



Central Valley Regional Water Quality Control Board

2 July 2020

Scott Magrini
Pacific Gas & Electric Company
3600 Meadowview Drive
Redding, CA 96002

ORDER AMENDING CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER; PACIFIC GAS & ELECTRIC COMPANY, GRACE LAKE DAM REPAIR PROJECT (5A45CR00574A1), SHASTA COUNTY

This Order responds to the 23 June 2020 request for an amendment of the Grace Lake Dam Repair Project (WDID No. 5A45CR00574). The original Water Quality Certification (Certification) was issued on 20 August 2019. The request for amendment is hereby approved. The original Certification is therefore amended as described below. Please attach this document to the original Certification.

AMENDMENT:

Pacific Gas & Electric Company is requesting an amendment to the Section 401 Water Quality Certification and Order to modify the project description and add 0.02 acre of permanent impact to stream channel. Pacific Gas and Electric Company will provide permittee-responsible compensatory mitigation for the authorized impact to the stream channel. Therefore, Section IV, Section VII, Table 2; Section VIII; Section XII.K; and Attachment B, Table 2 of the Water Quality Certification are amended in underline/strikeout format below.

IV. Project Description

Project work includes the following:

- Dredge portions of the lake to enable dewatering;
- Remove heavy aquatic vegetation along the inboard slopes of the embankment;
- Strip four to six inches of the inboard slope to expose and identify rodent burrow entrance holes. Excavate and backfill individual dens with engineered fill and restore the slope;
- Restore the design crest elevation;

KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

- Install galvanized wire mesh or chain-link fencing and armor embankment slope.
- [Remove sediment and vegetation from the Millseat Canal inlet into Lake Grace.](#)

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition.

Aquatic Resource Type	Temporary Impact ¹			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition		
	Acres	CY ²	LF ²	Acres	CY	LF	Acres	CY	LF
				0.6	1,584	1,688			
Stream Channel				0.02	40	100			

VIII. Compensatory Mitigation

To mitigate for the permanent impact to 0.6 acre of Grace Lake, the Project will restore the holding capacity of the original reservoir, in effect creating more waters of the U.S., and will increase lake habitat.

[The Permittee has agreed to provide compensatory mitigation for permanent impacts to 0.02 acre of stream channel.](#)

XII.K. Compensatory Mitigation for Permanent Impacts –~~Not Applicable~~

[The Permittee has agreed to provide permittee-responsible compensatory mitigation for permanent impacts to 0.02 acre of stream channel as described in section VII. The Permittee proposes to conduct invasive weed abatement around the switchyard near the Volta 1 Powerhouse that will encompass an area of approximately 0.04 acre. Two rounds of treatment for yellow star thistle will be applied in mid/late Spring of 2021.](#)

¹ Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

² Cubic Yards (CY); Linear Feet (LF)

Attachment B

Individual Direct Impact Locations

The following table shows individual impact locations.

Table 2: Individual Permanent Fill/Excavation Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
Grace Lake Dam	40.483669	-121.863875	No	0.6	1,584	1,688
<u>Millseat Canal</u>	<u>40.483669</u>	<u>-121.863875</u>	<u>No</u>	<u>0.02</u>	<u>40</u>	<u>100</u>

CENTRAL VALLEY WATER BOARD CONTACT:

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WATER QUALITY CERTIFICATION:

I hereby issue an Order amending the existing Clean Water Act, Section 401 Water Quality Certification and Order for Pacific Gas & Electric Company, Grace Lake Dam Repair Project (WDID No. 5A45CR00574A1). All other conditions and provisions of the original Water Quality Certification and any previously approved amendments remain in full force and effect, except as modified based on the conditions of this Order. Failure to comply with the terms and conditions of the original Water Quality Certification, previously approved amendments, or of this Order may result in suspension or revocation of the Water Quality Certification.

Original Signed by Clint Snyder (AEO) for
PATRICK PULUPA, Executive Officer
Central Valley Regional Water Quality Control Board

7/3/2020
Date

LC: db

cc

via email: Sam Ziegler, United States Environmental Protection Agency, San Francisco
Water Quality Certification Program, SWRCB, Sacramento
U.S. Army Corps of Engineers, Redding
California Department of Fish and Wildlife, Region 1, Redding