Appendix B

| NUCLEAR<br>WASTE<br>MANAGEMENT<br>Sandia<br>PROCEDURE<br>National<br>Laboratories   | Parameter Problem Report<br>(PPR)   | Form Number:<br>NP 9-2-2<br>Page 1 of 1⁄2   |
|---|---|---|
| Material Abbreviated Name:  | SOLMOD3   | All   |
| Property Abbreviated Name:  | SOLSOH3   |   |
| Associated Analysis:<br>CCA, PAVT, AP-159, etc.)  | CRA19   |   |
| Effective Date:   | 4/16/2019   |   |
| Description of Problem  |   |   |
| entered as 2.0 when the corr  | ate)  | to PA, it did have an   |
| Problem Resolution and Ju   | stification for no Condition Adverse to Quality   |   |
| any of the output PA parameters<br>SOLMOD3/SOLSOH3 had be<br>which use the SOLMOD3/SO<br>model with the updated SOL<br>An(III), brine pressure, hydro<br>total release of An(III) from the<br>parameter, therefore, there is<br>be updated. This problem rest | ed, the first by Domski to determine if changes to the all<br>sters from the baseline solubility model. Domski determ<br>een impacted which precipitated the need to evaluate of<br>DLSOH3 parameter. The second model was the PA mo<br>MOD3/SOLSOH3 parameter and found there was no c<br>gen gas generation rate, and transport to the Culebra.<br>The repository were not impacted by the change to the S<br>is no condition adverse to quality, and the WIPP PA Par<br>solution and justification for no condition adverse to qua<br>the $\alpha$ 1 terms of three Binary Pitzer Parameter blocks in<br>(Domski, 2020). | hined that<br>downstream models<br>odel itself, Kim ran the<br>change in the mobilized<br>The CCDFGF plots of<br>COLMOD3/SOLSOH3<br>rameter Database will not<br>ality is documented in |
| Concurrence   |   |   |
| Paul E. Shoemaker<br>PA Manager (Print, Sign and<br>Shelly R. Nielsen   | I Date)<br>My R. Mallen 2019-006  |   |
|   | 1-13-202)   |   |
|   |   |   |

QA Staff (Print, Sign and Date)

Parameter Problem Report No. (PPR)