Permit 6/29/92

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OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages = 11

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NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

Pg. 1

15225

A. WQS EFFLUENT LIMITS

Based on 100% effluent levels (zero 7Q10), the following daily average and daily maximum effluent limits apply based on most stringent standards under Section 3-101 of N.M. WQS, hardness of 150 mg/l for CaCO3 and TSS of 10 mg/l; and 40 CFR 122.2 (definition of pollutant).

Total Aluminum	0.087	mg/l
Total Arsenic	0.04	mg/l
Total Barium	1.0	mg/l
Total Boron	0.75	mg/l
Total Cadmium	6.4	ug/l
Total Chromium	0.25	mg/l
Total Cobalt	0.05	mg/l
Total Copper	0.057	mg/l
Total Lead	0.018	mg/l
Total Mercury	0.002	mg/l
Total Selenium	0.005	mg/l
Total Vanadium	0.10	mg/l
Total Zinc	0.5	mg/l
Radium-226 + radium-228	30.0	pCi/l
Total Beryllium	5.3	ug/l
Total Nitrate (as N)	10.0	mg/l
Total Uranium	5.0	mg/l(*1)
Total Cyanide	5.2	ug/l
Total Nickel	0.44	mg/l
Total Chlordane	0.0043	ug/l
Total Silver	0.12	ug/l
Tritium	0.003	mCi/l(*2)

(*1) Not regulated under CWA.
(*2) When accelerator produced.

B. APPLICATION DAILY MAXIMUM LEVELS REPORTED FOR WQ PARAMETERS

Total Aluminum

WQS level	0.087	mg/l
Outfall 001	0.3	mg/l
Category 02A	0.068	mg/l
Category 03A	0.06	mg/l
Category 04A	<0.04	mg/l
Category 05A	<0.04	mg/l
Category 06A	0.56	mg/l
Outfall 050	0.07	mg/l
Outfall 051	0.07	mg/l
Outfall 128	<0.04	mg/l
Outfall 01S	0.73	mg/l
Outfall 02S	0.16	mg/l
Outfall 03S	0.04	mg/l
Outfall 04S	<0.04	mg/l
Outfall 05S	<0.4	mg/l
Outfall 07S	0.04	mg/l

Outfall 09S	<0.04	mg/l
Outfall 10S	0.05	mg/l

Total Arsenic

WQS level	0.04	mg/l
Outfall 001	<0.002	mg/l
Category 02A	0.0032	mg/l
Category 03A	0.04	mg/l(*1)
Category 04A	0.002	mg/l
Category 05A	<0.002	mg/l
Category 06A	<0.002	mg/l
Outfall 050	<0.002	mg/l
Outfall 051	<0.002	mg/l
Outfall 128	<0.002	mg/l
Outfall 01S	0.0074	mg/l
Outfall 02S	0.0021	mg/l
Outfall 03S	<0.002	mg/l
Outfall 04S	<0.002	mg/l
Outfall 05S	0.014	mg/l
Outfall 07S	0.003	mg/l
Outfall 09S	0.0033	mg/l
Outfall 10S	<0.002	mg/l

(*1) Exceeds WQS

Total Barium

WQS level	1.0	mg/l
Outfall 001	0.02	mg/l
Category 02A	0.016	mg/l
Category 03A	0.11	mg/l
Category 04A	0.03	mg/l
Category 05A	0.76	mg/l
Category 06A	0.03	mg/l
Outfall 050	0.092	mg/l
Outfall 051	0.092	mg/l
Outfall 128	0.03	mg/l
Outfall 01S	0.07	mg/l
Outfall 02S	0.07	mg/l
Outfall 03S	0.04	mg/l
Outfall 04S	0.08	mg/l
Outfall 05S	0.02	mg/l
Outfall 07S	0.15	mg/l
Outfall 09S	0.38	mg/l
Outfall 10S	0.03	mg/l

Total Boron

WQS level	0.75	mg/l
Outfall 001	0.06	mg/l
Category 02A	0.22	mg/l

Category 03A	0.33 mg/l
Category 04A	0.02 mg/l
Category 05A	0.03 mg/l
Category 06A	0.52 mg/l
Outfall 050	1.22 mg/l(*1)
Outfall 051	1.22 mg/l(*1)
Outfall 128	0.13 mg/l
Outfall 01S	0.17 mg/l
Outfall 02S	0.03 mg/l
Outfall 03S	0.03 mg/l
Outfall 04S	0.016 mg/l
Outfall 05S	0.15 mg/l
Outfall 07S	0.07 mg/l
Outfall 09S	0.35 mg/l
Outfall 10S	0.08 mg/l

(*1) Exceeds WQS.

