

**CONTAMINANTS OF CONCERN IN THE  
TEST AREA NORTH GROUNDWATER**

1987 - 1990

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CONTAMINANTS OF CONCERN IN THE  
TEST AREA NORTH GROUNDWATER

Attached is a list of the contaminants of concern in the Test Area North groundwater. These contaminants have been found during well sampling at TAN from 1987 to 1990. The four of these contaminants (trichloroethylene, tetrachloroethylene, lead, and strontium) have been found at levels above drinking water standards at more than one well in the area. The interim action on the injection well will focus on these four contaminants. The other contaminants will be considered under the Remedial Investigation/Feasibility Study for the Test Area North Groundwater. Actual field data are contained in a memo summarizing the work done under the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) from 1987 to 1990. This memo is also located in Information Repositories and the Administrative Record.

List of contaminants of concern in the TAN groundwater system<sup>a</sup>

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Organics and Inorganics

Acetone  
1,1-dichloroethylene  
1,2-dichloroethylene  
Tetrachloroethylene  
Trichloroethylene  
1,1,1-trichloroethane  
Aluminum  
Barium  
Chlorides  
Chromium  
Copper  
Iron  
Lead  
Manganese  
Mercury  
Nickel  
Sulfates  
Zinc

Radionuclides<sup>b</sup>

Cesium-137  
Cobalt-60  
Strontium-90  
Tritium (hydrogen-3)

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a. The data that support this list of contaminants are contained in the appendices of the Memorandum summarizing activities under the Resource Conservation and Recovery Act (RCRA) Facility Investigation. The contaminants were identified from validated data from 1989 and 1990 groundwater sampling and include only those contaminants that were found in both years. Contaminants found in only one year at low levels (<15 ppb) or in the unvalidated 1990 sludge data were not included in this list because they were not considered to be significant problems. These contaminants included methylene chloride, chloroform, toluene, 2-Butanone, 1,2-dichloroethane, and carbon tetrachloride.

b. These contaminants have been found in the groundwater and/or the sludge. Three other radionuclides found in the sludge were not included in this list because they were not found in the groundwater (americium-241, europium-154, and plutonium-239). However, the groundwater is still being monitored to verify that these radionuclides are not present in the groundwater.

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