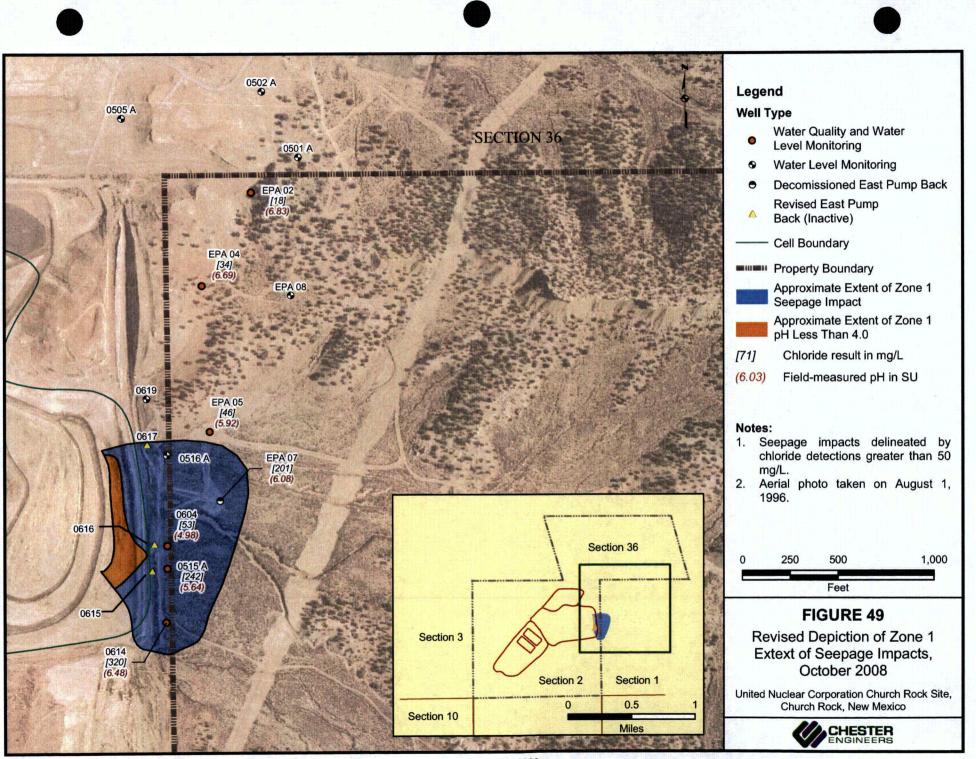


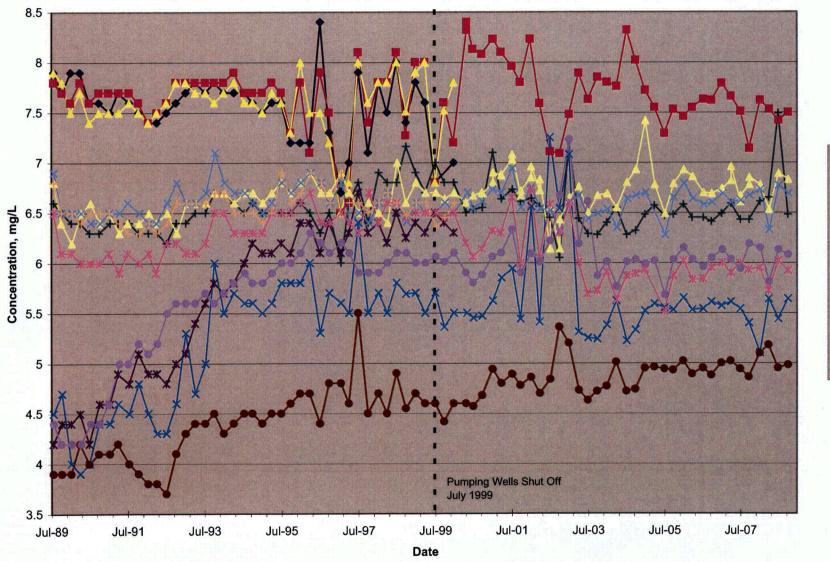
Z:\databases\6209\_GE\_CR\GISDATA\arcmap\_doc\2008\_annual\_report\f49\_z1\_seepage\_2007.mxd; January 16, 2009



