

**Environmental Programs (EP)
Document Signature Form**

Catalog Number: EP2013-0061

Document Title/Subject: Plug and Abandonment (P&A) of LANL Wells – LANL Wide Well Plug and Abandonment

Project Manager:

Author: SEE APPROVAL SIGNATURES ON FINAL WCSF

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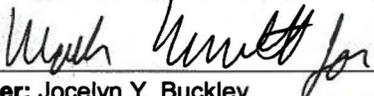
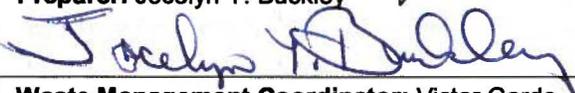
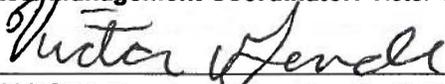
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Doc Reviewers Name (Print reviewer's name under title)	Signature	Date
Technical Reviewer		
Project Manager		
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Amendment #2 to the WCSF Title: Plug and Abandonment (P&A) of LANL Wells – LANL Wide Well Plug and Abandonment EP2011-0268	Records Use only 
Reason for Change: This WCSF is being amended to address the management and characterization requirements for an additional waste stream, not previously identified on the existing P&A WCSF, generated from P&A activities of the Sigma Mesa well.	
Waste Description: Excess Water from P&A Activities at the Sigma Mesa Well. The excess water is a mixture of potable water, drilling fluids, groundwater, and cement chase water. Approximately 6500 gallons is expected to be generated.	
Characterization, Management, and Disposal: The excess water will be containerized and managed as non-hazardous; however, pH readings will take place at least monthly. If the waste becomes hazardous (i.e., pH is greater than 12.5), then it will be managed as such and labeled appropriately. The generation start date is the date the non-hazardous waste is first placed in the container. A full waste characterization suite analysis, identical to the suite used in characterizing the drilling fluids (Refer to the Characterization Table in the original WCSF), will be used to characterize this waste. This waste will be sent off-site for recycling or disposal. If hazardous, this waste stream will be disposed of at an off-site facility within 90 days of generation. If the waste is non-hazardous, it will be recycled or disposed of off-site within 180 days of generation.	

Signatures	Date
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