

PROTOCOL

ARAR Constituents of Concern

Introduction

The following protocol has been developed in order to support the Savannah River Site environmental remediation program. This protocol provides instructions for the analysis of unit-source data for contaminant concentrations, which exceed concentration-based *applicable or relevant and appropriate requirements* (ARARs). These constituents will be identified as ARAR *preliminary* constituents of concern (ARAR COCs).

Details

1. Identify all ARARs for the unit. At a minimum, this list will contain all of the MCLs¹ for groundwater, the AWQSS² for surface waters, and the soil limits for PCBs and lead.
2. For each exposure group, compare the unit-source maximum value to the ARAR value. If the unit-source maximum concentration is greater than the ARAR value, identify the constituent as a *preliminary* ARAR COC for that exposure group. Drop the constituent from further consideration if it is less than the screening value.
3. The constituents retained to this point in the process, identified as *preliminary* ARAR COCs, will be carried forward in the RFI/RI/BRA report for uncertainty analysis and the development of remedial goals, if appropriate.

¹ Maximum Contaminant Levels

² Ambient Water Quality Standards