## Parameter

<table>
<thead>
<tr>
<th>RESRAD-Offsite Default</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preliminary Inputs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exposure Duration</td>
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<td>1</td>
<td>1</td>
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</tr>
</tbody>
</table>

### Site Layout

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degrees North is from X-axis</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>X dimension of Primary Contamination</td>
<td>100</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>Y dimension of Primary Contamination</td>
<td>100</td>
<td>70</td>
<td>70</td>
</tr>
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</table>

### Non-Leafy Plot (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 34.375 / 65.625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: 234 / 266</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Leafy Plot (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 34.375 / 65.625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: 234 / 266</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Pasture (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 0 / 100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: 450 / 550</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Grain (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 0 / 100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: 300 / 400</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dwelling (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: 34.375 / 65.625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: 134 / 166</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Surface-water Body (Smaller / Larger)

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: -100 / 200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y: -550 / 850</td>
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</table>

### Distribution Coefficients

<table>
<thead>
<tr>
<th></th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ac-227</td>
<td>20</td>
<td>1740</td>
<td>1740</td>
</tr>
<tr>
<td>Am-241</td>
<td>20</td>
<td>Sediment: 4000</td>
<td>Sediment: 4000</td>
</tr>
<tr>
<td>Cs-137</td>
<td>4600</td>
<td>Sediment: 480</td>
<td>Sediment: 480</td>
</tr>
<tr>
<td>Np-237</td>
<td>257</td>
<td>Sediment: 3</td>
<td>Sediment: 3</td>
</tr>
<tr>
<td>Pa-231</td>
<td>50</td>
<td>2040</td>
<td>2040</td>
</tr>
<tr>
<td>Sr-90</td>
<td>30</td>
<td>Sediment: 15</td>
<td>Sediment: 15</td>
</tr>
<tr>
<td>Th-229</td>
<td>60000</td>
<td>5890</td>
<td>5890</td>
</tr>
<tr>
<td>U-233</td>
<td>50</td>
<td>Sediment: 10</td>
<td>Sediment: 10</td>
</tr>
<tr>
<td>U-235</td>
<td>50</td>
<td>Sediment: 10</td>
<td>Sediment: 10</td>
</tr>
</tbody>
</table>

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*Based on land use survey.*

Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>RESRAD-Offsite Default</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathways</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Include</td>
<td>External, Inhalation, Plant Ingestion, Meat Ingestion, Milk Ingestion, Aquatic Foods, Drinking Water, Soil Ingestion</td>
<td>External, Inhalation, Plant Ingestion, Meat Ingestion, Aquatic Foods, Soil Ingestion</td>
<td>External, Inhalation, Plant Ingestion, Meat Ingestion, Aquatic Foods, Soil Ingestion</td>
<td>External, Inhalation, Plant Ingestion, Meat Ingestion, Aquatic Foods, Soil Ingestion</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Physical and Hydrological</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Precipitation</td>
<td>1</td>
<td>1.16</td>
<td>1.16</td>
<td>1.16</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Wind Speed</td>
<td>0.89 (calculated)</td>
<td>Wind Rose</td>
<td>Wind Rose</td>
<td>Wind Rose</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Table 3-10: Wind Speed and Direction Frequency Distributions at 10 Meters.</td>
</tr>
<tr>
<td>Primary Contamination</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of contamination parallel to aquifer flow</td>
<td>100</td>
<td>88</td>
<td>88</td>
<td>88</td>
<td>Square root of the area.</td>
</tr>
<tr>
<td>Irrigation</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on the Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C; Evapotranspiration and runoff coefficients selected to achieve infiltration rate of 0.26 m/y.</td>
</tr>
<tr>
<td>Evapotranspiration coefficient</td>
<td>0.5</td>
<td>0.62</td>
<td>0.62</td>
<td>0.62</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C; Evapotranspiration and runoff coefficients selected to achieve infiltration rate of 0.26 m/y.</td>
</tr>
<tr>
<td>Runoff</td>
<td>0.2</td>
<td>0.41</td>
<td>0.41</td>
<td>0.41</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C; Evapotranspiration and runoff coefficients selected to achieve infiltration rate of 0.26 m/y.</td>
</tr>
<tr>
<td>Thickness</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Total Porosity</td>
<td>0.5</td>
<td>0.36</td>
<td>0.36</td>
<td>0.36</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Dry bulk density</td>
<td>1.5</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Soil erodibility factor</td>
<td>0.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Field Capacity</td>
<td>0.3</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>B parameter</td>
<td>5.3</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
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</tbody>
</table>
## Parameter

