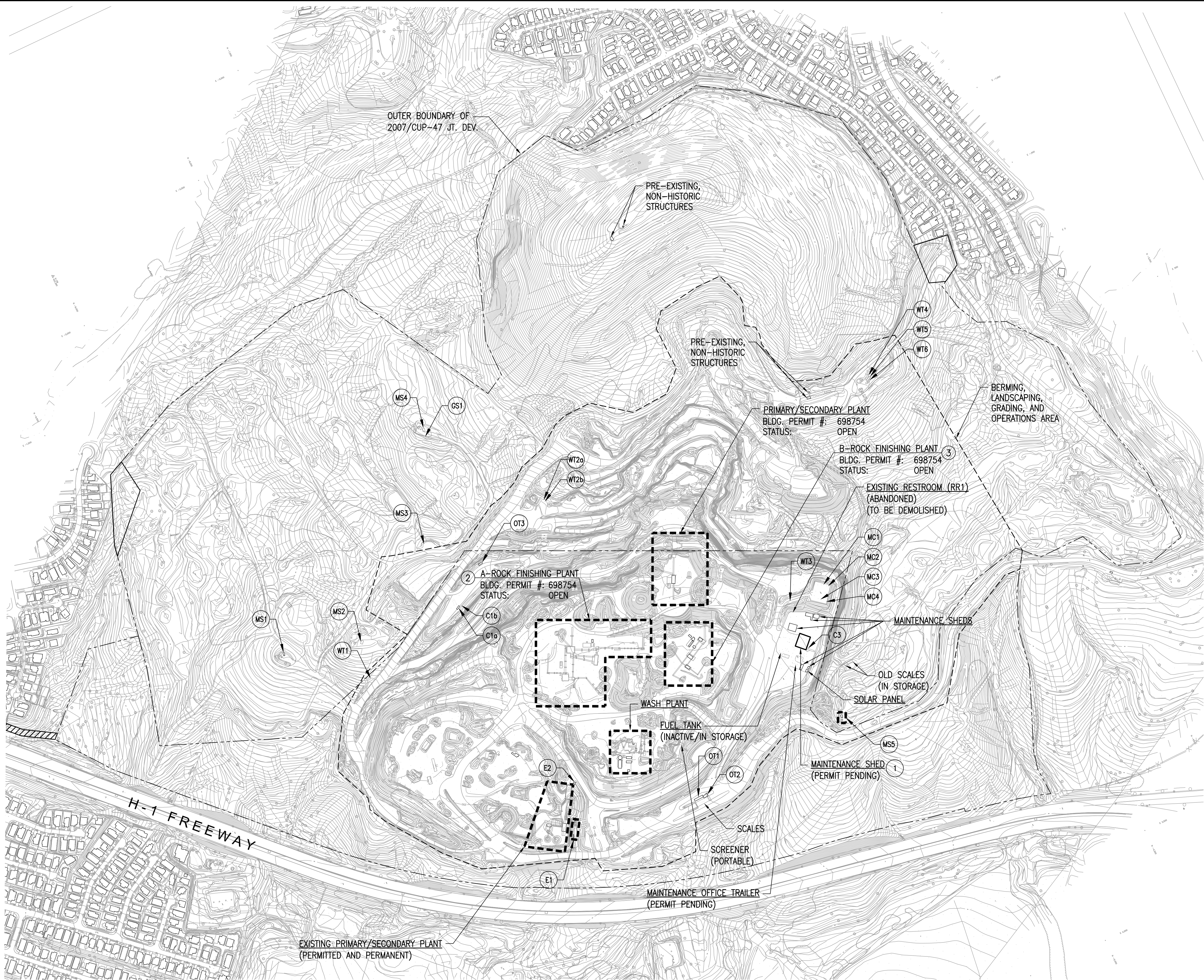
2019

Appendix B

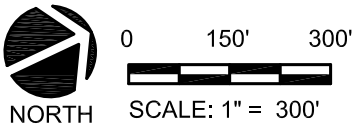
Site Plan.

