

**interoffice**  
M E M O R A N D U M

**to:** File  
**from:** Kim T. Hill, Environmental Engineer  
**subject:** TA 3 RFI Report: 3-004(c)  
**date:** June 30, 1998

During the review of the RCRA Facility Investigation Report (LAUR-97-3571) for TA 3 dated September 1997, it was noted that one soil sample (sample identification 0103-97-0280) at 3-004(c) indicated the presence of aluminum (10,800 ppm) greater than its background value (7,340 ppm) and near to its risk-based concentration (RBC)<sup>1</sup> (7,700 ppm).

Although the aluminum concentration at 3-004(c) is more than likely a viable "hit" (elevated concentration of a contaminant), the risk to human health and the environment associated with it is deemed negligible for the following reasons:

- source type (dumpster storage area)
- industrialized area with minimal ecological impacts
- low toxicity of the analyte
- localized area of contamination (several other samples nearby did not show the presence of aluminum in concentrations greater than background)
- background value very close to the RBC
- depth of the sample (14-18 inches)

Therefore, the extent of contamination for aluminum at 3-004(c) was not pursued.

<sup>1</sup>The RBC was derived from one tenth of the EPA Region 6 Human Health Screening Action Level of 77,000 ppm for non-carcinogens.



1/1114/3 3-004

TL

CONFIDENTIAL