### RESRAD-Offsite Default

<table>
<thead>
<tr>
<th>Parameter</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic conductivity</td>
<td>10</td>
<td>140</td>
<td>140</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Effective Porosity</td>
<td>0.4</td>
<td>0.25</td>
<td>0.25</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
</tbody>
</table>

### Agricultural Areas

#### Irrigation

<table>
<thead>
<tr>
<th></th>
<th>Non-Leafy</th>
<th>Leafy</th>
<th>Pasture</th>
<th>Grain</th>
<th>Dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Leafy</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Leafy</td>
<td>0.2</td>
<td>0.25</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Pasture</td>
<td>0.2</td>
<td>0</td>
<td>0.25</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Grain</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Dwelling</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Based on land use survey.

#### Evapotranspiration coefficient

<table>
<thead>
<tr>
<th></th>
<th>Non-Leafy</th>
<th>Leafy</th>
<th>Pasture</th>
<th>Grain</th>
<th>Dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Leafy</td>
<td>0.5</td>
<td>0.62</td>
<td>0.62</td>
<td>0.62</td>
<td>0.62</td>
</tr>
<tr>
<td>Leafy</td>
<td>0.5</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
</tr>
<tr>
<td>Pasture</td>
<td>0.5</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
</tr>
<tr>
<td>Grain</td>
<td>0.5</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
</tr>
<tr>
<td>Dwelling</td>
<td>0.5</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
</tr>
</tbody>
</table>

Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. Evapotranspiration and runoff coefficients selected to achieve infiltration rate of 0.26 m/y.

#### Runoff

<table>
<thead>
<tr>
<th></th>
<th>Non-Leafy</th>
<th>Leafy</th>
<th>Pasture</th>
<th>Grain</th>
<th>Dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Leafy</td>
<td>0.2</td>
<td>0.41</td>
<td>0.41</td>
<td>0.41</td>
<td>0.41</td>
</tr>
<tr>
<td>Leafy</td>
<td>0.2</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
</tr>
<tr>
<td>Pasture</td>
<td>0.2</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
</tr>
<tr>
<td>Grain</td>
<td>0.2</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
</tr>
<tr>
<td>Dwelling</td>
<td>0.2</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
</tr>
</tbody>
</table>

Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. Evapotranspiration and runoff coefficients selected to achieve infiltration rate of 0.26 m/y.

#### Dry bulk density

<table>
<thead>
<tr>
<th></th>
<th>Non-Leafy</th>
<th>Leafy</th>
<th>Pasture</th>
<th>Grain</th>
<th>Dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Leafy</td>
<td>1.5</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Leafy</td>
<td>1.5</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
</tr>
<tr>
<td>Pasture</td>
<td>1.5</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
<td>Pasture</td>
</tr>
<tr>
<td>Grain</td>
<td>1.5</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
</tr>
<tr>
<td>Dwelling</td>
<td>1.5</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
</tr>
</tbody>
</table>

Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.

#### Soil erodibility factor

<table>
<thead>
<tr>
<th></th>
<th>Non-Leafy</th>
<th>Leafy</th>
<th>Pasture</th>
<th>Grain</th>
<th>Dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Leafy</td>
<td>0.4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Leafy</td>
<td>0.4</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
<td>Leafy</td>
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<tr>
<td>Pasture</td>
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<td>Pasture</td>
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<td>Pasture</td>
<td>Pasture</td>
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<tr>
<td>Grain</td>
<td>0.4</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
<td>Grain</td>
</tr>
<tr>
<td>Dwelling</td>
<td>0</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
<td>Dwelling</td>
</tr>
</tbody>
</table>
# RESRAD-Offsite 3.1 Inputs Parameters for Homeowner Areas that differ from defaults

