## Cross Reference Checklist NUREG-1748 to Licensee Submittals

<table>
<thead>
<tr>
<th>NUREG-1748</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.0 Proposed Activities</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 1.0 Proposed Activities | License Application, CDPHE Form OR-RH 12  
Basic Engineering Report Selected Drawings A1  
Geotechnical Design Recommendations Mill and Infrastructure A2  
Roadway Pavement Design Recommendations A3  
Site Drainage Analysis and Design Report A4  
Ore Stockpile Pad Design Report A5  
Tailings Cell Design Report A6  
Evaporation Pond Design Report A7  
Technical Specifications A8  
Construction Plan B1  
Facility Operating Plan B2  
Mine Operations Plan B3  
Socio-Economic Baseline and Impact Analysis C1  
Water Rights and Well Permits L1  
Water and Wastewater Plan L2  
Stormwater Management Plan L4  
CDOT Access Permit and Traffic Study L5  
CDOT Access Design and Notice to Proceed L6  
Special Use Permit Application L7  
Air Pollution Emission Notice for Permit to Construct L8  
Security Plan M1  
Piñon Ridge Project Environmental Report, Section 2.2 |
| **2.0 The Site Affected Environment** | |
| 2.1 Site Location and Layout | Basic Engineering Report Selected Drawings A1  
Roadway Pavement Design Recommendations A3  
Site Drainage Analysis and Design Report A4  
Ore Stockpile Pad Design Report A5  
Tailings Cell Design Report A6  
Evaporation Pond Design Report A7  
Facility Operating Plan B2  
Water and Wastewater Plan L2  
CDOT Access Permit and Traffic Study L5  
CDOT Access Design and Notice to Proceed L6  
Security Plan M1  
Piñon Ridge Project Environmental Report, Sections 2.2.1, 2.2.2, 2.2.3 and 3.1.1 |
| 2.2 Uses of Adjacent Lands and Waters (table of nearest users) | Hydrogeologic Report F1  
Water and Wastewater Plan L2  
Piñon Ridge Project Environmental Report, Sections 2.2, 3.1, 3.5.1.4 and 3.4 |
| 2.3 Population Density | Socio-Economic Baseline and Impact Analysis C1  
Piñon Ridge Project Environmental Report, Section 3.10 |
<table>
<thead>
<tr>
<th>Regulatory Guide Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 2.4 Regional, Historic, Archeological, Architectural, Scenic, Cultural, and Natural Landmarks | Class III Cultural Resource Inventory and Evaluation Testing Results for Piñon Mill Development Project **M2**  
Archaeological Treatment of Sites 5MN8269 and 5MN8270 **M3**  
Class III Cultural Resource Inventory for Cooper Property **M4**  
Piñon Ridge Project Environmental Report, Section **3.8** |
| 2.5 Geology and Soils | Geotechnical Design Recommendations Mill and Infrastructure **A2**  
Soil Survey **D1**  
Geologic Report **E1**  
Phase 2-Geotechnical Field and Laboratory Test Program **E2**  
Piñon Ridge Project Environmental Report, Sections **3.1.2.2 and 3.3** |
| 2.6 Seismology | Geotechnical Design Recommendations Mill and Infrastructure **A2**  
Tailings Cell Design Report **A6**  
Evaporation Pond Design Report **A7**  
Technical Specifications **A8**  
Geologic Report **E1**  
Piñon Ridge Project Environmental Report, Sections **3.3.1.3 and 3.4.3** |
| 2.7 Hydrology (Water Resources) | Geologic Report **E1**  
Hydrogeologic Report **F1**  
Phase 3 Long-Term Pumping Test Data Report **F2**  
Water Supply Evaluation **F3**  
Groundwater Monitoring Summary Report **F4**  
Water & Wastewater Systems **L2**  
Piñon Ridge Project Environmental Report, Section **3.4.2 and 3.4.3** |
| 2.7.1 Groundwater | Site Drainage Analysis and Design Report **A4**  
Baseline Surface Hydrology Modeling Report **G1**  
Surface Water Monitoring – Summary Report **G2**  
Water Supply Evaluation **F3**  
Preliminary Wetland Delineation and Jurisdictional Determination **L3**  
Stormwater Management Plan **L4**  
Piñon Ridge Project Environmental Report, Sections **3.4.1 and 3.4.3** |
| 2.7.2 Surface Water | Meteorology, Air Quality and Climatology Report **H1**  
Second Quarter 2009 Data Report for Ambient Air Monitoring **H2**  
Piñon Ridge Project Environmental Report, Section **3.6** |
| 2.8 Meteorology, Climatology, and Air Quality | Soil Survey **D1**  
Vegetation Survey **D2**  
Wildlife Survey **D3**  
Biological Survey Report **D4**  
Ecological Screening of Raffinate Water **D5**  
Piñon Ridge Project Environmental Report, Section **3.5** |
| 2.9 Ecology | Groundwater Monitoring Summary Report **F4**  
Surface Water Monitoring – Summary Report **G2**  
Meteorology, Air Quality and Climatology Report **H1**  
Second Quarter 2009 Data Report for Ambient Air Monitoring **H2**  
Baseline Radiological Investigation Report **I1**  
Baseline Survey of Radionuclides in Animal Tissues **I2**  
