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PETER MAGGIORE
SECRETARY

MEMORANDUM

TO: James P. Bearzi, Bureau Chief, Hazardous Waste Bureau
FROM: Kirby Olson, risk assessor, Hazardous Waste Bureau
SUBJECT: **QUICK NOTES ON BEAD METAPHOR RESPONSE**
DATE: September 26, 2001

HSWA ANL 4/1049 / Acid Canyon
LA Canyon

Site	Plutonium Remediation Goal (pCi/g)	Basis
"UC"-Big Tree Parks	2.5	Higher than max detect at park of 1pCi/g (no cleanup done)
Rocky Flats*	Action Levels: >651 = remediate <115 = no action needed	Industrial & open space-actual goal depends on size of area
Other LANL SWMUs	variable	Removed rad septic tanks-no set pCi/g goal established
Acid Canyon	280	Child playing 1200 hours in Canyon

Child playing scenario is based on 6 years' exposure for 200 hours a year. Child ingests high level of soil but no food pathways.

*These are interim action levels set by DOE, US EPA, and CO Dept. of Health, which will probably be revised to lower numbers. Concentrations between these values may be addressed in a variety of ways. These action levels are not the remediation goal, which is not a set number and depends on the size and concentration of the plutonium contamination (small concentrated areas can feasibly be cleaned to much lower levels than large diffuse areas). The 35 pCi/g was a recommendation from a contractor (Risk Assessment Corporation-RAC) based on a residential rancher exposed to a very high level of dust; it has not been adopted by the agencies involved with the site. I obtained this information from my conversation with Jeremy Karpatkin of DOE at Rocky Flats.



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