(1 page)

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	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



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ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2019

Appendix C

Correspondence from State of Hawaii Clean Air Branch
dated December 5, 2019.

(5 pages)

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CLEAN AIR BRANCH COMPLAINT REPORT (HAR §11-60.1-33 DUST)

Complaint No.: OA-2019-2100

Investigated by: R Ho

Date of Investigation: 1/16/2019

Time in: 9:00am

Time out: 10:00am

Site Address/TMK: Grace Pacific Makakilo Quarry, 91-920 Farrington Highway

Weather Conditions (check all that apply)			
<input type="checkbox"/> Clear Sky (<10% clouds)	<input checked="" type="checkbox"/> Overcast (>90% clouds)	<input checked="" type="checkbox"/> Intermittent Wind	<input checked="" type="checkbox"/> No Rain
<input checked="" type="checkbox"/> Scattered Sky (10-50% clouds)	<input type="checkbox"/> No Wind	<input type="checkbox"/> Windy	<input type="checkbox"/> Slight Rain
<input type="checkbox"/> Broken Sky (50-90% clouds)	Wind direction NE		<input type="checkbox"/> Heavy Rain

Pre-investigation site conditions: Checked the quarry from an offsite observation point to see if they were creating any fugitive dust from the quarry operations. No fugitive dust could be seen.

☐ **Presented Credentials** ☐ **Permission granted to take photos**

Person Contacted: Margret Dentremont

Title: Quarry

Telephone: 693-7100

Respondent: Grace Pacific, LLC

Respondent Mailing Address: 949 Kamokila Blvd. Suite 200, Kapolei, Hi 96707

Respondent Email:

Respondent Telephone: 674-8383

Project description (start/end): Quarry operations

Complaint Type (check all that apply)			
<input type="checkbox"/> Construction	<input type="checkbox"/> Paint Overspray	<input type="checkbox"/> AGP No.:	<input type="checkbox"/> Other:
<input type="checkbox"/> Sandblasting	<input checked="" type="checkbox"/> Crushing/Screening	<input type="checkbox"/> NSP No.:	
<input type="checkbox"/> Demolition	<input type="checkbox"/> Ag. Operations	<input checked="" type="checkbox"/> CSP No.: 0045-01-C/CT	

☐ **Provided Copy of HAR §11-60.1-33**

☒ **Explained HAR §11-60.1-33**

HAR §11-60.1-33(a), Fugitive Dust, Precautions (check all that apply)				
<input type="checkbox"/> Garden Hose (~0.75" diameter)	<input checked="" type="checkbox"/> Water Truck	<input checked="" type="checkbox"/> Dust Barrier	<input type="checkbox"/> Vacuum	<input type="checkbox"/> None
<input type="checkbox"/> Fire Hose (1-2" diameter)	<input checked="" type="checkbox"/> Sprinkler/Mister	<input type="checkbox"/> Tarp(s)	<input checked="" type="checkbox"/> Other	

☒ **No Violation of HAR §11-60.1-33(a)**

☒ **No Violation of HAR §11-60.1-33(b)**

☐ **Violation of HAR §11-60.1-33**

<input type="checkbox"/> Other violation(s) of HAR §11-60.1			
<input type="checkbox"/> §11-60.1-32 (Visible Emissions)	<input type="checkbox"/> §11-60.1-52 (Open Burning)	<input type="checkbox"/> §11-60.1-62 (NSP)	<input type="checkbox"/> Other
<input type="checkbox"/> §11-60.1-34 (Motor Vehicle)	<input type="checkbox"/> §11-60.1-53 (AGP)	<input type="checkbox"/> §11-60.1-82 (CSP)	

Notes: Phoned and spoke to Ms. Dentremont of Grace Pacific to inform her of the complaint. She informed me that they have been taking measures to control the dust from the quarry and related equipment onsite. We

also spoke about the blasting onsite which causes the most dust from their facility, and the precautionary measures which are implemented during this activity. Ms. Dentremon informed me that they will inform their workers about the dust complaint to ensure they are aware and taking precautionary measures to control the fugitive dust.

