

PROTOCOL

Contaminant Migration

Constituents of Concern

Introduction

The following protocol has been developed in order to support the Savannah River Site environmental remediation program. The starting point for this protocol is the contaminant migration technical analysis, which consists of using an appropriate fate and transport model to determine the expected groundwater concentration over time. The purpose of this protocol is to determine the constituents, which will be identified as *preliminary* contaminant migration constituents of concern (CM COCs).

Details

1. From the modeling performed for the technical analysis, develop a plot of groundwater concentration over time. Indicate on the plot the appropriate MCL and RBC values for the constituents under review.
2. Determine if the concentration over time exceeds an MCL. If so, then designate the constituent as a *preliminary* CM COC.
3. If there is not an MCL, go to the next step.
4. Determine if the concentration over time exceeds a RBC for tap water. If so, then designate the constituent as a *preliminary* CM COC.