

100-BC-5: Groundwater Performance

E_M Environmental Management

safety • performance • cleanup • closure



Overview

Levels of contamination in 100-B Area groundwater are not high enough to warrant interim remedial actions like pump-and-treat systems. However, concentrations of chromium, strontium-90, and tritium remain above regulatory standards in some wells.

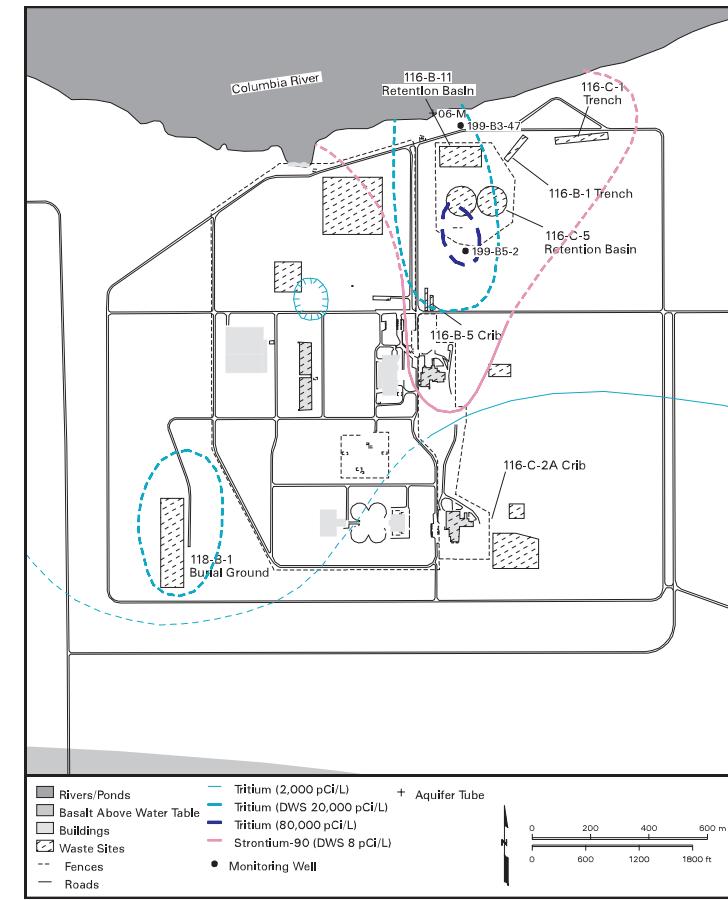
Limitations

There are relatively few monitoring wells in the 100-B Area. DOE is adding new wells to investigate areas where contamination was found in the unsaturated soils

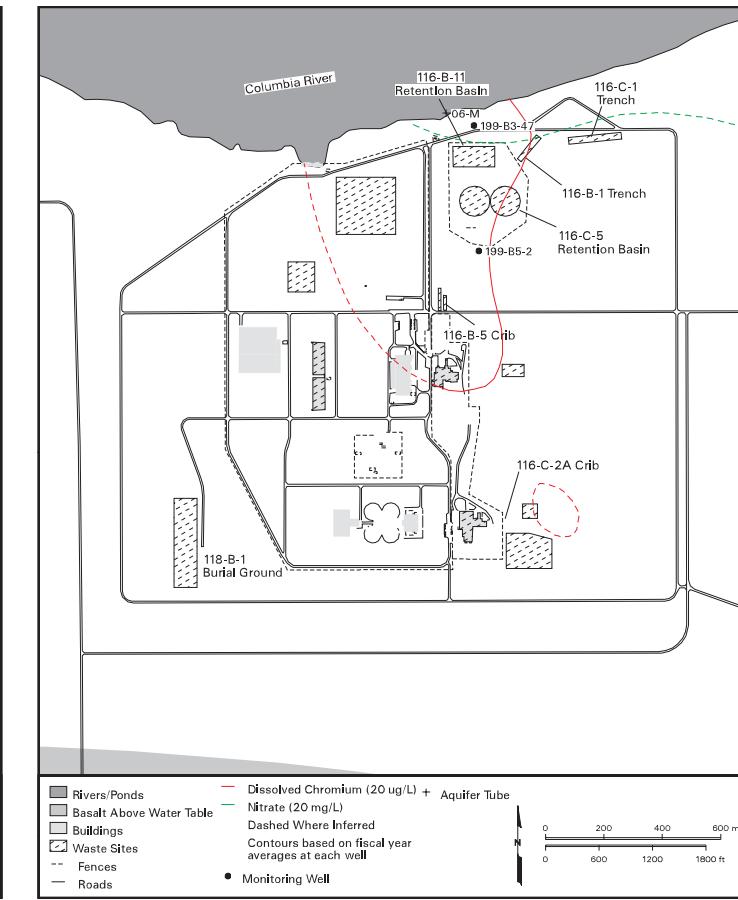
Conclusions

Contaminant concentrations are steady or decreasing in most wells. However, some variability in tritium concentrations remains unexplained.