☒ Informed Respondent of your findings

☒ Complainant can call Respondent

☐ Informed Complainant of your findings

Method (ex. phone, email, etc.): Phone

Time: 10:30am

☐ Referred for Enforcement Action

Date:

Error! Reference source not found.

Investigator Signature: Ron Ho Date Submitted: 1/29/19

REQUEST TO ACCESS A GOVERNMENT RECORD

DATE: 10/18/19

TO: State of Hawaii Clean Air Branch

FROM: Grace Pacific LLC Makakilo Quarry

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

Air Quality Complaints filed against CSP No. 0045-01 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 10-01-18 to 09-30-19 against Grace Pacific LLC Makakilo Quarry CSP No. 0045-01 CT

Please submit any findings to:

Margaret D'Entremont
Email : mdentremont@gracepacific.com

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

From: [Margaret D'Entremont](#)
To: [Jodie Cordero](#)
Cc: [Scott Komatsu](#)
Subject: FW: CAB Request to Access a Gov't Record for Grace Pacific LLC CSP No. 0045-01 CT
Date: Thursday, December 5, 2019 10:37:19 AM
Attachments: [OA-2019-2100 GP quarry fuqdst copy.pdf](#)

Hi Jodie,

Ron Ho from CAB just responded. His report is attached.

Thank you,

Margaret
306-7998

From: Ho, Ronald Kim <ronald.ho@doh.hawaii.gov>
Sent: Thursday, December 5, 2019 10:12 AM
To: Margaret D'Entremont <mdentremont@gracepacific.com>
Subject: RE: CAB Request to Access a Gov't Record for Grace Pacific LLC CSP No. 0045-01 CT

Hello Margaret,

Hope all is well and you're having a wonderful holiday season. The Clean Air Branch had only one complaint against the Makakilo Quarry for the time period you have specified. Attached is a copy of the complaint. If you have any questions, please do not hesitate to contact us. Thanks Margaret.

Ron Ho
Department of Health
Clean Air Branch
Ph. 808-586-4200

From: Margaret D'Entremont <mdentremont@gracepacific.com>
Sent: Tuesday, December 3, 2019 2:24 PM
To: Cab General <Cab.General@doh.hawaii.gov>
Cc: Jodie Cordero <jcordero@gracepacific.com>
Subject: FW: CAB Request to Access a Gov't Record for Grace Pacific LLC CSP No. 0045-01 CT

Good Afternoon,

Attached is a request to access any air quality complaints made against Makakilo Quarry from 10/01/18 to 09/30/19. 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

From: Margaret D'Entremont
Sent: Friday, October 18, 2019 11:23 AM
To: cab.general@DOH.hawaii.gov
Cc: Scott Komatsu <skomatsu@gracepacific.com>; Boyd Nobriga <bnobriga@gracepacific.com>;
Jodie Cordero <jcordero@gracepacific.com>
Subject: CAB Request to Access a Gov't Record for Grace Pacific LLC CSP No. 0045-01 CT

Aloha,

Attached is a request to access any air quality complaints made against Makakilo Quarry from 10/01/18 to 09/30/19.

Thank you,

Margaret D'Entremont
Grace Pacific LLC
Makakilo Quarry
(808) 693-7104 Direct
(808) 306-7998 Cell
(808) 693-7107 Fax

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Makakilo Quarry, Ewa, Oahu, Hawaii

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Appendix D

Makakilo Quarry Hotline Phone Log October 1, 2018
through September 30, 2019.

