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February 24, 2010

Mr. David Elms  
Supervising Environmental Scientist  
California Department of Fish and Game  
Colorado River Program/Inland Deserts Region  
P.O. Box 2160  
Blythe, CA 92226

**Subject: Cumulative Project Footprint Update (2007-2009) For Field Work Authorized Under MSA No. 1600-2005-0140-R6, Topock Compressor Station, Needles, California**

Dear Mr. Elms:

This letter has been prepared for the Department of Fish and Game (DFG) as a summary of investigative and remedial activities authorized by Streambed Alteration Agreement (Notification No. 1600-2005-0140-R6, as amended in January 2007) at Pacific Gas and Electric Company's (PG&E) Topock Compressor Station near Needles, CA. This summary includes a cumulative 'footprint' tally for authorized projects that have been completed through December 2009.

Table 1 (below) shows a summary of authorized activities and the approximate footprint of each activity, as included in the January 10, 2007 amended notification letter from the Department of Fish and Game (Canh Nguyen) to PG&E (Brandon Liddell).

**Table 1. Summary of authorized activities, footprint, and mitigation (per amended Notification No. 1600-2005-0140-R6, Topock Compressor Station, Needles, California).**

ACTIVITY	Authorized/ Anticipated FOOTPRINT	Pre-Project MITIGATION
Prior In-Situ Floodplain Pilot Study as described in SAA 1600-2005-0140-R6 finalized 1/6/2006	0.25 acre	0.75 acre
Prior IMPM Wells on the Colorado River as described in the emergency notification package submitted on 2/17/2006	0.5 acre	1.5 acres
Planned Slant Wells	0.1 acre (anticipated)	0.3 acre

described in the 10/19/2006 work plan		
Unspecified Investigative and Remediation Activities	2.4 acres	7.2 acres
Total	3.25 acres	9.75 acres

Condition 4 of the agreement (as amended, January 2007) required off-site mitigation for temporary and permanent impacts resulting from prior, planned, and future 'unspecified investigative and remediation activities'. The future activities, as described in the agreement, included, but were not limited to, the installation of additional groundwater wells, soil sampling, and general maintenance activities. When the amended agreement was executed, the projected 'footprint' for all prior, planned, and unspecified (i.e., future) investigative and remediation activities was 3.25 acres, requiring 9.75 acres of mitigation (3:1). This mitigation, including all acquisition, enhancement, endowment, and management fees, was provided by PG&E to Friends of the Desert Mountains and California Department of Fish and Game.

Table 2 shows the actual 'footprint' (ground-disturbance) that was considered subject to DFG jurisdiction attributed to each of the approved/authorized projects, per the terms of the agreement. Authorized activities conducted since the Slant Well installation have been considered 'Unspecified Investigative and Remediation Activities' and include an upland in-situ treatment study, soil sampling, and groundwater investigation. DFG has been notified of these activities before and after completion of work.

**Table 2. Cumulative footprint (through December 2009) for authorized activities subject to amended Notification No. 1600-2005-0140-R6. The footprint for all activities in jurisdictional areas must not exceed the limit of 3.25 acres; unspecified investigative and remediation activities must not exceed 2.4 acres.**


ACTIVITY	COMPLETION DATE	SAA FOOTPRINT (Acres)
In-Situ Floodplain Pilot Study	March 1, 2006	0.25
IMPM Well Installation	May 19, 2006	0.50
Slant Wells (MW-52, MW-53)	March 30, 2007	0.082
Unspecified Investigative and Remediation Activities		
- Upland In-Situ	February 23, 2008	0.0
- Soil Part A	October 24, 2008	0.162
- East Ravine Groundwater Investigation	July 24, 2009	0.000735
	TOTAL (not to exceed 3.25 acres)	<b>0.995</b>

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As of December 2009, approximately 0.995 acres of impacts have been recorded as result of the above mentioned projects. Of the 3.25 acres allowed acres of impact, 2.255 acres of anticipated/ permitted footprint impacts have not yet occurred.

Please contact me at (805) 234-2257, if you have any questions.

Sincerely,



Yvonne Meeks

cc: Carrie Marr/USFWS  
Pamela Innis/DOI  
Aaron Yue/DTSC