PLAN OF ACTION - HPL WELL AND SPRING SAMPLING PROJECT

Wells/Springs to be Sampled:

Springs:

Sweetwater Spring (4M-1946)

Red Willow Springs (4K-387)

Wells:

(4T-383) - Sarah Begay

(4M - 144A) - Roberta Blackgoat

(4K - 380) - Whitewater and Blackrocks

(4K - 384) - Well South of Sweetwater Spring

(2 - 5 - 1) - Demolished well East of Roberta Blackgoat

Personnel Requirements:

Ron Morgan, Water Rights Hydrologist
Larry Dashee, Water Resources Technician
Betty Poley, Water Resources Technician
Danford Wadsworth, Water Resource Specialist
Emmett Navakuku, Range Water Director

Chemicals to be Tested:

Field Parameters:

Temperature
pH
Electroconductivity
Alkalinity

Laboratory Parameters:

Inorganic Chemicals
Asbestos (if ACP piping is present)
Lead and Copper
Synthetic Organic Chemicals
Radionuclides
Coliform Bacteria
Volatile Organic Chemicals

Water Resources staff will sample the required amount of water from each well or spring. The samples will be properly preserved with nitric and sulfuric acid and by refrigeration (for the bacteria). The required chain of custody forms will be affixed to all the samples. Additional water will be sampled for measurement of field parameters by Water Resources staff.

The samples will be delivered to the USGS field office in Flagstaff for shipment to the USGS laboratory in Tucson. Upon receipt of the laboratory analyses and findings, staff will report to the Tutsqua Team. The Tutsqua Team and the Range Water Director will determine what repairs will be required, based upon laboratory results, providing the water is suitable for domestic use.

The Water Resources staff will attempt to secure well completion logs and data on the windmills, (e.g, depth, sanitary seal, casing size and material, and geological formation producing the water). This summary information will be appended to the laboratory reports.