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Grace Pacific Makakilo Quarry						
Community Hotline, Complaints, and Inquiries Log						
October 1, 2018 to September 30, 2019						
No.	Date	Communication Method	Complainant	Message / Description of Call	Investigation / Responsible Party	Investigation / Action Plan
1	10/8/2018	Phone Call	CCHNL - Sidewalk Maint	CC HNL employee received a complaint regarding overgrown grass on our property across the Kapolei golf course.	Quarry Manager/Admin	Quarry personnel contacted CC HNL and confirmed that we would cut the grass right away.
2	11/7/2018	Phone Call	Resident A (Kahiwelo)	Kahiwelo Resident A called to complain of sand buildup on residents home. Resident was told of our dust control procedures. Resident was referred to Kahiwelo property mgmt company to file formal complaint with them. Property mgmt company will contact the Quarry directly.	Quarry Manager	Quarry personnel reminded of dust control protocol.
3	1/29/2019	Phone Call	Clean Air Branch	Makakilo Resident called in a dust complaint to CAB. Resident stated there was a constant stream of dust coming from the Quarry.	Quarry Manager/ CAB Agent	CAB investigated complaint. Inspector did not see excessive fugitive dust emissions.
4	7/12/2019	Phone Call	Resident B (Kahiwelo)	Kahiwelo Resident B called to complain of excessive dust. Resident was watching us dump material. Resident took videos and pictures. Resident was referred to Kahiwelo property mgmt company to file formal complaint with them. Property mgmt company will contact the Quarry directly.	Quarry Manager	Quarry personnel reminded of dust control protocol. Employees were asked to wet loads prior to relocation and dumping.

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Appendix E

Index of attached DVDs;

1. DVD – Electronic Copy of 2019 Annual Report and Appendices A - J;
2. DVD – Aerial Photos and Topographic Map dated November 28, 2019



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

(5 pages)

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Makakilo Quarry Annual Compliance Report 2019 DVD Contents

2019 MQACR DVD1 contains:

Name	Date modified	Type	Size
 MQACR_AppendicesA-J_20191227	12/26/2019 4:27 PM	Adobe Acrobat Document	9,004 KB
 MQACR_Report_20191227	12/26/2019 9:07 AM	Adobe Acrobat Document	269 KB

2019 MQACR DVD2 contains:

Folder: MQ Aerial Photos and Topographic Map

Name	Date modified	Type	Size
 MQ Area Topo Map 2019	12/4/2019 9:42 AM	Adobe Acrobat Document	3,854 KB
 MQ Area Topo Map 2019 low res	12/10/2019 9:53 AM	Adobe Acrobat Document	3,170 KB
 MQ Lower Aerial Image 2019	12/4/2019 9:43 AM	Adobe Acrobat Document	19,221 KB
 MQ Lower Aerial Image 2019 low res	12/4/2019 9:43 AM	Adobe Acrobat Document	19,221 KB
 MQ Overall Aerial Image 2019	12/4/2019 9:46 AM	Adobe Acrobat Document	87,519 KB
 MQ Overall Aerial Image 2019 low res	12/10/2019 9:54 AM	Adobe Acrobat Document	1,195 KB
 MQ Upper Aerial Image 2019	12/4/2019 9:48 AM	Adobe Acrobat Document	77,601 KB
 MQ Upper Aerial Image 2019 low res	12/10/2019 9:54 AM	Adobe Acrobat Document	706 KB

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SCALE 1"=600'

MAKAKILO QUARRY OVERALL AERIAL IMAGE

UPDATED DECEMBER 06, 2019
DATE OF AERIAL NOVEMBER 28, 2019



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CORPORATION**
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1907 South Beretania Street, Suite 400
Honolulu, Hawaii, U.S.A. 96826
www.wilsonokamoto.com
PH 808-946-2277 FX 808-946-2253

0 300 600 FT
SCALE: 1" = 600'

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SCALE 1"=300'



