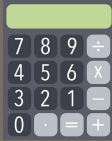


Risk Calculator Input Tips



To calculate the Soil Protective of Groundwater pathway select:

- Resident-Domestic Water Use

To calculate Soil and Groundwater Protective of Indoor Inhalation pathway select:

- Resident-Indoor Inhalation of Vapor Emissions
- Commercial/Industrial -Indoor Inhalation of Vapor Emissions

Surface soil pathway is 0 to 2 feet below ground surface (bgs)

Subsurface soil pathway is 2 feet bgs to water table

*Verify the units used in the calculator

Please refer to the NDRBCA Technical Guidance Document for further information.

- **RBSL-Risk-Based Screening Level**
 - Conservative default screening levels, NDRBCA RBSLs are in Tables 6-1(a), 6-1(b)
- **SSTL-Site-Specific Target Level**
 - Targeted screening levels calculated with the NDRBCA Risk Calculator using site specific information
- **RBTL-Risk-Based Target Level**
 - Final clean up target level protective of human health and the environment
 - RBSLs or SSTLs may become RBTLs
- **SC-Site Characterization**
 - Data collection to delineate impacts in soil, groundwater, soil vapor, surface water, outdoor air, indoor air, etc
- **COC-Contaminant of Concern**
 - Chemical identified as a risk to human health or the environment
- **EM-Exposure Model**
 - Identifies all receptors and routes of exposure that may be impacted by COCs under current and future conditions
 - Review public and private wells within 1/4 mile and surface water bodies within 1,000 feet
- **CSM-Conceptual Site Model**
 - Includes SC and EM, known remedial actions and/or use restrictions, and current and future land use.
- **RA-Risk Assessment**
 - Uses the SC and EM to assess the risk to human health and the environment from routes of exposure and completeness of exposure pathways
- **POE-Point of Exposure**
 - Identified point, i.e. water well, where direct exposure of COCs can occur and impact human health or the environment
- **POD-Point of Demonstration**
 - A point located between the source and the POE where concentrations are measured to demonstrate that concentrations at the POE will not exceed a target level
- **RAP-Remedial Action Plan**
 - Includes CSM and RA to demonstrate a risk-based strategy appropriate for the protection of human health and environment through remediation, mitigation or engineering and institutional controls
- **Tier 1 Evaluation**
 - CSM developed and COCs compared to RBSLs
- **Tier 2 Evaluation**
 - CSM developed, COCs compared to SSTLs calculated using site-specific data, can use Tier 1 updated EM and CSM
- **Tier 3 Evaluation**
 - CSM developed, COCs compared to SSTLs calculated using site-specific data, and fate and transport models