



079226
91-485

Department of Energy
Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831-8723

July 5, 1991

Mr. Dave Bedan
Missouri Department of Natural Resources
205 Jefferson Street
12th Floor, Jefferson Building
Jefferson City, MO 65102

Dear Mr. Bedan:

URANIUM CLEANUP GUIDELINES FOR THE ST. LOUIS SITE

At our meeting of June 4, I agreed to provide information on DOE's development of a uranium cleanup guideline for the St. Louis site. Enclosed is a report prepared by Argonne National Laboratory for DOE which calculates a uranium guideline in soil for various exposure scenarios such as residential and industrial use. The values reported range from a low of 210 picocuries per gram (pCi/g) to a high of 880 pCi/g uranium 238 for these various scenarios and were based on the requirement that the dose for a hypothetical individual who lives or works in the immediate vicinity of these sites would not exceed a dose of 100 mrem/yr following cleanup. Also included is a copy of the guidance manual which is used by the program to develop uranium guidelines, a DOE memo which proposes a value of 75 pCi/g after application of the as low as reasonably achievable (ALARA) concept and another DOE memo which approves a value of 50 pCi/g for the St. Louis site. As indicated in the work plan for the St. Louis site, a uranium cleanup guideline of 50 pCi/g is being assumed for planning purposes.

If there are any questions, please contact me at 615-576-9634.

Sincerely,

A handwritten signature in black ink, appearing to read "David G. Adler", is written over the typed name.

David G. Adler, Site Manager
Former Sites Restoration Division

Enclosures

cc: S. D. Liedle, BNI

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Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for the St. Louis Airport and
Latty Avenue Sites, Missouri



U.S. Department of Energy