In 2004, monitoring results indicated that the PWS and the permitted water hauling trucks complied with National Primary Drinking Water Quality Standards (Table 4-10). Two of the water systems slightly exceeded a Secondary Standard for pH. State of Nevada regulations do not include notification requirements for exceeding the pH standard.

Table 4-10. Water quality analysis results for NTS public drinking water systems in 2004

Contaminant	Maximum Contaminant Level (mg/L)	Results (mg/L) Area 23 and 6 PWS [a]	Area 12 PWS	Area 25 PWS
Coliform Bacteria [b]	Coliforms present in 1 sample/month	Absent in all samples	Absent in all samples	Absent in all samples
Nitrates	10	BDL[c] - 4.3	1.4	2
Organic Contaminants				
Vinyl chloride	0.0002	BDL	BDL	BDL
Benzene	0.005	BDL	BDL	BDL
Carbon tetrachloride	0.005	BDL	BDL	BDL
1,2-Dichloroethane	0.005	BDL	BDL	BDL
Trichloroethylene	0.005	BDL	BDL	BDL
para-Dichlorobenzene	0.075	BDL	BDL	BDL
1,1-Dichloroethylene	0.007	BDL	BDL	BDL
1,1,1-Trichloroethane	0.2	BDL	BDL	BDL
cis-1,2-Dichloroethylene	0.07	BDL	BDL	BDL
1,2-Dichloropropane	0.005	BDL	BDL	BDL
Ethylbenzene	0.7	BDL	BDL	BDL
Monochlorobenzene	0.1	BDL	BDL	BDL
o-Dichlorobenzene	0.6	BDL	BDL	BDL
Styrene	0.1	BDL	BDL	BDL
Tetrachloroethylene	0.005	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL
trans-1,2-Dichloroethylene	0.1	BDL	BDL	BDL
Xylenes (total)	10	BDL	BDL	BDL
Dichloromethane	0.005	BDL	BDL	BDL
1,2,4-Trichloro-benzene	0.07	BDL	BDL	BDL
1,1,2-Trichloro-ethane	0.005	BDL	BDL	BDL
Disinfection Byproducts				
Total Trihalomethanes: (bromodichloromethane, chloroform, dibromochloromethane, trichlorofluoromethane)	0.08	0.0066	BDL	BDL
Haloacetic Acids (HAA5): (monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, mono-bromoacetic acid, dibromoacetic acid)	0.06	0.0011	BDL	BDL

Table 4-10. (continued)

Contaminant	Maximum Contaminant Level (mg/L)	Results (mg/L) Area 23 and 6 PWS [a]	Area 12 PWS	Area 25 PWS
Phase V Inorganic Contaminants				
Antimony	0.006	BDL	BDL	BDL
Beryllium	0.004	BDL	0.00029	BDL
Nickel	None	1.5 - 7.0[b]	BDL	2.4
Thallium	0.002	BDL	BDL	BDL
Cyanide	0.2	BDL	BDL	BDL
Secondary Standards				
Copper	1.0	<0.001 - 0.022	0.002	<1.0
Iron	0.3	<0.02 - 0.25	0.167	0.16
Magnesium	125.5	8.0 - 24.0	1.04	1.2
Manganese	0.05	<0.00002 - 0.0036	0.00008	0.0043
Zinc	5.0	<0.00005 - 0.0062	0.00001	<0.005
Fluoride	2.0	0.9 - 1.0	0.89	1.9
Chloride	250.0	11.0 - 23.0	9.4	6.8
Sulfate	250.0	24.0 - 40.0	15.3	21
pH	6.5 - 8.5	7.68 - 8.73	7.84	8.52
Color	15.0 color units	< 5.0 color units	3 color units	<5.0
Odor	3.0 threshold odor number	< 1.0 odor number	ND	<1.0
TDS	500	300 - 380	150	230
Foaming Agents	0.05	ND	ND	ND
Lead (Area 12 PWS only)	0.015	NA[d]	0.0085	NA
Copper (Area 12 PWS only)	1.3	NA	0.062	NA
Fluoride (Area 25 PWS only)	4.0	NA	NA	1.8 - 2.4

Highlighted cells indicate those water quality results which exceeded maximum contaminant levels

(a) Coliform bacteria were not present in any samples collected from Water Hauling Trucks 84846 and 84847 nor from the following private water systems: JASPER Compound, U3ah/at Complex, Area 6 Weather Station, and G Tunnel Office

(b) Multiple samples analyzed at Area 23 and 6 PWS throughout year. Results show lowest and highest concentration of contaminant among samples analyzed.

(c) BDL = below detection limits

(d) NA = Not applicable

4.2.1.2 Sanitary Survey of PWS and Inspection of Permitted Water Hauling Trucks

The BHPS conducts a periodic sanitary survey of the permitted PWS. A sanitary survey consists of an inspection of the wells, tanks, and other visible portions of the PWS to ensure that they are maintained in a sanitary configuration. As non-community water systems, the minimum survey frequency for a sanitary survey is five years. The BHPS has