Piñon Ridge Project Environmental Report, Sections **3.3, 3.4, 3.5, 3.6, and 3.11** |
<table>
<thead>
<tr>
<th>Regulatory Guide Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 2.11 Background Nonradiological Characteristics | Soil Survey **D1**  
Vegetation Survey **D2**  
Wildlife Survey **D3**  
Biological Survey Report **D4**  
Geologic Report **E1**  
Phase 2-Geotechnical Field and Laboratory Test Program **E2**  
Hydrogeologic Report **F1**  
Phase 3 Long-Term Pumping Test Data Report **F2**  
Water Supply Evaluation **F3**  
Groundwater Monitoring Summary Report **F4**  
Surface Water Monitoring – Summary Report **G1**  
Surface Water Monitoring – Summary Report **G2**  
Baseline Surface Hydrology Modeling Report **G1**  
Second Quarter 2009 Data Report for Ambient Air Monitoring **H2**  
Work Plan for Ambient Air Monitoring **H3**  
Piñon Ridge Project Environmental Report, **Sections 3.3, 3.4 and 3.5** |
| 2.12 Other Environmental Features               | Preliminary Wetland Delineation and Jurisdictional Determination **L3**  
Piñon Ridge Project Environmental Report, **Sections 3.6, 3.7, 3.8 and 3.9** |
| 3.0 Mill                                        | License Application, CDPHE Form OR-RH 12  
Basic Engineering Report Selected Drawings **A1**  
Roadway Pavement Design Recommendations **A3**  
Site Drainage Analysis and Design Report **A4**  
Ore Stockpile Pad Design Report **A5**  
Evaporation Pond Design Report **A7**  
Facility Operating Plan **B2**  
Piñon Ridge Project Environmental Report, **Sections 2.2.1, 2.2.2, 2.2.3 and 3.1** |
| 3.2 External Appearance of Mill                 | Basic Engineering Report Selected Drawings **A1**  
Facility Operating Plan **B2**  
Evaporation Pond Design Report **A7**  
Piñon Ridge Project Environmental Report, **Section 3.9** |
| 3.3 Mill Circuit                                | Basic Engineering Report Selected Drawings **A1**  
Facility Operating Plan **B2**  
Piñon Ridge Project Environmental Report, **Section 2.2.3** |
| 3.4 Sources of Mill Wastes                     | Basic Engineering Report Selected Drawings **A1**  
Facility Operating Plan **B2**  
Material Containment Plan **J7**  
Decommissioning Plan **K1**  
Water and Wastewater Plan **L2**  
Piñon Ridge Project Environmental Report, **Section 2.2.3** |
| 3.5 Controls of Mill Wastes and Effluents       | Ore Stockpile Pad Design Report **A5**  
Tailings Cell Design Report **A6**  
Evaporation Pond Design Report **A7**  
Facility Operating Plan **B2**  
Material Containment Plan **J7**  
Decommissioning Plan **K1**  
Tailing Cell Closure Design Report **K2**  
Specifications for Closure and Reclamation of Mill Facilities **K3**  
Piñon Ridge Project Environmental Report, **Section 2.2.3** |
<table>
<thead>
<tr>
<th>Regulatory Guide Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 3.6 Sanitary and Other Mill Waste Systems | Water and Wastewater Plan L2  
Stormwater Management Plan L4  
Piñon Ridge Project Environmental Report, Section 2.2.3 |
| 3.7 Mining Activities | Mine Operations Plan B3  
Piñon Ridge Project Environmental Report, Section 3.1.2 |
| **4.0 Environmental Effects of Site Preparation, Mill Construction, and Mine Operation** | |
| 4.1 Site Preparation and Construction | Construction Plan B1  
Piñon Ridge Project Environmental Report, Sections 4.1.1.2, 4.3.1.1 and 5 |
| 4.2 Resources Committed | Socio-Economic Baseline and Impact Analysis C1  
Piñon Ridge Project Environmental Report, Sections 3.10, 4.1.1.2, 4.10 and 5 |
| **5.0 Environmental Effects of Mill Operations** | |
| 5.1 Radiological Impact on Biota Other than Humans | Estimates of Radiation Doses to Members of the Public J2  
Radiological Exposure Pathways Report J3  
Accident and Risk Assessment Report J4  
Piñon Ridge Project Environmental Report, Sections 4.5 and 5 |
| 5.2 Radiological Impact on Humans | Estimates of Radiation Doses to Members of the Public J2  
Radiological Exposure Pathways Report J3  
Accident and Risk Assessment Report J4  
Piñon Ridge Project Environmental Report, Sections 4.6 and 5 |
| 5.3 Chemical Impacts on Humans | Accident and Risk Assessment Report J4  
Piñon Ridge Project Environmental Report, Sections 4.11 and 5 |
| 5.4 Effects of Sanitary and Other Waste Discharges | Piñon Ridge Project Environmental Report, Sections 4.11 and 5 |
| 5.5 Other Effects | Piñon Ridge Project Environmental Report, Sections 4 and 5 |
| 5.6 Resources Committed | Socio-Economic Baseline and Impact Analysis C1  
Piñon Ridge Project Environmental Report, Sections 3.10 and 4.10 |
### 6.0 Effluent and Environmental Measurements and Monitoring Programs

