

U.S. EPA Region 8
Announcement of Training Availability:
A Systematic Approach to Ground Water Capture Zone Analysis

Date: September 25, 2007

**Location: EPA Region 8
1595 Wynkoop Street
Denver, CO 80202
2nd Floor Conference Center**

Come hear the latest from EPA's Office of Research and Development (ORD) on the topic of ground water pump and treat system capture zone analysis. This seminar is intended for RCRA and CERCLA project managers and hydrogeologists and others who work on contaminated ground water sites with active pump and treat systems or sites where such systems are in the design phase. The day will consist of two sessions: a morning session from 9:00 am till 12 noon and then an afternoon session from 1:00 pm till 4:00 p.m.

The training seminar will present a systematic approach for the evaluation of capture zones generated by pump and treat systems, and will introduce a new guidance document on the topic being developed by the EPA Office of Research and Development. The training will also discuss the importance of capture zone analysis during ground water remediation, particularly for sites requiring hydraulic containment. The use of "converging lines of evidence" and the iterative nature of the systematic approach will be explained. Six steps associated with this systematic approach for capture zone analysis are proposed.

These steps include the following:

- Step 1: Review site data, site conceptual model, and remedy goals
- Step 2: Define site-specific Target Capture Zone(s)
- Step 3: Interpret water levels
- Step 4: Perform appropriate calculations (flow budget calculation, capture zone width calculation and/or modeling)
- Step 5: Evaluate concentration trends at monitoring wells (and potentially tracer tests)
- Step 6: Interpret actual capture and compare to Target Capture Zone(s), assess uncertainties and data gaps

Registration is required to attend the training. You will need to register online at the following link: www.trainex.org. Although registration is open to everyone, federal and state government personnel will have first priority.

If you have any questions about the training, please contact Tom Aalto, RCRA RPM at (303) 312-6949 or Marcella DeVargas, RCRA Training Coordinator at (303) 312-6161.