

Table 4.18. Y-12 Plant Discharge Point SS6, Sanitary Sewer Station SS-6 nonradiological summary, 1995

Parameter	No. of samples	Concentration ^a			Reference value ^b	No. of values exceeding reference
		Max	Min	Av		
Flow, ^c gpd	363	1,884,810.0	466,617.0	817,958.1	<i>d</i>	<i>d</i>
pH, standard units	54	8.0	6.9	<i>d</i>	9–6 ^e	0
Silver	54	0.041	<0.006	<0.008	0.1	0
Boron	54	0.06	0.02	0.03	<i>d</i>	<i>d</i>
Cadmium	54	<0.004	<0.004	<0.004	0.00024	54 ^f
Cyanide	54	0.048	<0.01	<0.01	0.007	54 ^f
Chemical oxygen demand	54	140.0	<20.0	<60.8	<i>d</i>	<i>d</i>
Chromium	54	0.007	<0.006	<0.006	0.44	0
Ion chromium (Cr+6)	54	<0.01	<0.01	<0.01	0.002	54 ^f
Copper	54	0.045	0.007	0.02	0.04	1
Iron	54	1.69	0.22	0.61	1.5	2
Mercury	63	0.42	0.0002	0.02	0.1	3
Manganese	54	0.07	0.026	0.048	1.0	
Nitrogen as ammonia	54	13.0	3.9	7.5	<i>d</i>	<i>d</i>
Nickel	54	0.015	<0.008	<0.008	0.1	0
Oil and grease	54	130.0	<2.0	<5.9	50	1
Lead	54	0.04	<0.02	<0.02	0.0016	54 ^f
Phenols	54	0.22	<0.005	<0.02	5	0
Selenium	54	<0.1	<0.1	<0.1	<i>d</i>	<i>d</i>
Total Kjeldahl nitrogen	54	24.0	6.5	12	90	0
Total suspended solids	54	94.0	<5.0	<50	300	0
Zinc	54	0.24	0.08	0.1	2	0

^aUnits in mg/L unless otherwise indicated.

^bSanitary Sewer Industrial Users Permit.

^cFlow during operations and/or discharging.

^dNot applicable.

^eMaximum value/minimum value.

^fThe detection level for this parameter is above the reference value.