MAKAKILO QUARRY UPPER AERIAL IMAGE

UPDATED DECEMBER 06, 2019
DATE OF AERIAL NOVEMBER 28, 2019



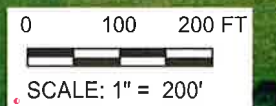
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0 150 300 FT
SCALE: 1" = 300'

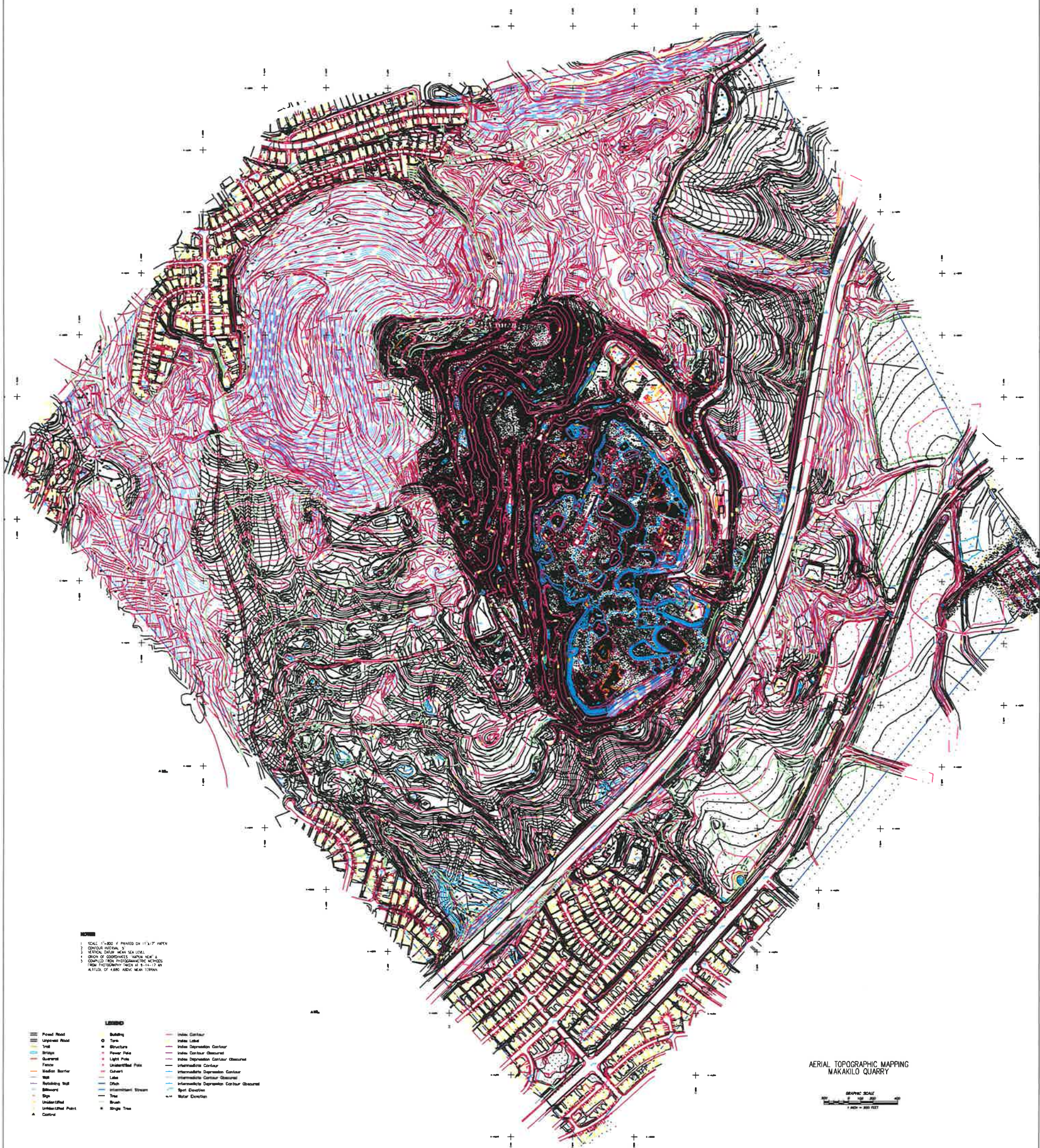
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MAKAKILO QUARRY LOWER AERIAL IMAGE
UPDATED DECEMBER 06, 2019
DATE OF AERIAL NOVEMBER 28, 2019



