## **Work Variance Request Form**

Groundwater Remedy Phase 1 Construction, PG&E Topock Compressor Station, Needles, California

PG&E TOPOCK GROUNDWATER REMEDIATION PROJECT	
Work Variance Request – MW-20 Bench Brine Tanks Containment Upgrade for Use by Remedy	
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Request Prepared By: PG&E	Request Approval From: DTSC and DOI
Date Submitted: 6/11/18	Date Approval Required: July 2018
Variance Request No.: 1	Map Area: N/A
Location: MW-20 Bench	
Landowner/Land Manager: BOR/BLM	Landowner Parcel Number: 650-151-05
Current Vegetative Cover/Land Use:	None/Operation and maintenance of IM3 brine storage and loading facility
Existing Sensitive Resource? X No	Yes Specify:
Variance From: Mitigation I	Measure Work Plan/Procedure Response to Comments
X Drawing	Permit Condition Other
Detailed Description of Variance and Justification (Attach additional information if necessary):	
Attachments: Photo X Construction Drawing Aerial Photo Mark-Up Correspondence Other	
Potential Impacts of Variance:	
X Air Quality (During Construction)	Hazardous Materials Aesthetic
Biological Resources	X Noise (During Construction) Water Resources
Soils (During Construction – Approx, 130 cubic yard)	Paleo Resources
Cultural Resources	Hydrology and Water Quality

## Description and Justification:

The existing brine storage and loading facility (three tanks, the truck lane, and associated pumps and piping) will be reused by the remedy in its existing location at the MW-20 Bench (see C/RAWP, Appendix F, page 1-9, 1<sup>st</sup> paragraph). To support the decades-long operation of the remedy, the containment structure material of construction will need to be upgraded for durability and longevity. The truck lane will be converted from gravel to concrete, per the final remedy design (see Appendix D2, Part 1, Drawing S-06-03). The remedy design, however, did not include details regarding the upgrade for the containment. Therefore, this work variance request is to address the brine tanks containment for use by the remedy, specifically:

- 1. Upgrade the existing lined containment to concrete The original synthetic liner material has degraded from exposure to UV light, heat, and abrasion and must be replaced. PG&E proposes to replace the synthetic-lined containment (including K-rails) with a concrete containment to support the groundwater remedy. See attached drawing with details of the proposed concrete containment. The proposed concrete color will be desert tan, information of proposed concrete color will be submitted to the agencies for review. The proposed concrete material will be similar to the material of the truck lane in the final remedy design (see Appendix E, Section 033 00, Cast-In-Place Concrete).
- 2. **Shorten the length of the containment** This containment will have the same height as the existing containment, but with a slightly smaller footprint (the length is 5 feet shorter). This smaller footprint still meets the required volume for a secondary containment, and allows for more space for remedy construction at the tight MW-20 bench.

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(WVR#1)

**Approval Signatures:** 

Kel Bitson (RABPR Age Com)

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QA Manager or Designee

Approving Agency

Approving Agency

