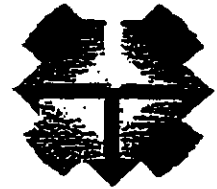




United States Department of Energy
Office of Environmental Policy and Assistance



SITE CONCEPTUAL EXPOSURE MODEL (SCEM) BUILDER

What is a SCEM?

A graphic presentation of how contaminants may be released and transported in the environment, resulting in exposure to human and ecological receptors. SCEMs are used during environmental site investigations as a planning tool for public health and ecological risk assessments.

Why Use a SCEM?

- To develop risk assessment data quality objectives (DQOs)
- Prioritize response actions
- To provide project teams with a tool to support and document project decisions
- To help exchange information among site investigators, stakeholders and agencies

What is the SCEM Builder?

A computer graphics tool that generates SCEMs and associated documentation. Previously, SCEMs were drawn manually by drafting technicians which made it difficult to modify when new site conditions are encountered or debated among decision-makers.

SCEM Builder Benefits

- User-friendly
- Shortens the time required to develop SCEMs
- SCEMS can be modified quickly, in the field, office, or public meeting
- Allows site data, assumptions and uncertainties to be stated in SCEMs

The SCEM Builder and User Manual can be downloaded from the DOE/EH-413 Home Page

<http://tis-nt.eh.doe.gov/oepa/programs/scem.cfm>

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