#### 6.1 Preoperational Environmental Program

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 6.1.1 Surface Water | Baseline Surface Hydrology Modeling Report G1  
Surface Water Monitoring – Summary Report G2  
Piñon Ridge Project Environmental Report, Sections 2.2.9 and 4.4.3 |
| 6.1.2 Groundwater | Hydrogeologic Report F1  
Phase 3 Long-Term Pumping Test Data Report F2  
Groundwater Monitoring Summary Report F4  
Piñon Ridge Project Environmental Report, Sections 2.2.9 and 4.4.3 |
| 6.1.3 Air | Meteorology, Air Quality and Climatology Report H1  
Second Quarter 2009 Data Report for Ambient Air Monitoring H2  
Piñon Ridge Project Environmental Report, Sections 2.2.9 and 4.6 |
| 6.1.4 Land | Soil Survey D1  
Vegetation Survey D2  
Wildlife Survey D3  
Biological Survey Report D4  
Geologic Report E1  
Phase 2-Geotechnical Field and Laboratory Test Program E2  
Piñon Ridge Project Environmental Report, Sections 2.2.9, 4.1.3 and 4.3.3 |
| 6.1.5 Radiological Survey | Meteorology, Air Quality and Climatology Report H1  
Second Quarter 2009 Data Report for Ambient Air Monitoring H2  
Baseline Radiological Investigation Report I1  
Baseline Survey of Radionuclides in Animal Tissues at the Proposed Pinion Ridge Mill Site I2  
Surface Water Monitoring – Summary Report G2  
Groundwater Monitoring Summary Report F4  
Piñon Ridge Project Environmental Report, Sections 2.2.9 and 4.11 |

