



**U.S. Department of Energy  
Environmental Management  
Nevada Program  
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**JUN 22 2017**

Steve Rosenbaum, Chair  
Nevada Site Specific Advisory Board  
232 Energy Way  
North Las Vegas, NV 89030

**RESPONSE TO NEVADA SITE SPECIFIC ADVISORY BOARD (NSSAB)  
RECOMMENDATION FOR GROUNDWATER SAMPLING TECHNIQUES (WORK PLAN  
ITEM #5)**

I would like to thank the NSSAB for taking the time to provide a recommendation regarding use of existing and potential groundwater sampling techniques in your April 19<sup>th</sup> letter.

**NSSAB recommendation:** DOE should pursue obtaining additional information on the inclusive costs of the Panacea Pump. The inclusive costs should include purchase activities (pump cost, warranty, shipping, taxes, payback analysis, and any miscellaneous costs related to purchase, such as testing) and life-cycle costs (equipment maintenance, parts availability, consumables replacements and availability, etc.).

**DOE Response:** The EM Nevada Program supports this recommendation. DOE will complete a thorough assessment (which will include a cost-benefit analysis for life-cycle costs and training) to determine whether to purchase the equipment, obtain a subcontract, or lease the equipment.

**NSSAB Recommendation:** DOE should pursue testing the performance of the Panacea Pump at several different wells on the Nevada National Security Site (NNSS).

**DOE Response:** The EM Nevada Program supports this recommendation. At this time, the EM Nevada Program is analyzing existing wells on the NNSS where the Panacea Pump could potentially be tested and utilized to provide added value to long-term sampling efforts. Additionally, we are researching the best approach to potentially utilize the pump that will include a comprehensive look at the best method for implementation.

The Environmental Management Nevada Program appreciates the support of the NSSAB in this endeavor and the efforts made by the Board to provide recommendations. As always, the NSSAB's input is valued and your efforts are greatly appreciated.

Please contact Kelly Snyder at (702) 295-2836 if further information on this matter is needed.



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