Total Cadmium

WQS level	6.4 ug/l
Outfall 001	<10 ug/l(*1)
Category 02A	<10 ug/l(*1)
Category 03A	4 ug/l
Category 04A	<10 ug/l(*1)
Category 05A	<10 ug/l(*1
Category 06A	<10 ug/l(*1)
Outfall 050	0.25 ug/l
Outfall 051	0.25 ug/l
Outfall 128	<10 ug/l(*1)
Outfall 01S	<10 ug/l(*1)
Outfall 02S	<10 ug/l(*1)
Outfall 03S	<10 ug/l(*1)
Outfall 04S	<10 ug/l(*1)
Outfall 05S	<10 ug/l(*1)
Outfall 07S	<0.75 ug/l
Outfall 09S	<10 ug/l(*1)
Outfall 10S	<10 ug/l

(*1) Exceeds WQS.

Total Chromium

WQS level	0.25 mg/l
Outfall 001	0.035 mg/l
Category 02A(Outfall 129)	0.160 mg/l
Category 03A	0.260 mg/l(*1)
Category 04A	0.040 mg/l
Category 05A	0.071 mg/l
Category 06A	0.087 mg/l
Outfall 050	0.022 mg/l
Outfall 051	0.022 mg/l
Outfall 128	0.012 mg/l
Outfall 01S	0.51 mg/l(*1)

Outfall 02S	0.048 mg/l
Outfall 03S	0.28 ug/l(*1)
Outfall 04S	0.005 mg/l
Outfall 05S	0.041 mg/l
Outfall 07S	0.180 mg/l
Outfall 09S	0.013 mg/l
Outfall 10S	0.011 mg/l

(*1) Exceeds WQS.

Total Cobalt

WQS level	0.05 mg/l
Outfall 001	0.1 mg/l(*1)
Category 02A	0.1 mg/l(*1)
Category 03A	0.070 mg/l(*1)
Category 04A	<0.01 mg/l
Category 05A	<0.1 mg/l(*1)
Category 06A	<0.1 mg/l(*1)
Outfall 050	<0.07 mg/l(*1)
Outfall 051	<0.07 mg/l(*1)
Outfall 128	<0.1 mg/l(*1)
Outfall 01S	<0.1 mg/l(*1)
Outfall 02S	<0.1 mg/l(*1)
Outfall 03S	<0.1 mg/l(*1)
Outfall 04S	<0.1 mg/l(*1)
Outfall 05S	<0.1 mg/l(*1)
Outfall 07S	<0.07 mg/l(*1)
Outfall 09S	<0.1 mg/l(*1)
Outfall 10S	<0.1 mg/l(*1)

(*1) Exceeds WQS.

Total Copper

WQS level	0.057 mg/l
Outfall 001	0.033 mg/l
Category 02A	0.16 mg/l(*1)
Category 03A	0.1 mg/l(*1)
Category 04A	0.031 mg/l
Category 05A	0.032 mg/l
Category 06A	0.052 mg/l
Outfall 050	0.15 mg/l(*1)
Outfall 051	0.15 mg/l(*1)
Outfall 128	0.18 mg/l(*1)
Outfall 01S	0.3 mg/l(*1)
Outfall 02S	0.022 mg/l
Outfall 03S	0.029 mg/l
Outfall 04S	0.026 mg/l
Outfall 05S	0.045 mg/l
Outfall 07S	0.069 mg/l(*1)
Outfall 09S	0.025 mg/l
Outfall 10S	0.027 mg/l

(*1) Exceeds WQS.

Total Lead

WQS level	0.018	mg/l
Outfall 001	<0.050	mg/l(*1)
Category 02A	<0.050	mg/l(*1)
Category 03A	0.050	mg/l(*1)
Category 04A	<0.050	mg/l(*1)
Category 05A	<0.050	mg/l(*1)
Category 06A	<0.050	mg/l(*1)
Outfall 050	0.0081	mg/l
Outfall 051	0.0081	mg/l
Outfall 128	0.070	mg/l(*1)
Outfall 01S	<0.050	mg/l(*1)
Outfall 02S	<0.050	mg/l(*1)
Outfall 03S	0.050	mg/l(*1)
Outfall 04S	<0.050	mg/l(*1)
Outfall 05S	0.130	mg/l(*1)
Outfall 07S	0.010	mg/l
Outfall 09S	<0.050	mg/l(*1)
Outfall 10S	0.060	mg/l(*1)

(*1) Exceeds WQS.