<p>| Parameter                          | RESRAD-Offsite Default | HO3      | HO4      | HO5      | Basis                                           |
|------------------------------------|------------------------|----------|----------|----------|
| <strong>Atmospheric Transport</strong>          |                        |          |          |          |                                                |
| Joint Metrological Data (Wind Speed/ Stability class frequency) | n/a                    | Wind Rose | Wind Rose | Wind Rose | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Table 3-10: Wind Speed and Direction Frequency Distributions at 10 Meters |
| <strong>Unsaturated Zone Hydrology</strong>     |                        |          |          |          |                                                |
| Thickness                          | 4                      | 2        | 2        | 2        | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Dry bulk density                   | 1.5                    | 1.7      | 1.7      | 1.7      | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Total Porosity                     | 0.4                    | 0.36     | 0.36     | 0.36     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Effective Porosity                 | 0.2                    | 0.25     | 0.25     | 0.25     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Field Capacity                     | 0.3                    | 0.2      | 0.2      | 0.2      | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Hydraulic conductivity            | 10                     | 140      | 140      | 140      | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| B parameter                        | 5.3                    | 1.4      | 1.4      | 1.4      | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| <strong>Saturated Zone Hydrology</strong>       |                        |          |          |          |                                                |
| Dry bulk density                   | 1.5                    | 1.7      | 1.7      | 1.7      | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Total Porosity                     | 0.4                    | 0.36     | 0.36     | 0.36     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Effective Porosity                 | 0.2                    | 0.25     | 0.25     | 0.25     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Hydraulic conductivity            | 100                    | 1400     | 1400     | 1400     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Hydraulic Gradient                 | 0.02                   | 0.03     | 0.03     | 0.03     | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Depth of aquifer contributing      | 10                     | 5        | 5        | 5        | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |</p>
<table>
<thead>
<tr>
<th>Parameter</th>
<th>RESRAD-Offsite Default</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Usage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumption</td>
<td>510</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Number of Humans</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>n/a</td>
</tr>
<tr>
<td>Dwelling</td>
<td>225</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Beef Cattle</td>
<td>50</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>No wild game per land use survey.</td>
</tr>
<tr>
<td>Number of Beef Cattle</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>No wild game per land use survey.</td>
</tr>
<tr>
<td>Surface/Well</td>
<td>0/1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Dairy Cattle</td>
<td>160</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Number of Dairy Cattle</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Irrigation Non-Leafy</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Irrigation Leafy</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Irrigation Pasture</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Irrigation Grain</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Irrigation Dwelling</td>
<td>0.2</td>
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<td>0</td>
<td>0</td>
<td>Based on land use survey.</td>
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<tr>
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<td>0</td>
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<td>Based on land use survey.</td>
</tr>
<tr>
<td>Surface Water Body</td>
<td></td>
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</tr>
<tr>
<td>Volume</td>
<td>150000</td>
<td>110000</td>
<td>110000</td>
<td>110000</td>
<td>Based on Surface-water Body layout and an average water depth of 1 meter.</td>
</tr>
<tr>
<td>Ingestion Rates</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Drinking Water Consumption</td>
<td>510/1</td>
<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Fish Consumption</td>
<td>5.4/0.9</td>
<td>16.3/1</td>
<td>16.3/1</td>
<td>16.3/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Crustacea Consumption</td>
<td>0.9/0.5</td>
<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Non-Leafy Consumption</td>
<td>160/0.5</td>
<td>165.2/1</td>
<td>165.2/1</td>
<td>165.2/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Leafy Consumption</td>
<td>14/0.5</td>
<td>118/1</td>
<td>118/1</td>
<td>118/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Meat Consumption</td>
<td>63/1</td>
<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Milk Consumption</td>
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<td>0/1</td>
<td>0/1</td>
<td>0/1</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Soil Consumption</td>
<td>36.5</td>
<td>18.3</td>
<td>18.3</td>
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<td>Livestock Intakes</td>
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<tr>
<td>Water</td>
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<td></td>
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<td>Beef: 50</td>
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<td>Beef: 0</td>
<td>No wild game per land use survey.</td>
</tr>
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<td>Dairy: 0</td>
<td>Dairy: 0</td>
<td>Dairy: 0</td>
<td></td>
</tr>
<tr>
<td>Parameter</td>
<td>RESRAD-Offsite Default</td>
<td>HO3</td>
<td>HO4</td>
<td>HO5</td>
<td>Basis</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Pasture</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. There are no dairy cattle. Beef cattle represent wild game.</td>
</tr>
<tr>
<td>Beef</td>
<td>14</td>
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<td>Dairy</td>
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<tr>
<td><strong>Grain</strong></td>
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<td></td>
<td></td>
<td></td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. There are no grain crops grown.</td>
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<tr>
<td>Beef</td>
<td>54</td>
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<td>Dairy</td>
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<tr>
<td><strong>Soil from Pasture</strong></td>
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<td></td>
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<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. There are no dairy cattle. Beef cattle represent wild game.</td>
</tr>
<tr>
<td>Beef</td>
<td>0.1</td>
<td>Beef: 0.5</td>
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<tr>
<td>Dairy</td>
<td>0.4</td>
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<tr>
<td><strong>Soil from Grain</strong></td>
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<td></td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. There are no grain crops grown.</td>
</tr>
<tr>
<td>Beef</td>
<td>0.4</td>
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<td>Beef: 0</td>
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<tr>
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**Livestock Feed Factors**