Z:\databases\6209\_GE\_CR\GISDATA\arcmap\_doc\2008\_annual\_report\f49\_z1\_seepage.mxd; January 16, 2009



FIGURE 50 Zone 1 pH Over Time United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico



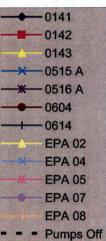
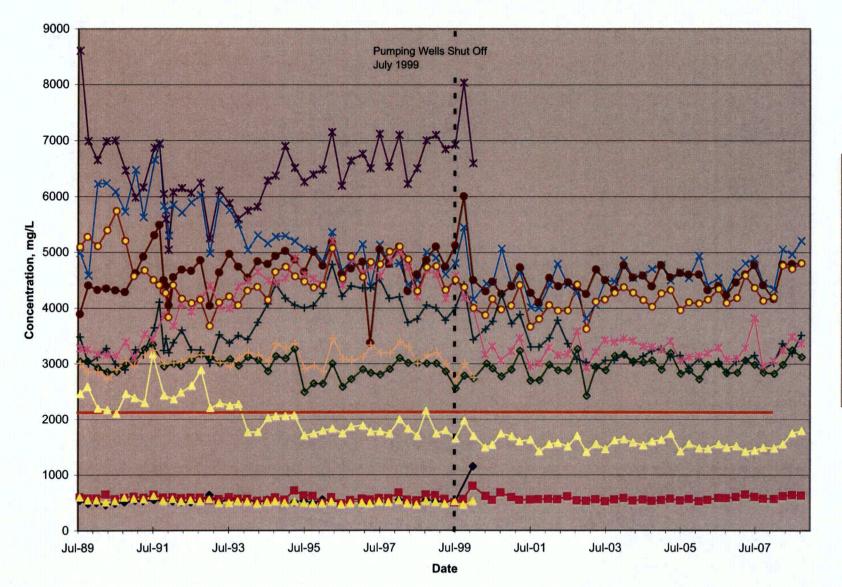
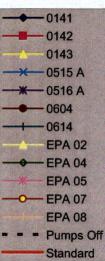
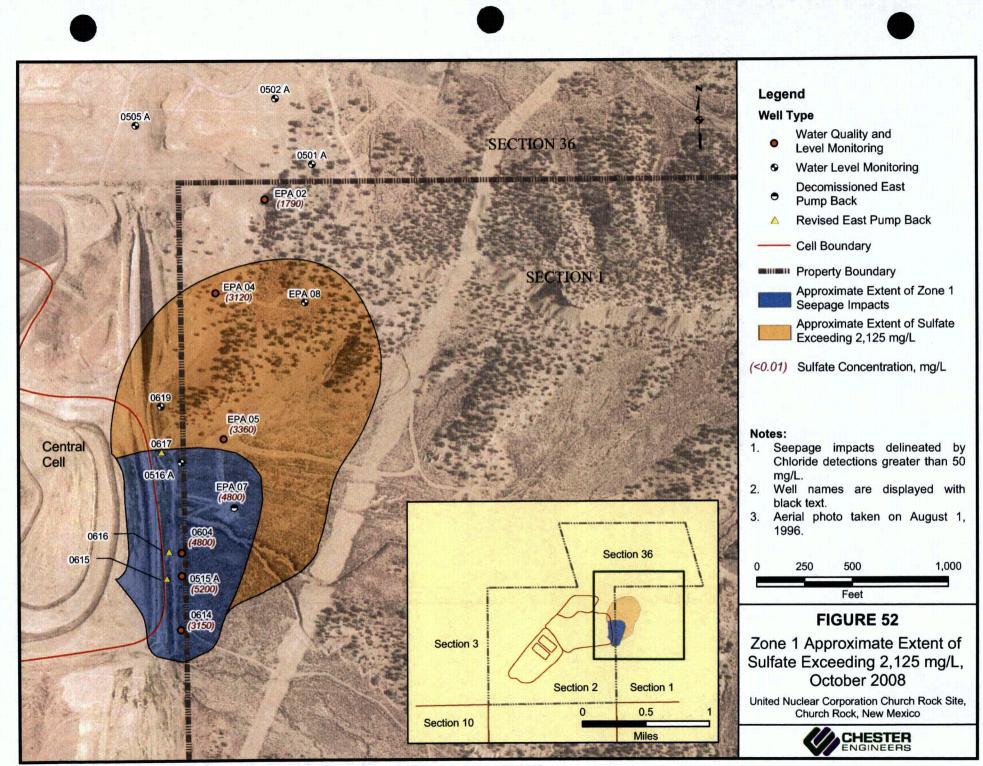