Total Mercury

WQS level	0.002	mg/l
Outfall 001	<0.0002	mg/l
Category 02A	<0.0002	mg/l
Category 03A	<0.0002	mg/l
Category 04A	<0.0002	mg/l
Category 05A	<0.0002	mg/l
Category 06A	<0.0002	mg/l
Outfall 050	0.00026	mg/l
Outfall 051	0.00026	mg/l
Outfall 128	<0.0002	mg/l
Outfall 01S	0.0017	mg/l
Outfall 02S	0.0002	mg/l
Outfall 03S	0.00052	mg/l
Outfall 04S	<0.010	mg/l(*1)
Outfall 05S	<0.0002	mg/l
Outfall 07S	<0.0002	mg/l
Outfall 09S	<0.0002	mg/l
Outfall 10S	0.00033	mg/l

(*1) Exceeds WQS.

Total Selenium

WQS level	0.005	mg/l
Outfall 001	<0.001	mg/l
Category 02A	0.0026	mg/l
Category 03A	<0.001	mg/l
Category 04A	<0.001	mg/l
Categoru 05A	<0.001	mg/l
Category 06A	0.001	mg/l
Outfall 050	<0.001	mg/l

Outfall 051	<0.051 mg/l(*1)
Outfall 128	<0.001 mg/l(*1)
Outfall 01S	0.0018 mg/l
Outfall 02S	0.001 mg/l
Outfall 03S	<0.001 mg/l
Outfall 04S	<0.001 mg/l
Outfall 05S	<0.001 mg/l
Outfall 07S	<0.001 mg/l
Outfall 09S	<0.001 mg/l
Outfall 10S	<0.001 mg/l

(*1) Exceeds WQS.

Total Vanadium

WQS level	0.10 mg/l
Outfall 001	(*1)
Category 02A	(*1)
Category 03A	(*1)
Category 04A	(*1)
Category 05A	(*1)
Category 06A	(*1)
Outfall 050	(*1)
Outfall 051	(*1)
Outfall 128	(*1)
Outfall 01S	(*1)
Outfall 02S	(*1)
Outfall 03S	(*1)
Outfall 04S	(*1)
Outfall 05S	(*1)
Outfall 07S	(*1)
Outfall 09S	(*1)
Outfall 10S	(*1)

(*1) Not reported in application.

Total Zinc

WQS level	0.5 mg/l
Outfall 001	0.003 mg/l
Category 02A	0.049 mg/l
Category 03A	0.071 mg/l
Category 04A	0.043 mg/l
Category 05A	0.097 mg/l
Category 06A	<0.045 mg/l
Outfall 050	0.032 mg/l
Outfall 051	0.032 mg/l
Outfall 128	0.021 mg/l
Outfall 01S	0.28 mg/l
Outfall 02S	0.056 mg/l
Outfall 03S	0.041 mg/l
Outfall 04S	0.064 mg/l
Outfall 05S	0.21 mg/l
Outfall 07S	0.040 mg/l

Outfall 09S	0.19 mg/l
Outfall 10S	0.087 mg/l

(*1) Exceeds WQS.

Radium-226 + Radium-228

WQS level	30 pCi/l
Outfall 001	0.05 pCi/l
Category 02A	(*1)
Category 03A	(*1)
Category 04A	0.06 pCi/l
Category 05A	0.04 pCi/l
Category 06A	0.05 pCi/l
Outfall 050	0.33 pCi/l
Outfall 051	0.33 pCi/l
Outfall 12S	0.05 pCi/l
Outfall 01S	0.18 pCi/l
Outfall 02S	0.04 pCi/l
Outfall 03S	0.06 pCi/l
Outfall 04S	0.09 pCi/l
Outfall 05S	0.11 pCi/l
Outfall 07S	0.15 pCi/l
Outfall 09S	(*1)
Outfall 10S	0.05 pCi/l

(*1) Believed absent

Tritium(*1)

WQS level	0.003 mCi/l
Outfall 001	(*2)
Category 02A	(*2)
Category 03A	(*2)
Category 04A	(*2)
Category 05A	(*2)
Category 06A	(*2)
Outfall 050	(*2)
Outfall 051	0.00059 mCi/l (*3)
Outfall 12S	(*2)
Outfall 01S	(*2)
Outfall 02S	(*2)
Outfall 03S	(*2)
Outfall 04S	(*2)
Outfall 05S	(*2)
Outfall 07S	(*2)
Outfall 09S	0.00023 mCi/l (*4)
Outfall 10S	(*2)

(*1) When accelerator produced.
(*2) Not reported in application.
(*3) Reactor produced.
(*4) Accelerator produced.

