

**Addendum to Revised Pore Water and Seepage Study Work Plan
PG&E Topock Compressor Station
Needles, California**

Prepared for
California Department of Toxic Substances Control

on behalf of
Pacific Gas and Electric Company

December 28, 2005

The *Revised Pore Water and Seepage Study Work Plan* (dated October 31, 2005) was approved by DTSC on December 14, 2005. Described in this addendum is PG&E's proposal to supplement the Pore Water and Seepage Study by the collection of river water samples at the time of the pore water sampling. River water sampling would be conducted according to procedures already developed for the Topock Groundwater and Surface Water Monitoring Program. The revisions to the text of the work plan include:

The following text should be appended to the end of Section 4.3

CH2M HILL will also perform river water sampling at a single location on each pore water sampling transect shown in Figure 4-1 (total of 16 river water samples). The river water sampling will be performed from the same boat platform used for pore water sampling. At each location, a single depth-specific river sample will be obtained at approximately one foot above the bottom of the Colorado River in accordance with SOP-A12 (CH2M HILL 2005f). The river water samples will be obtained immediately prior to deployment of the pore water sampling apparatus.

The first paragraph of Section 4.4 should be revised to read (changes noted in **bold**):

All pore water **and river water** samples will be analyzed for the following parameters : Cr(VI), total dissolved chromium [Cr(T)], specific conductance, and pH. Samples collected for Cr(VI) and Cr(T) analysis will be field-filtered and preserved at the time of sample collection, similar to the depth-discrete river channel water sampling procedures (**SOP-A12, CH2M HILL 2005f**) and in accordance with the standard operating procedure for sample field filtration and preservation for metals analyses (**SOP-A6, CH2M HILL 2005e**). The water quality field parameters that will be measured at each of the sampling locations with a flow-through cell include: specific conductance, temperature, pH, oxidation-reduction potential (ORP), and dissolved oxygen. Analytical methods and reporting limits for both the laboratory and field parameters are presented in Table 4-1. Quality control procedures for both field and laboratory work are discussed in Section 7.0.

The following new section should be inserted as 6.1.2.4

6.1.2.4 River Water Sampling

River water sampling will be conducted according to procedures already developed for the Topock Groundwater and Surface Water Monitoring Program (CH2M HILL 2005f). Pumped water will be diverted to a flow-through cell that measures basic water quality parameters (temperature, specific conductance, dissolved oxygen, salinity, oxidation-reduction potential, etc.). Water will be pumped until water quality parameters stabilize and a water sample will be collected. No more than 10 liters of water will be pumped from each sample location.

The last sentence in Section 8.2 should be revised to read (changes in **bold**):

As specified in the DTSC June 30 memorandum (DTSC 2005f), pore water **and river water** sampling results will be submitted in a tabular format within 7 days of data validation completion.