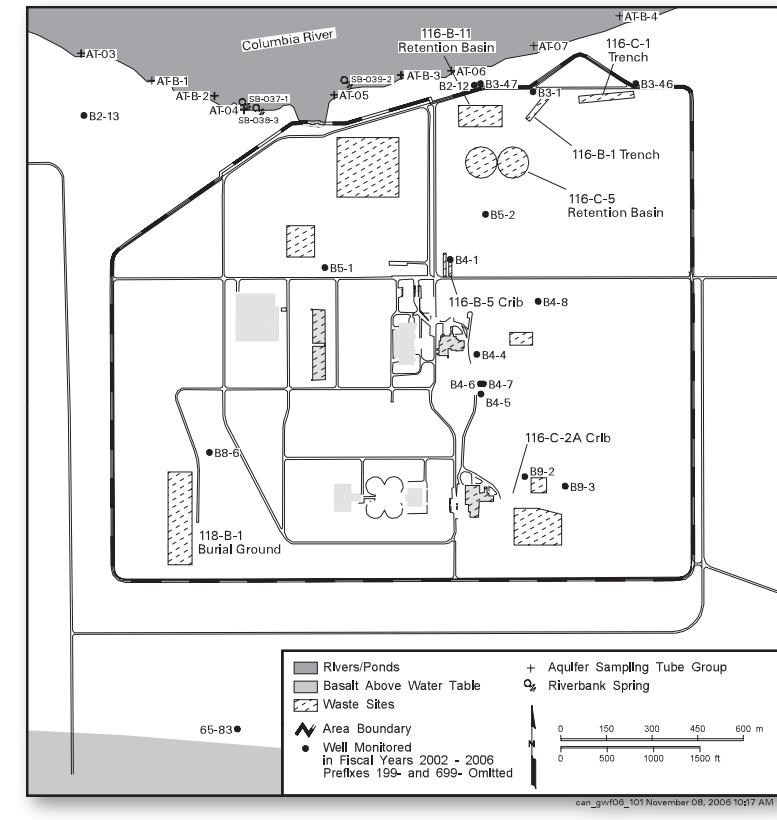
Radionuclides FY-2006



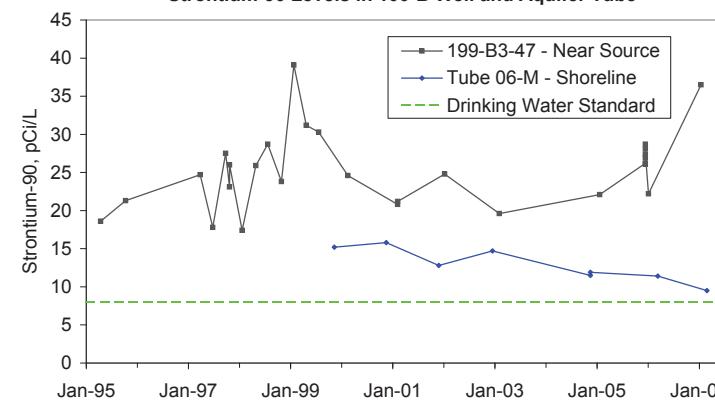
Hazardous Chemicals FY-2006



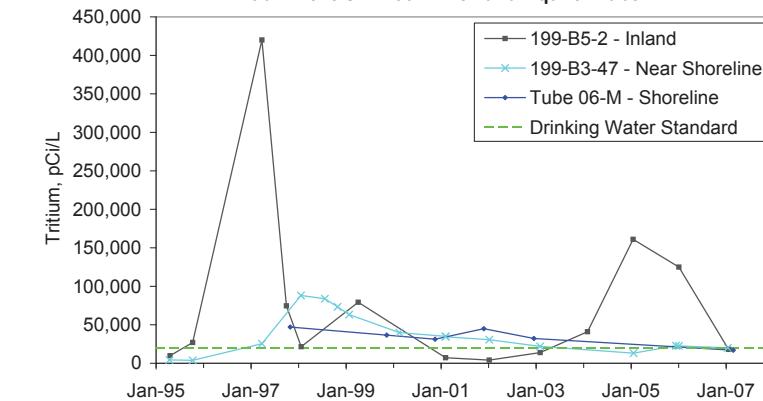
Groundwater Monitoring Wells



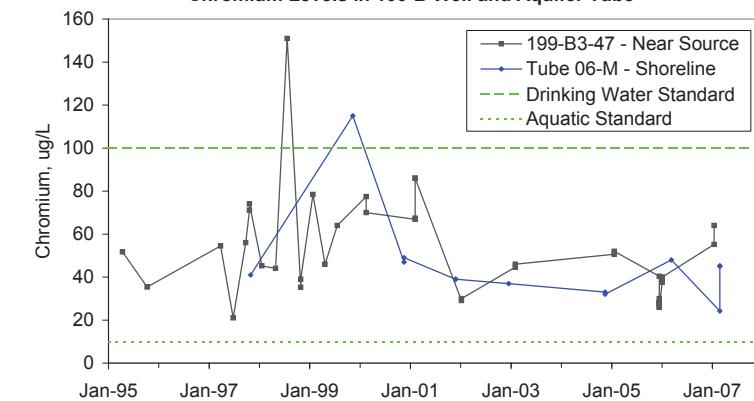
Strontium-90 Levels in 100-B Well and Aquifer Tube



Tritium Levels in 100-B Well and Aquifer Tube



Chromium Levels in 100-B Well and Aquifer Tube



Fluor Hanford

Soil & Groundwater Remediation Project