

# Los Alamos

Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

## memorandum

TO: Robert Gonzales, HSE-13, MS K481                      DATE: May 31, 1991

THRU: Ron Conrad, HSE-8, MS K490 *RC*                      MAIL STOP/TELEPHONE: K490/7-0815

FROM: ~~Paul Cresquez~~, HSE-8 *MC*                      SYMBOL: HSE-8:91-900

SUBJECT: **RESULTS OF AN ENVIRONMENTAL RESTORATION INTERIM ACTION (ERIA)  
RECONNAISSANCE SURVEY AT THE SITE OF THE WEAPONS ISOTOPE  
SEPARATOR FACILITY AT TA-48**

On April 4, 1991, the Environmental Restoration Group (HSE-13) collected five soil surface and five subsurface samples from the proposed site of the new Weapons Isotope Separator Facility at TA-48. The proposed area measured 40 wide x 100 feet long and is located 20 feet away from the north side of Building TA-48-8.

Soil samples were screened for gross alpha, beta and gamma radioactivity before they were submitted to the Health and Environmental Chemistry Group (HSE-9) for the analysis of Toxicity Characteristic Leaching Procedure (TCLP) metals (Ag, As, Ba, Cd, Cr, Hg, Pb and Se), and Resource Conservation and Recovery Act (RCRA) target volatile (VOC), semivolatile (SVOC) and polychlorinated biphenyl (PCB) compounds.

Levels of gross alpha, beta and gamma radioactivity were all at background levels. All TCLP metals were below Environmental Protection Agency (EPA) guidelines found in 40 CFR 261.24. No SVOC's or PCB compounds were detected in any of the samples collected. Trace amounts of VOC's, namely p-isopropyltoluene (p-Cymene), isopropylbenzene (cumene), and trichlorotrifluoroethane (Freon) were detected at < 52 ppb. There were no EPA action level guidelines listed for these RCRA listed waste materials, however.

PF:RC/gr



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May 31, 1991

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