

Professional Engineer's Certification

In accordance with §257.91(f) of the Rule, I hereby certify, based on a review of the information contained in the "Keystone CCR Groundwater Monitoring Network Design Report" (APTIM, October 2017) and other information made available to me, and my knowledge and understanding of accepted hydrogeological principles, that the groundwater monitoring systems associated with the Keystone CCR Units are adequate and appropriate. This certification further acknowledges the utilization of the required minimum number of monitoring wells as appropriate for the Keystone East Valley and West Valley Disposal Sites and the Ash Filter Ponds, and also the adoption of a multiunit monitoring system (per §257.91[d]) for the Ash Filter Ponds. The construction and orientation of the respective groundwater monitoring systems is sufficient to satisfy the performance standards outlined in §257.91(a)(1-2) of the Rule.

Certified by: _____

Richard Southorn, P.E., P.G., CPSWQ

Professional Engineer Registration No. PE 085411

Aptim Environmental & Infrastructure, Inc.

Date: _____

10/9/17

