

---

# ALABAMA RISK-BASED CORRECTIVE ACTION GUIDANCE MANUAL

## Summary of Changes – April 2008 – Revision 2

The following is a list of the major changes from the June 2007 version to the April 2008 version of the ARBCA Guidance Manual. This list does not contain every change made and is not intended to be a comprehensive list.

- The Department provided further clarification that certain cleanup programs (specifically CERCLA) may have additional specific requirements or regulations for risk assessment and cleanup criteria.
- A strong emphasis has been placed on the development of a Site Conceptual Exposure Model (SCEM). Details have been added to the guidance that describes the SCEM in greater detail. Additional importance has been placed on developing the SCEM prior to the Preliminary Screening Level (PSL) Evaluation.
- Additional text has been added to the guidance to describe the process of developing a list of Chemicals of Potential Concern (COPCs). Information has also been added describing the process of developing a list of Chemicals of Concern (COCs) from the list of COPCs.
- Additional discussion was added that describes when it is necessary to implement a remediation program at a site in accordance with the Alabama Environmental Investigation and Remediation Guidance (AEIRG).
- The guidance was revised to reflect the overarching cleanup goal of the Department for all remediation programs. This goal is for the attainment of chemical concentrations found in the soil, groundwater, and all other media to levels appropriate for an unrestricted residential land-use scenario. The document also emphasizes that the “overarching cleanup goal” shall not be waived due to difficulty in attaining the clean-up standard within a set period of time.
- The following chemicals located in Tables 2-2, 3-3, and 3-4 were either added to the tables or information relating the chemical was modified:
  - Formaldehyde
  - Methanol
  - HMX (Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine)
  - Propylene glycol
  - RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)
  - Trinitrophenylmethylnitramine
  - 2,4,6-Trinitrotoluene
  - Malathion
  - Fluoride
  - Bromate
  - Dichloroacetic acid
  - Chlorobenzilate
  - Mercury (and compounds, elemental, and methyl)
  - Fluoride
- The “Diffusion Coefficient in Air” values located in Table 3-3 were corrected for all chemicals.