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NOTES:
1. SCALE: 1"=800' AS PRINTED ON 11"x17" PAPER
2. CONTOUR INTERVAL: 5'
3. VERTICAL CURVE: 100' MIN. V.C. L.C.
4. ORIGIN OF COORDINATES: HAWAII, HST 8
5. CONTOUR FROM PHOTOGRAPHIC METHOD
FROM PHOTOGRAPHY TAKEN AT 8-14-17 AN
ALTITUDE OF 4,800' ABOVE MEAN TIDE

- | | | |
|-------------------|-------------------|---------------------------------|
| ROADS | BUILDINGS | CONTOURS |
| — Paved Road | — Type | — Index Contour |
| — Unpaved Road | — Structure | — Index Contour Obscured |
| — Trail | — Power Pole | — Index Contour Obscured |
| — Bridge | — Light Pole | — Intermediate Contour |
| — Culvert | — Undersized Pole | — Intermediate Contour Obscured |
| — Fence | — Culvert | — Intermediate Contour Obscured |
| — Median Barrier | — Lake | — Intermediate Contour Obscured |
| — Wall | — Drain | — Intermediate Contour Obscured |
| — Retaining Wall | — Interim Stream | — Spot Elevation |
| — Billboard | — Tree | — Water Direction |
| — Sign | — Bush | |
| — Undersized Pole | — Single Tree | |
| — Control | | |

AERIAL TOPOGRAPHIC MAPPING
MAKAKILO QUARRY

GRAPHIC SCALE
1" = 800 FEET

MAKAKILO QUARRY TOPOGRAPHIC MAP

UPDATED DECEMBER 06, 2019
DATE OF AERIAL NOVEMBER 28, 2019



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0 400 800 FT
SCALE: 1" = 800'

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ANNUAL COMPLIANCE REPORT

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Appendix F

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

(2 pages)

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Grace Pacific LLC
Makakilo Quarry 2019 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 30th 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.

ANNUAL COMPLIANCE REPORT

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Appendix G

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

(2 pages)

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Grace Pacific LLC
Makakilo Quarry 2019 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 14th 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 6th 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.

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2019

Appendix H

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

(2 pages)

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Grace Pacific LLC
Makakilo Quarry 2019 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 303rd 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.

ANNUAL COMPLIANCE REPORT

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)

(4 pages)

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Grace Pacific LLC
Makakilo Quarry 2019 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 27th 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.

