**QAPP Worksheet #10: Conceptual Site Model**

**(UFP-QAPP Manual Section 2.5.2)**

**(EPA 2106-G-05 Section 2.2.5)**

This worksheet is used to present the project’s conceptual site model (CSM). The CSM is a tool to assist in the development of DQOs. The CSM uses primarily text and/or figures but may also include tables to convey succinctly what is currently known about the site, and it should be updated as new data are collected. As with the QAPP in general, the level of detail in the CSM should be based on the graded approach. If an investigation includes multiple sites with unique characteristics or problems to be addressed, then a separate CSM should be prepared for each site.

The CSM should include the following information:

* Background information, i.e., site history (unless this information is presented in an Executive Summary)
* Sources of known or suspected hazardous waste;
* Known or suspected contaminants or classes of contaminants;
* Primary release mechanism;
* Secondary contaminant migration;
* Fate and transport considerations;
* Potential receptors and exposure pathways;
* Land use considerations;
* Key physical aspects of the site (e.g., site geology, hydrology, topography, climate); and
* Current interpretation of nature and extent of contamination to the extent that it will influence project-specific decision-making.

Data gaps and uncertainties associated with the CSM need to be clearly identified.