

X

Observed Release

or

Potential to Release

by Overland Flow

- Containment
- Runoff
 - Rainfall
 - Drainage Area
 - Soil Group
- Distance to Surface Water

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Potential to Release

by Flood

- Containment (Flood)
- Flood Frequency

Drinking Water

Waste Characteristics (WC)

Targets (T)

Toxicity/Persistence

- Toxicity
 - Chronic
 - Carcinogenic
 - Acute
- Persistence
 - Half-life
 - K_{ow}
- Hazardous Waste Quantity
 - Hazardous Constituent Quantity
 - Hazardous Wastestream Quantity
 - Volume
 - Area

Nearest Intake Population

- Level I Concentrations
- Level II Concentrations
- Potential Contamination Resources

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Human Food Chain

Waste Characteristics (WC)

Targets (T)

Toxicity/Persistence/Bioaccumulation

- Toxicity
 - Chronic
 - Carcinogenic
 - Acute
- Persistence
 - Half-life
 - K_{ow}
- Bioaccumulation Potential
- Hazardous Waste Quantity
 - Hazardous Constituent Quantity
 - Hazardous Wastestream Quantity
 - Volume
 - Area

Food Chain Individual Population

- Level I Concentrations
 - Human Food Chain Production
- Level II Concentrations
 - Human Food Chain Production
- Potential Human Food Chain Contamination
 - Human Food Chain Production

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Environmental

Waste Characteristics (WC)

Targets (T)

- Ecosystem Toxicity/Persistence/Bioaccumulation
- Ecosystem Toxicity
 - Ambient Water Quality Criteria
 - Ambient Aquatic Life Advisory Concentrations
- Persistence
 - Half-life
 - K_{ow}
- Ecosystem Bioaccumulation Potential
- Hazardous Waste Quantity
 - Hazardous Constituent Quantity
 - Hazardous Wastestream Quantity
 - Volume
 - Area

Sensitive Environments

- Level I Concentrations
- Level II Concentrations
- Potential Contamination

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FIGURE 4-1
OVERVIEW OF SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT