PROTOCOL

RFI/RI/BRA DOCUMENT GUIDE

The purpose of the RCRA Facility Investigation/ Remedial Investigation/ Baseline Risk Assessment (RFI/RI/BRA) document is to provide a description of the nature and extent of contamination at the unit, an evaluation of the fate and potential for transport of those contaminants, an assessment of baseline risks, a discussion of conceptual site model uncertainty, the development of remedial action objectives, and the development of remedial goal options. The location of these items in the report is shown in Table 1, below.

Table 1. Overview of the RFI/RI/BRA Document

CHAPTER	DESCRIPTION
1.	The purpose of the report and basic information about the unit under investigation is presented.
2.	The conceptual site model for the unit is discussed.
3.	Information on the broader region surrounding the unit is presented.
4.	The physical and analytical results of the investigation with a focus on the nature and extent of contamination is presented. A screening of the constituents against background concentrations is performed (USCs) and any constituents exceeding ARARs are identified (*preliminary* ARAR COCs). Based on professional judgment, prepare planar maps, cross-sectional plots, or other illustrations for each USC in each exposure group, which will be useful in illustrating the nature and extent of contamination at the unit. At a minimum, plots will be provided for each constituent identified as a *preliminary* COC (ARAR, HH, CM, ECO).
5.	The determination of exposure point concentrations is presented. This information will be used for fate and transport analysis and human health and ecological risk evaluations in the following chapters.
6.	A screening of the constituents against protective soil screening levels is performed (CM COPCs). The technical analysis of the likelihood of transport of the contamination is presented. Based on the technical analysis, *preliminary* CM COCs are identified.

CHAPTER	DESCRIPTION
7.	A screening of the constituents against protective human health concentrations is performed. The constituents, which exceed the screening criteria, are the basis for further human health risk evaluation. Technical analyses of baseline human health risks are presented. Based on the technical analysis, *preliminary* HH COCs are identified.
8.	A site-specific toxicological evaluation will be performed on those constituents which exceed the ecological risk evaluation conducted during the RFI/RI Work Plan. Unit-specific analyses of the toxicological experiments are presented. Based on these analyses, *final* ECO COCs are identified.
9.	Uncertainty associated with the conceptual site model is discussed and *refined COCs* (ARAR, HH, ECO, CM) are selected. The conceptual site model is revised based on the technical and uncertainty analysis.
10.	Remedial action objectives (RAOs) for the unit are identified. Remedial goal options to support the RAOs are presented.
11.	The findings of the primary and secondary source evaluation, natural resource injury evaluation, contaminant migration analysis, human health and ecological risk evaluation, and remedial goal options are summarized.
12.	Bibliography

An annotated outline has been provided as a separate document. It is referenced in the FIP. The contents of this outline have been agreed to by the EPA, SCDHEC and SRS. The latest version of the outline should be used for all RFI/RI/BRA documents.