

Central Valley Regional Water Quality Control Board

29 August 2013

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Pacific Gas and Electric Company

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**ADDENDUM TO THE GROUNDWATER CHARACTERIZATION AND WATER SUPPLY WELL DESTRUCTION WORK PLAN, WATER SUPPLY WELL STATUS SUMMARY AND DESTRUCTION PROCEDURES, PACIFIC GAS & ELECTRIC COMPANY - KERN POWER PLANT, 2401 COFFEE ROAD, BAKERSFIELD, KERN COUNTY**

The referenced 18 July 2013 Addendum describes the current status of the on-site water supply wells and presents the proposed methodology for the destruction of those wells. Five water supply wells (WS1, WS2, WS3, WS4, and WS6) were identified and located. The wells were found to be no longer in use and should therefore be destroyed in accordance with California Department of Water Resources and Kern County standards.

Historical records showed two other water wells existed on the site. Using geophysical methods and a backhoe, WS7 was located and appeared to have already been properly destroyed (cut off at 5 feet below grade and backfilled with cement grout). However, after several attempts and using both geophysical methods and a backhoe, WS5 could not be located.

Inspection of WS1 found that the well still contained the vertical turbine pump. An attempt to remove the pump was made but failed. After discussions regarding the situation, the Kern County Environmental Health Services Department approved leaving the vertical turbine pump in the well when the well is destroyed.

Wells WS2, WS3, WS4, and WS6 were video logged on 15 and 16 April 2013. Well WS1 could not be video logged due to the vertical turbine pump obstructing the well.

A groundwater grab sample was collected from WS3. WS1 could not be sampled due to the vertical turbine pump obstructing the well, and the remaining three wells could not be sampled because they were dry.

The five water wells will be destroyed in accordance with Kern County guidelines and consistent with information provided by the Kern County Environmental Health Services Department. Kern County will be provided an advanced notice so that destruction activities can be overseen, if so desired. The wells will be perforated and backfilled with grout by tremmie and cut off at five feet below grade. The well destruction activities are anticipated to occur in September or October 2013.

Central Valley Water Board staff has no objections to the work scope and approach outlined in the Addendum. If you have any questions, please contact Greg Issinghoff at 559-488-4390.



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