ADDENDUM TO SOIL MANAGEMENT PLAN (May 28, 2019)
Final Groundwater Remedy
PG&E Topock Compressor Station, Needles, California

2.4 Handling and Storage of Clean Soil

Non-hazardous clean displaced soil (i.e., soil below interim screening levels or project-specific cleanup goals [once established]) will be stockpiled at the work site, if practicable, and recorded in an inventory as described in Section 5.0. Clean soil that was removed from trenches or excavations will be reused as backfill into the same trench or excavation area, if practicable. Clean soil that cannot be immediately used as backfill may be reused in other areas within the APE, or stockpiled for future reuse within the APE. Displaced soil that is stockpiled for future use will be managed following the BMPs described in Section 3.1.2 below, the BMPs Plan presented in Appendix C, the Construction/Remedial Action Work Plan, and the Groundwater Remedy Industrial SWPPP (Appendix E of Volume 1 of this O&M Manual).

Consistent with the special handling procedures requested by Tribes for displaced material generated from clay beds (this does not include clay-containing sediment mixtures, only clay beds), if clay bed(s) are encountered during construction, the clay material will be set aside and stored separately from other displaced soils (see attached figure). In addition, clay material will only be stockpiled and not containerized in 55-gallon drums/small containers or roll-off bins. The method for stockpiling of clay will be similar to that for other displaced soils as described in Section 3.1 (Methods to Store Soil). For the purposes of this project the identification of a "clay bed," and therefore the application of this special handling procedure, will be based on the practicability for the clay material to be separated from other excavated soils or drill cuttings. For example, when trenching with a backhoe it may be possible to identify relatively thin beds of clay material (e.g., less than a foot) and separate it from the rest of the excavated soil, but when drilling with a method that doesn't retrieve cores that can be closely observed and precisely separated (e.g., hollow-stem auger), a relatively thin clay bed might not be identified or the clay material might become mixed with the rest of the cuttings to the point where it cannot be practicably separated. In the event clay material is encountered, PG&E will document the event in the monthly progress reports (during construction) or the quarterly compliance reports (during O&M). Further, salvage of topsoil during installation of trenches will be done where the proposed excavation will occur in areas where undisturbed topsoil may be present. In such areas, the upper 4 inches of soil will be carefully removed and placed near the excavation. The remaining subsurface-soil will then be excavated and stored separately from the topsoil. Following the installation of piping/conduits and backfilling of the trench, the topsoil will be replaced over the trench. Therefore, there will be no need for long-term storage of undisturbed topsoil. The rest of the excavated soil that is not undisturbed topsoil consists of desert soils that are generally low in nutrients and organic matter. Desert soil that has been subject to disturbance typically loses a large percentage of the available nutrient supply and important soil biota. Therefore, salvage of soil from disturbed areas will not occur and there will be no specific actions related to protecting biological integrity while these soils are being stored.

GATE WITH HIGH SECURITY PG&E LOCK

(SCREENING) REJECT PILE

SCREENING/ PROCESSING AREA

TRUCK PATH

GENERATED SOIL STAGING AREA

TRUCK PATH

SCREENED/GENERATED MATERIAL STORAGE

Location for stockpiling of clay, separate from other displaced materials. The location will be demarcated by candle sticks, anchored with sand bags, and yellow rope. A sign, "CLAY MATERIAL" will be posted for visual identification.

(N) PP

NEW OVERHEAD LINE

LINE FOR REMEDY

(E) PP

PP (N)

ELEVATED WATER TANK

COVERED AREA

POWER DISTRIBUTION AND LIGHTING PANEL

GATE WITH HIGH SECURITY PG&E LOCK

TRUCK TRACKING PAD (PROVISIONAL)

A.T.&S.T.R.R.

STATE

BNSF RAILROAD

NOTES:
1. FOR FENCING AND GRAVEL ROAD DETAILS, SEE SHEETS C-00-05, C-00-06, AND C-00-07.
2. FINAL LAYOUT OF TEMPORARY CONSTRUCTION AND LAYDOWN AREAS TO BE DETERMINED BY CONTRACTOR. REPRESENTATIVE USE OF THE AREA IS DEPICTED HERE.

N

0 30' 60' 90'

SCALE: 1"=30'

- FINAL DESIGN - FOR AGENCY APPROVAL ONLY

REGISTERED PROFESSIONAL ENGINEER BENJAMIN J. WUERL C 67811 Exp 6/30/17 CIVIL STATE OF CALIFORNIA

ETIC ENGINEERING

ARCADIS

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
3	5/18/16	ROAD ALIGNMENT REVISION		AJW	JPB	JPB	RAO
2	11/18/15	FINAL DESIGN		AJW	WLM	BW	RAO
1	8/5/15	90% RTC RESOLUTION		AJW	KLD	WLM	BJW
0	2/2/15	SUPPLEMENTAL PRE-FINAL (90%) DESIGN		AJW	MSL	JPB	JEF

REVISIONS

APPROVED BY	
RAO	SO
	SUPV
	DSGN
	DWN
	CHKD
	OK
	DATE
	SCALES

TOPOCK GROUNDWATER REMEDIATION PROJECT

PARK MOABI SOIL STAGING AND STORAGE SITE PLAN

GAS TRANSMISSION & DISTRIBUTION
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

MICROFILM	
BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO.	of SHEETS
C-15-05	REV 3

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