FIGURE 51 Zone 1 Sulfate Concentrations Over Time United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico







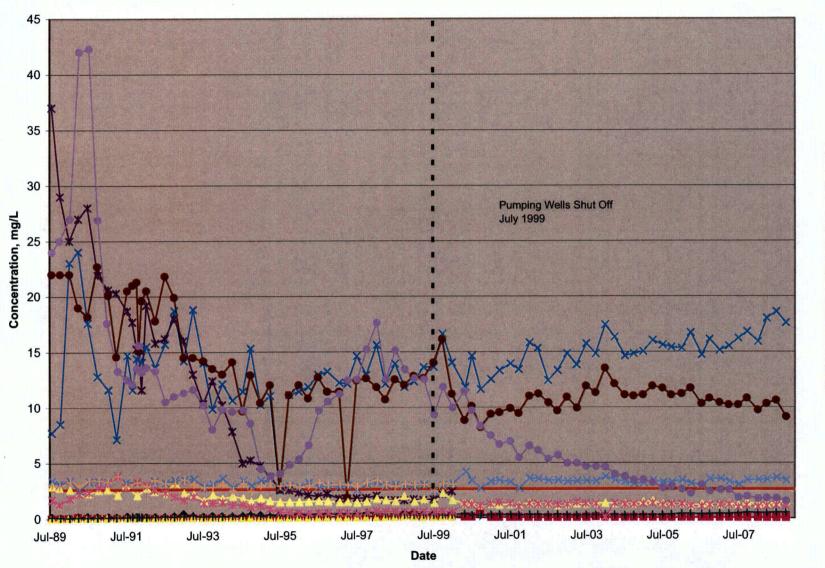
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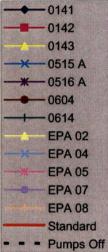