<table>
<thead>
<tr>
<th>Wet weight crop yield</th>
<th>Pasture: 1.1</th>
<th>Pasture: 1.1</th>
<th>Pasture: 1.1</th>
<th>Pasture: 1.1</th>
<th>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</th>
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</thead>
<tbody>
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<td>Pasture: 1.1</td>
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<td>Grain: 0.7</td>
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</tr>
<tr>
<td>Non-leafy: 0.1</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafy: 1.5</td>
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<tr>
<td>Weathering removal constant</td>
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<td>Pasture: 18</td>
<td>Pasture: 18</td>
<td>Pasture: 18</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
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<tr>
<td>Pasture: 20</td>
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<tr>
<td>Grain: 20</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-leafy: 20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafy: 20</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Foliar interception factor for irrigation</td>
<td>Pasture: 0.25</td>
<td>Pasture: 0.25</td>
<td>Pasture: 0.25</td>
<td>Pasture: 0.25</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
<tr>
<td>Pasture: 0.25</td>
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<td></td>
</tr>
<tr>
<td>Grain: 0.25</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-leafy: 0.25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leafy: 0.25</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Root depth</td>
<td>Pasture: 0.9</td>
<td>Pasture: 0.9</td>
<td>Pasture: 0.9</td>
<td>Pasture: 0.9</td>
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</tr>
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<td>Pasture: 0.9</td>
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</tr>
<tr>
<td>Grain: 1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-leafy: 1.2</td>
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<td></td>
</tr>
<tr>
<td>Leafy: 0.9</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Inhalation and External Gamma**

| Mass loading | 0.0001 | 0.0000148 | 0.0000148 | 0.0000148 | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
| Indoor to outdoor | 0.4 | 1 | 1 | 1 | Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C. |
## Attachment H65: RESRAD-Offsite 3.1 Inputs Parameters for Homeowner Areas that differ from defaults

<table>
<thead>
<tr>
<th>Parameter</th>
<th>RESRAD-Offsite Default</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>External gamma penetrating factor</td>
<td>0.7</td>
<td>0.273</td>
<td>0.273</td>
<td>0.273</td>
<td>Phase 1 Decommissioning Plan for the West Valley Demonstration Project Rev 2 Attachment C.</td>
</tr>
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</table>

### Occupancy

<table>
<thead>
<tr>
<th>Parameter</th>
<th>RESRAD-Offsite Default</th>
<th>HO3</th>
<th>HO4</th>
<th>HO5</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary contamination indoor</td>
<td>0</td>
<td>0.5000</td>
<td>0.5000</td>
<td>0.5000</td>
<td>Based on land use survey.</td>
</tr>
<tr>
<td>Primary contamination outdoor</td>
<td>0</td>
<td>0.1564</td>
<td>0.1564</td>
<td>0.1564</td>
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</tr>
<tr>
<td>Offsite dwelling indoor</td>
<td>0.5</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Offsite dwelling outdoor</td>
<td>0.1</td>
<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Non-leafy vegetable fields</td>
<td>0.1</td>
<td>0.0417</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Pasture and silage fields</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Livestock grain fields</td>
<td>0.1</td>
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<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>