

SAMPLING PLAN  
NEMO WORKCENTER CLEANUP

SURFACE WATER SAMPLING

In order to determine if surface waters are affected by the potential hazardous material, water samples will be taken upstream and below stream of the Nemo Workcenter drainage area on Boxelder Creek. All water samples (both surface and ground water) will be analyzed by a certified lab, hopefully found locally in order to avoid delays in analysis. These samples will be analyzed for Ethylene dibromide (EDB) and Lindane which are the potential materials that were buried at the site. If these materials are found additional sampling will be taking for the presence of diesel which was believed to be used along with the insecticides. Due to the water soluble nature of the pesticides we do not expect to find these materials in surface waters.

Additional samples will be taken during and after the clean up work has been completed.

GROUND WATER SAMPLING

As a preliminary site analysis we have identified 14 different facilities that should be analyzed as potential areas that could have wells affected by the burial of the material (some houses or buildings may share wells so samples may not be 14). Generally we are sampling all properties south and west of Boxelder Creek within the townsite of Nemo. These properties include: six private residences, automobile repair shop, a converted school house, church, post office, volunteer fire hall, guest ranch, Forest Service Recreation Residence, and Forest Service workcenter with full time residences and daytime workforces.

Wells on private land as well as public land will be sampled for EDB and Lindane prior to any excavation work to locate and remove the potential hazardous material. Additional samples will be taken as the removal progresses and after the project is completed. An additional sampling will be taking after a water cycle is completed (generally after spring runoff and early summer rains have worked through the soil. As the project develops there may be cause for a more intensive sampling program depending upon if and where the hazardous material is located.

Sampling of private wells will be done by trained Forest Service Employees or by the removal contractor. The sampling will be paid for by the Forest Service as part of this project and lab results will be made available to the landowner or occupant.

SOIL SAMPLING

Soil sampling of the pits will be the responsibility of the removal contractor. The samples will be sent to a certified lab for analysis. Each pit will have as a minimum two samples per pit to determine the correct remediation for the potential hazardous material found in the pit. Sampling will be for EDB, Lindane and petroleum products.