#### 6.2 Proposed Operational Monitoring Programs

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 6.2.1 Radiological Monitoring | Mill Health and Safety Plan J1  
Operational Monitoring Plan J6  
Piñon Ridge Project Environmental Report, Sections 2.2.9, 4.3.3, 4.4.3, 4.5.3, 4.6.3 and 4.11 |
| 6.2.2 Chemical Effluent Monitoring | Mill Health and Safety Plan J1  
Operational Monitoring Plan J6  
Piñon Ridge Project Environmental Report, Sections 2.2.9, 4.3.3 and 4.4.3 |
| 6.2.3 Ecological Monitoring | Operational Monitoring Plan J6  
Piñon Ridge Project Environmental Report, Sections 2.2.9 and 4.4.3 |

#### 6.3 Related Environmental Measurement and Monitoring Programs

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 6.3 | Operational Monitoring Plan J6  
Piñon Ridge Project Environmental Report, Sections 2.2.9, 4.7.3, 4.8.3 and 4.9.3 |

### 7.0 Environmental Effects of Accidents

#### 7.1 Mill Accidents Involving Radioactivity

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 7.1 | Accident and Risk Assessment Report J4  
Emergency Response Plan J5  
Material Containment Plan J7  
Piñon Ridge Project Environmental Report, Sections 4.11 and 5 |

#### 7.2 Transportation Accidents

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
</table>
| 7.2 | Radiological Exposure Pathways Report J3  
Accident and Risk Assessment Report J4  
Piñon Ridge Project Environmental Report, Sections 4.2 and 5 |

#### 7.3 Other Accidents

<table>
<thead>
<tr>
<th>Section</th>
<th>Location of Information in Licensee Submittal and Exhibit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.3</td>
<td>Accident and Risk Assessment Report J4</td>
</tr>
<tr>
<td>Regulatory Guide Section</td>
<td>Location of Information in Licensee Submittal and Exhibit Number</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>8.0 Economic and Social Effects of Mill Construction and Operation</td>
<td></td>
</tr>
<tr>
<td>8.1 Benefits</td>
<td>Socio-Economic Baseline and Impact Analysis C1</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Project Environmental Report, <strong>Sections 4.10, 5 and 7</strong></td>
</tr>
<tr>
<td>8.2 Costs</td>
<td>Socio-Economic Baseline and Impact Analysis C1</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Project Environmental Report, <strong>Sections 4.10, 5 and 7</strong></td>
</tr>
<tr>
<td>9.0 Decommissioning and Reclamation</td>
<td>Decommissioning Plan K1</td>
</tr>
<tr>
<td></td>
<td>Tailing Cell Closure Design Report K2</td>
</tr>
<tr>
<td></td>
<td>Specifications for Closure and Reclamation of Mill Facilities K3</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Mill Decommissioning and Reclamation Cost Estimate K4</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Project Environmental Report, <strong>Section 2.2.7</strong></td>
</tr>
<tr>
<td>10.0 Alternatives to the Proposed Action</td>
<td>Piñon Ridge Project Environmental Report, <strong>Sections 2.1 and 2.3</strong></td>
</tr>
<tr>
<td>11.0 Benefit-Cost Analysis</td>
<td>Piñon Ridge Project Environmental Report, <strong>Section 7</strong></td>
</tr>
<tr>
<td>12.0 Environmental Approvals and Consultations</td>
<td>Water Rights and Well Permits L1</td>
</tr>
<tr>
<td></td>
<td>Preliminary Wetland Delineation and Jurisdictional Determination L3</td>
</tr>
<tr>
<td></td>
<td>Stormwater Management Plan L4</td>
</tr>
<tr>
<td></td>
<td>CDOT Access Permit and Traffic Study L5</td>
</tr>
<tr>
<td></td>
<td>CDOT Access Design and Notice to Proceed L6</td>
</tr>
<tr>
<td></td>
<td>Special Use Permit Application L7</td>
</tr>
<tr>
<td></td>
<td>Air Pollution Emission Notice for Permit to Construct L8</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Project Environmental Report, <strong>Section 3</strong></td>
</tr>
<tr>
<td>13.0 References</td>
<td>List of Exhibits</td>
</tr>
<tr>
<td></td>
<td>Piñon Ridge Project Environmental Report, <strong>Sections 8 and 9</strong></td>
</tr>
</tbody>
</table>