



Department of Energy
Office of Legacy Management

JUL 22 2005

WM-73

Ms. Madeline Roanhorse, Director
Division of Natural Resources
Navajo UMTRA Program
P.O. Box 1875
Window Rock, AZ 86515

Subject: *Annual Performance Evaluation of Ground Water Remediation from March 2004 through March 2005 at the Tuba City, Arizona, Disposal Site*

Dear Ms. Roanhorse:

Enclosed is the *Tuba City, Arizona, Land Management Project Site Annual Performance Evaluation of Ground Water Remediation* report. The report shows that during the 1-year period, the water treatment system operated 88 percent of the time, treating over 48 million gallons of ground water. The overall system has proven to be highly effective, removing 102 pounds of uranium and over 500,000 pounds of nitrates and sulfates from the ground water during this period. After treatment, the system returned approximately 93 percent of the water to the shallow ground water aquifer via the infiltration trench. Total dissolved solids ranged from 40 to 80 mg/l, and chloride concentrations were generally less than 2 mg/l.

If you have any questions or comments or need additional copies of the report, please call me at 970/248-6073.

Sincerely,

Richard P. Bush 7/21/05

Richard Bush
Site Manager

Enclosure

cc w/enclosure:

J. Lusher, NRC
Tuba City Library
Project File TUB 700.05.15 (D. Roberts)

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Department of Energy
Office of Legacy Management

JUL 22 2005

Mr. Norman Honie
The Hopi Tribe
Office of Mining & Mineral Resources
P.O. Box 123
Kykotsmóvi, AZ 86039

Subject: *Annual Performance Evaluation of Ground Water Remediation from March 2004 through March 2005 at the Tuba City, Arizona, Disposal Site*

Dear Mr. Honie:

Enclosed is the *Tuba City, Arizona, Land Management Project Site Annual Performance Evaluation of Ground Water Remediation* report. The report shows that during the 1-year period, the water treatment system operated 88 percent of the time, treating over 48 million gallons of ground water. The overall system has proven to be highly effective, removing 102 pounds of uranium and over 500,000 pounds of nitrates and sulfates from the ground water during this period. After treatment, the system returned approximately 93 percent of the water to the shallow ground water aquifer via the infiltration trench. Total dissolved solids ranged from 40 to 80 mg/l, and chloride concentrations were generally less than 2 mg/l.

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