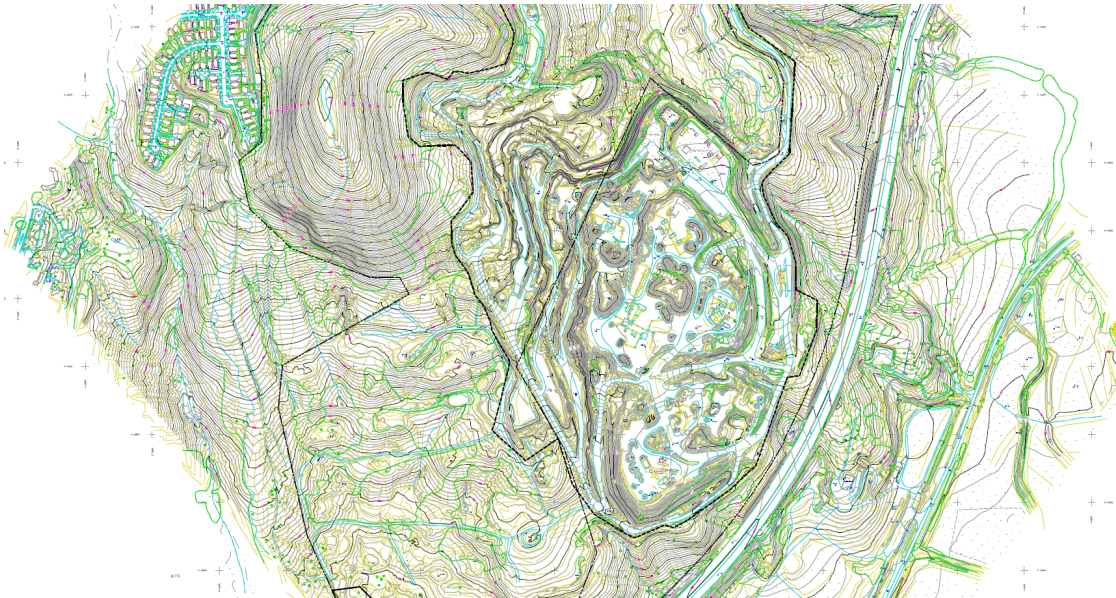
Summary of Intent

Land Use Plan for 2032

Master Plan – Makakilo Quarry

TMK: 1-9-2-003-082

SUP No. SP73-147/ CUP No. 2007/CUP-91





Grace Pacific LLC is currently using this site as an industrial quarry. We operate within the parameters provided in the SUP No. SP73-147/ CUP No. 2007/CUP-91. These permits allow us to continue quarry operations through the year 2032.

Upon the completion of these use permits, it is our intention to develop the land in various ways that also supports the needs, goals and community plans of the City & County of Honolulu and State of Hawaii. We would also like to collaborate these developments with the University of Hawaii for educational purposes.

The parcel is often referred to as the Upper and Lower Quarry sites. The Lower Quarry site exists makai of the H1 Highway and is adjacent to the Kapolei Knolls residential community as well as UH West Oahu. The Upper Quarry exists mauka of the H1 Highway and is adjacent to farm land as well as Makakilo residential communities.

Lower Quarry

It is our interest and intent to pull out the lower quarry area from the current CUP/SUP and begin the development of this parcel to accommodate the needs and desires of the community as well as Grace Pacific's needs. This includes addressing the complaints of the community.

Grace Pacific HQ

We intend to build out the Grace Pacific Headquarters on this parcel as part of a commercial multi-use facility.

Residential Towers

We intend to build residential housing towers, number, size and parameters to be determined and consistent with the community plans, guidelines and codes. These towers could support the University for students as well as faculty.

Retail Center

We intend to build a retail center anchored by a grocery store that can better support the area.

It is our desire to begin these developments as soon as possible with the goal of completing it by the end of 2023. This will require modifications to the existing permitting.

Upper Quarry

Upon the completion of our existing permitting in 2032, it is our interest and intent to develop the upper quarry into an affordable 1200 to 2000 housing unit sustainable community as well as an industrial commercial park. In addition to being net-zero and waste zero, the community will have 90-100 acres used for community farming, intended to support the schools and community. We want to develop a water catchment system as well as waste-water treatment plant that will re-route the gray water to the community farm. We are targeting the affordable sales/rental of these units for 25-50% AMI.

There will need to be significant infrastructure done, including roads, electricity, water, and schools.

In the interim, before 2032, we would like to address several aspects of our operations as well as our carbon foot print. We would like to add up to 2MW of a PV farm to accommodate our electric demand as well as install an incinerator/gasifier to burn the stockpiles of comingled RAP. The burning of the RAP will generate electricity as well as recycle the rock within the asphalt for reuse in our Hot Mix Asphalt. We also have an interest in returning concrete recycling/plant equipment to the Makakilo Quarry.

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

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Appendix J

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

(1 page)

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Grace Pacific LLC
Makakilo Quarry 2019 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.

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