### Drinking Water

<table>
<thead>
<tr>
<th>Waste Characteristics (WC)</th>
<th>Target (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity/Mobility/Persistence</strong></td>
<td>Nearest Intake</td>
</tr>
<tr>
<td>- Toxicity</td>
<td>Population</td>
</tr>
<tr>
<td>- Chronic</td>
<td>Level I Concentrations</td>
</tr>
<tr>
<td>- Carcinogenic</td>
<td>Level II Concentrations</td>
</tr>
<tr>
<td>- Acute</td>
<td>Potential Contamination</td>
</tr>
<tr>
<td>- Mobility</td>
<td>Resources</td>
</tr>
<tr>
<td>- Water Solubility</td>
<td></td>
</tr>
<tr>
<td>- Distribution Coefficient ($K_d$)</td>
<td></td>
</tr>
<tr>
<td><strong>Persistence</strong></td>
<td></td>
</tr>
<tr>
<td>- Half-life</td>
<td></td>
</tr>
<tr>
<td>- $K_{OM}$</td>
<td></td>
</tr>
</tbody>
</table>

**Hazardous Waste Quantity**
- Hazardous Constituent Quantity
- Hazardous Wastestream Quantity
- Volume
- Area

### Human Food Chain

<table>
<thead>
<tr>
<th>Waste Characteristics (WC)</th>
<th>Targets (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity/Mobility/Persistence/Bioaccumulation</strong></td>
<td>Food Chain Individual</td>
</tr>
<tr>
<td>- Toxicity</td>
<td>Population</td>
</tr>
<tr>
<td>- Chronic</td>
<td>Level I Concentrations</td>
</tr>
<tr>
<td>- Carcinogenic</td>
<td>Human Food Chain</td>
</tr>
<tr>
<td>- Acute</td>
<td>Production</td>
</tr>
<tr>
<td>- Mobility</td>
<td>Level II Concentrations</td>
</tr>
<tr>
<td>- Water Solubility</td>
<td>Human Food Chain</td>
</tr>
<tr>
<td>- Distribution Coefficient ($K_d$)</td>
<td>Production</td>
</tr>
<tr>
<td><strong>Persistence</strong></td>
<td>Potential Human Food</td>
</tr>
<tr>
<td>- Half-life</td>
<td>Chain Contamination</td>
</tr>
<tr>
<td>- $K_{OM}$</td>
<td>- Human Food Chain</td>
</tr>
<tr>
<td><strong>Bioaccumulation Potential</strong></td>
<td>Production</td>
</tr>
</tbody>
</table>

**Hazardous Waste Quantity**
- Hazardous Constituent Quantity
- Hazardous Wastestream Quantity
- Volume
- Area

### Environmental

<table>
<thead>
<tr>
<th>Waste Characteristics (WC)</th>
<th>Targets (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ecosystem Toxicity/Mobility/Persistence/Bioaccumulation</strong></td>
<td>Sensitive Environments</td>
</tr>
<tr>
<td>- Ecosystem Toxicity</td>
<td>Level I Concentrations</td>
</tr>
<tr>
<td>- Ambient Water Quality</td>
<td>Level II Concentrations</td>
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<tr>
<td>- Criteria</td>
<td>Potential Contamination</td>
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<td>- Ambient Aquatic Life</td>
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<td>- Advisory Concentrations</td>
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</tr>
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<td>- Mobility</td>
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<td>- Water Solubility</td>
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</tr>
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<td>- Distribution Coefficient ($K_d$)</td>
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</tr>
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<td><strong>Persistence</strong></td>
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<td>- Half-life</td>
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</tr>
<tr>
<td><strong>Ecosystem Bioaccumulation Potential</strong></td>
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<tr>
<td><strong>Hazardous Waste Quantity</strong></td>
<td></td>
</tr>
</tbody>
</table>
- Hazardous Constituent Quantity
- Hazardous Wastestream Quantity
- Volume
- Area

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**Figure 4-2**

OVERVIEW OF GROUND WATER TO SURFACE WATER MIGRATION COMPONENT