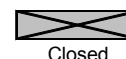


| Integrated Subissue  | Integration | Associated KTI Subissues   | Data and Model Sufficiency                | Data Uncertainty                          | Model Uncertainty                         | Model Support                             |
|--|-------------|--|---|---|---|---|
| ENG1 - Degradation of Engineered Barriers                    | OPEN        | CLST1<br>CLST5<br>ENFE2<br>TEF1<br>TEF2<br>RDTME3                                    | 1<br>2<br>3<br>4<br>5<br>X                | 1<br>2<br>3<br>4<br>5<br>X                | 1<br>2<br>3<br>4<br>5<br>X                | 1<br>2<br>3<br>4<br>5<br>6                |
| ENG2 - Mechanical Disruption of Engineered Barriers          | OPEN        | IA2<br>CLST1<br>CLST5<br>RDTME3<br>SDS3  | 1<br>2<br>3<br>4<br>X                     | 1<br>2<br>3<br>4<br>5                     | 1<br>2<br>3<br>4<br>5                     | 1<br>2<br>3<br>4<br>X                     |
| ENG3 - Quantity and Chemistry of Water Contacting ...        | OPEN        | ISI-specific<br>CLST1<br>ENFE1<br>RDTME3<br>ENFE2<br>ENFE3<br>USFIC4<br>TEF2<br>SDS3 | 1<br>2<br>X<br>3<br>4<br>5<br>6<br>X<br>X | 1<br>2<br>X<br>3<br>4<br>5<br>7<br>6<br>8 | 1<br>3<br>X<br>4<br>5<br>5<br>6<br>6<br>X | 1<br>4<br>3<br>5<br>X<br>7<br>2<br>6<br>X |
| ENG4 - Radionuclide Release Rates and Solubility Limits      | OPEN        | ENFE3<br>ENFE4<br>CLST5  | 1<br>2<br>3                               | 1<br>2<br>3                               | 1<br>2<br>3                               | 1<br>2<br>3                               |
| UZ1 - Climate and Infiltration                               | CLOSED      |  |   |   |   |   |
| UZ2 - Flow Paths in the Unsaturated Zone                     | OPEN        | USFIC4<br>ENFE1<br>TEF1<br>TEF2<br>RDTME3<br>SDS3                                    | 1<br>X<br>2<br>3<br>4<br>X                | 1<br>2<br>3<br>4<br>5<br>6                | X<br>1<br>X<br>2<br>3<br>X                | 1<br>2<br>X<br>3<br>X<br>X                |
| UZ3 - Radionuclide Transport in the Unsaturated Zone         | OPEN        | USFIC4<br>RT1<br>RT3<br>SDS3<br>ENFE4<br>USFIC6                                      | 1<br>2<br>3<br>X<br>5<br>4                | 1<br>2<br>3<br>4<br>5<br>6                | 1<br>2<br>3<br>X<br>X<br>4                | 1<br>2<br>3<br>X<br>4<br>5                |
| SZ1 - Flow Paths in the Saturated Zone                       | OPEN        | USFIC5<br>SDS3   | 1<br>2                                    | 1<br>2                                    | 1<br>2                                    | 1<br>2                                    |
| SZ2 - Radionuclide Transport in the Saturated Zone           | OPEN        | USFIC5<br>USFIC6<br>RT1<br>RT2<br>RT3<br>SDS3  | 1<br>2<br>3<br>4<br>5<br>X                | 1<br>2<br>3<br>4<br>5<br>6                | 1<br>2<br>3<br>4<br>5<br>X                | 1<br>2<br>3<br>4<br>5<br>X                |
| Direct1 - Volcanic Disruption of the Waste Packages          | OPEN        | IA2  | 1   | 1   | 1   | 1   |
| Direct2 - Airborne Transport of Radionuclides                | OPEN        | IA2  | 1   | 1   | 1   | 1   |
| Dose1 - Dilution of Radionuclides in Groundwater Due to .... | CLOSED      |  |   |   |   |   |
| Dose2 - Redistribution of Radionuclides in Soil              | OPEN        | IA2  | 1   | 1   | 1   | 1   |
| Dose3 - Lifestyle of the Critical Group                      | OPEN        | ISI-specific<br>USFIC5<br>RT3<br>IA2   | 1<br>2<br>3<br>4                          | 1<br>X<br>X<br>4                          | 1<br>X<br>X<br>4                          | 1<br>X<br>X<br>4                          |



More Impact

1  
2  
3  
4  
5  
6  
7  
8

Less Impact