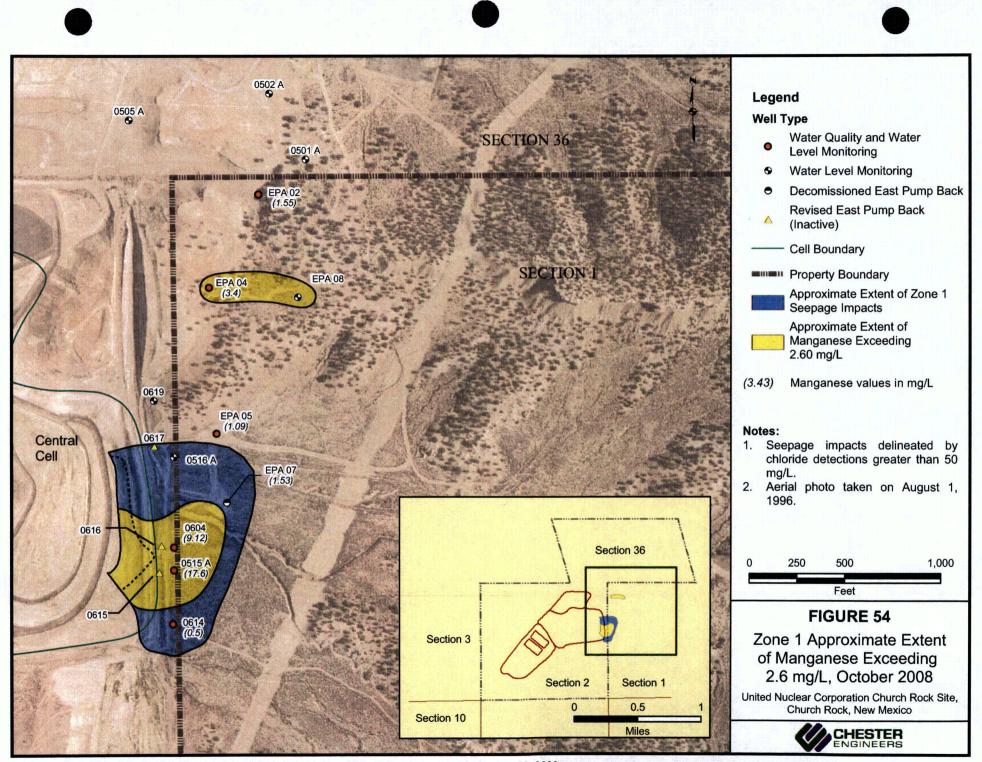


## **FIGURE 53**

Zone 1 Manganese Concentrations Over Time United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico





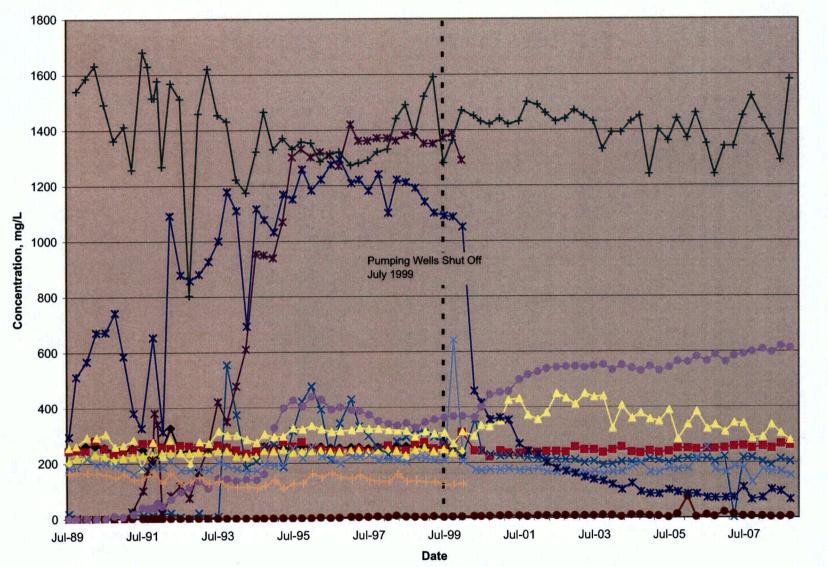


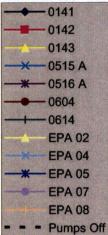
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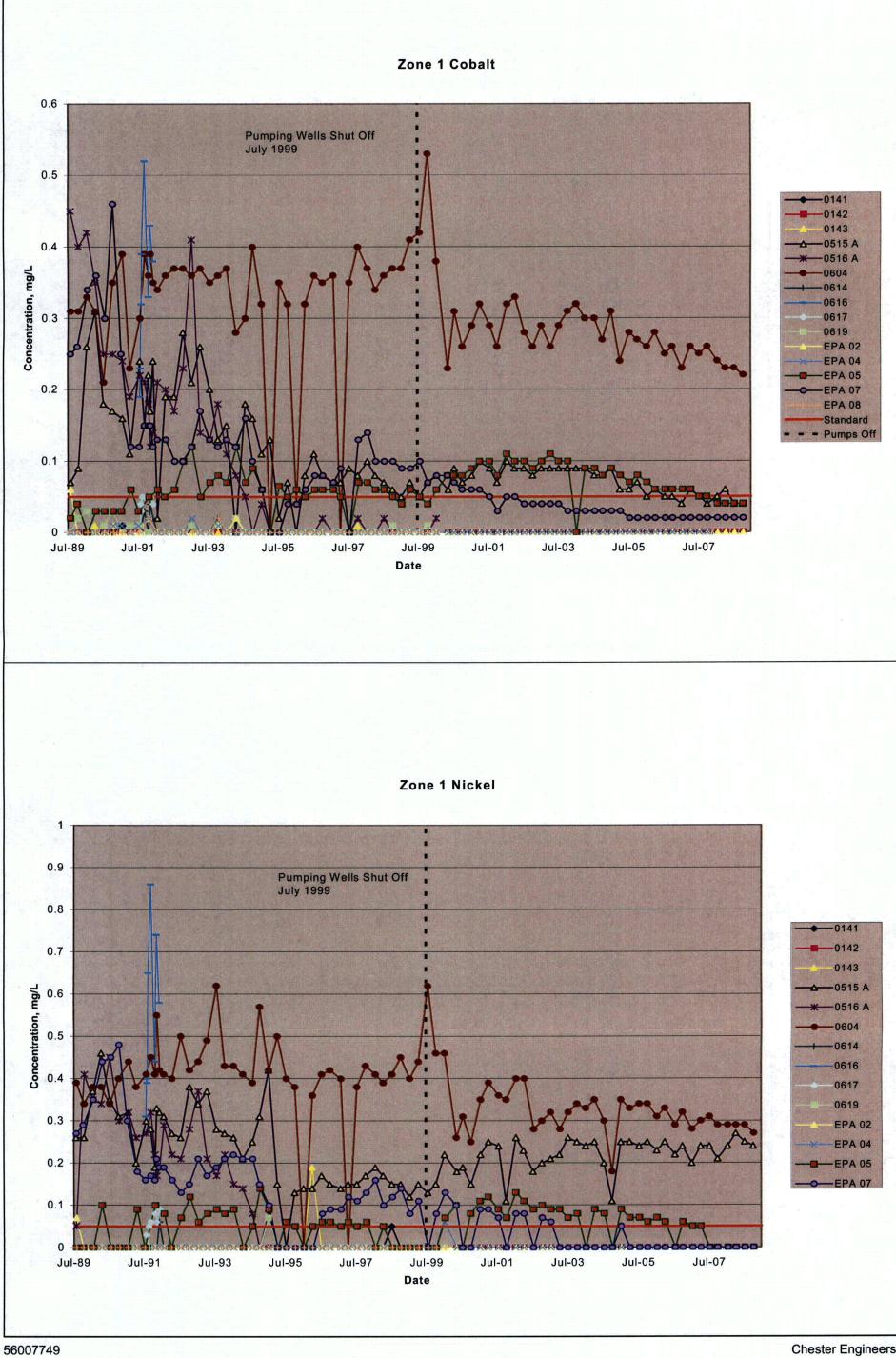


FIGURE 55 Zone 1 Bicarbonate Concentrations Over Time United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico

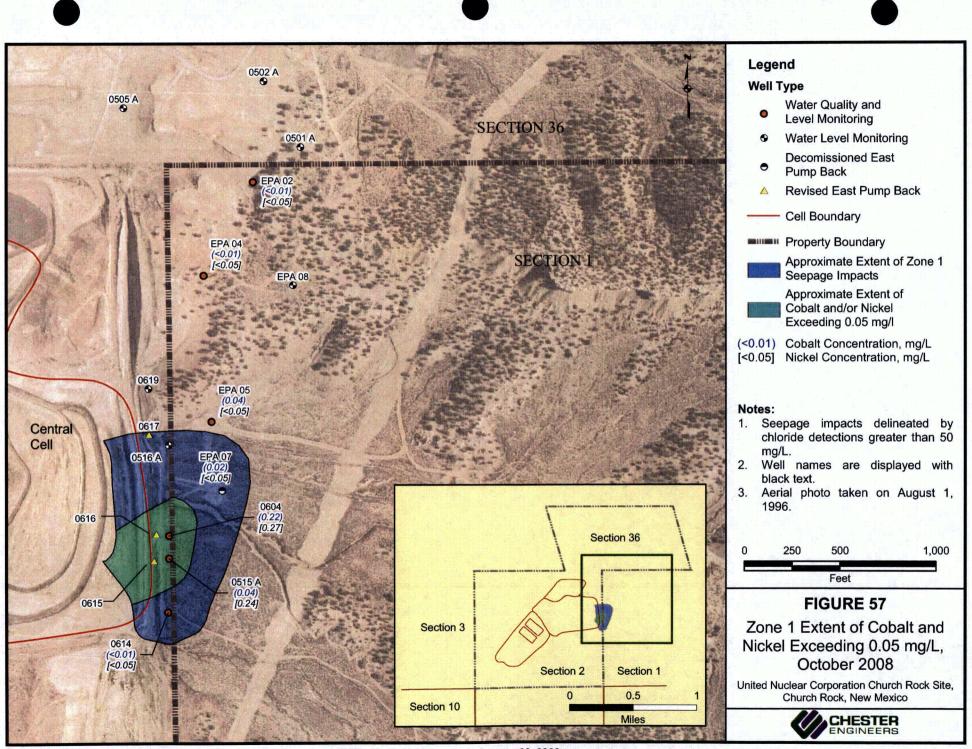




**FIGURE 56** Zone 1 Cobalt and Nickel Concentrations over Time United Nuclear Corporation Church Rock Site, Church Rock, New Mexico



**Chester Engineers** 



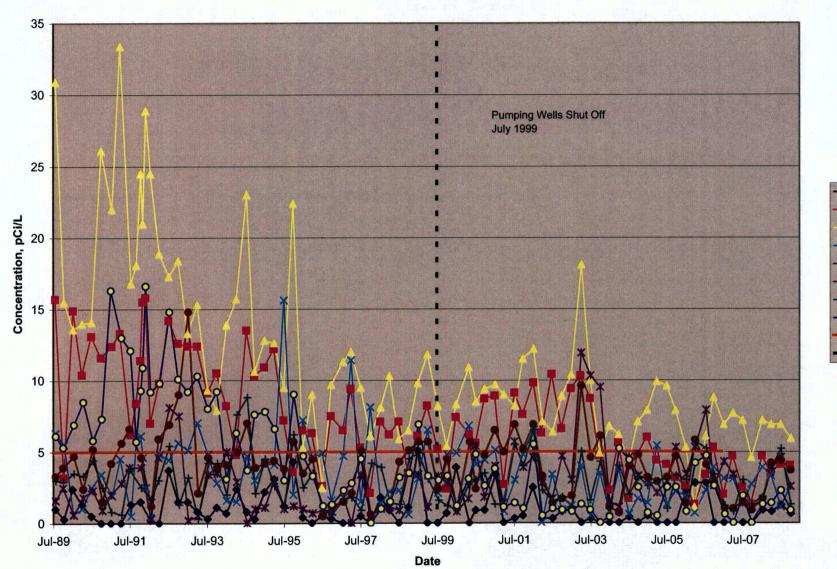
Z:\databases\6209\_GE\_CR\GISDATA\arcmap\_doc\2008\_annual\_report\f57\_z1\_coni\_contour.mxd; January 20, 2009

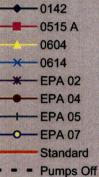




## **FIGURE 58**

Zone 1 Combined Radium-226 and Radium-228 Over Time United Nuclear Corporation, Church Rock Site, Church Rock, New Mexico





**The Proposed Technical** Impracticability Zones are for Sulfate and Total Dissolved Solids, which are Non-Hazardous Constituents

Proposed Tech

Impracticab Waiver Zon

ECTION 36

North Cell

**Central Cell** 

SECTION 10

## Legend

Section Boundary Property Boundary

**Tailings Pond** 



Groundwater with pH <= 4

Seepage-Impacted Groundwater



**Proposed Technical Impracticability** Waiver Zone

I \_\_\_\_ Seepage Impact in 2204

Extrapolated Extent of Seepage Impact in Southwest Alluvium in 2204

## Notes:

- 1. Extrapolated Extent of Southwest Alluvium Seepage Impact in 2204 based upon an average annual seepage impact advance of 30 feet per year.
- 2. Aerial photo taken on August 1, 1996.