Total Cyanide

WQS level	0.0052 mg/l (0.01 mg/l MQL)
Outfall 001	0.01 mg/l(*1)
Category 02A	0.033 mg/l(*1)
Category 03A	0.033 mg/l(*1)
Category 04A	<0.01 mg/l
Category 05A	0.12 mg/l(*1)
Category 06A	0.01 mg/l(*1)
Outfall 050	0.22 mg/l(*1)
Outfall 051	0.22 mg/l(*1)
Outfall 128	<0.01 mg/l(*1)
Outfall 01S	0.3 mg/l(*1)
Outfall 02S	0.01 mg/l(*1)
Outfall 03S	<0.01 mg/l(*1)
Outfall 04S	<0.03 mg/l(*1)
Outfall 05S	0.06 mg/l(*1)
Outfall 07S	0.064 mg/l(*1)
Outfall 09S	0.034 mg/l(*1)
Outfall 10S	<0.01 mg/l

(*1) Exceeds WQS.

Total Nickel

WQS level	0.44 mg/l
Outfall 001	0.07 mg/l
Category 02A	0.23 mg/l
Category 03A	0.28 mg/l
Category 04A	0.06 mg/l
Category 05A	0.11 mg/l
Category 06A	0.16 mg/l
Outfall 050	<0.03 mg/l
Outfall 051	<0.03 mg/l
Outfall 128	0.06 mg/l
Outfall 01S	0.02 mg/l
Outfall 02S	0.09 mg/l
Outfall 03S	0.12 mg/l
Outfall 04S	0.015 mg/l
Outfall 05S	0.09 mg/l
Outfall 07S	0.16 mg/l
Outfall 09S	0.02 mg/l
Outfall 10S	0.05 mg/l

Total Chlordane

WQS level	0.0043 ug/l (0.2 ug/l MQL)
Outfall 001	<0.25 ug/l(*1)
Category 02A	<0.25 ug/l(*1)
Category 03A	<0.25 ug/l(*1)
Category 04A	<0.25 ug/l(*1)
Category 05A	<0.25 ug/l(*1)
Category 06A	<0.25 ug/l(*1)
Outfall 050	<0.25 ug/l(*1)

Outfall 051	<0.25 ug/l(*1)
Outfall 128	<0.25 ug/l(*1)
Outfall 01S	<0.25 ug/l(*1)
Outfall 02S	<0.25 ug/l(*1)
Outfall 03S	<0.25 ug/l(*1)
Outfall 04S	<0.25 ug/l(*1)
Outfall 05S	<0.25 ug/l(*1)
Outfall 07S	<0.25 ug/l(*1)
Outfall 09S	<0.25 ug/l(*1)
Outfall 10S	<0.25 ug/l(*1)

(*1) Exceeds WQS.

Total Silver

WQS level	0.12 ug/l (2 ug/l MQL)
Outfall 001	<10.0 ug/l(*1)
Category 02A	<10.0 ug/l(*1)
Category 03A	<10.0 ug/l(*1)
Category 04A	<10.0 ug/l(*1)
Category 05A	<10.0 ug/l(*1)
Category 06A	214 ug/l(*1)
Outfall 050	<10.0 ug/l(*1)
Outfall 051	<10.0 ug/l(*1)
Outfall 01S	250 ug/l(*1)
Outfall 02S	<0.10 ug/l ?
Outfall 03S	<10.0 ug/l(*1)
Outfall 04S	<10.0 ug/l(*1)
Outfall 05S	<10.0 ug/l(*1)
Outfall 07S	<10.0 ug/l(*1)
Outfall 09S	<10.0 ug/l(*1)
Outfall 10S	<10.0 ug/l(*1)

(*1) Exceeds WQS.

C. **APPLICATION DAILY MAXIMUM LEVELS REPORTED FOR OTHER STATE REGULATED PARAMETERS**

Chemical Oxygen Demand (COD)

NM regulation level	125 mg/l
Outfall 001	19 mg/l
Category 02A	60 mg/l
Category 03A	42 mg/l
Category 04A	<10 mg/l
Category 05A	32.5 mg/l(*1)
Category 06A	35 mg/l
Category 07A(Outfall 109)	N/A(*1)
Outfall 050	192.5 mg/l(*1)
Outfall 051	192.5 mg/l(*1)
Outfall 128	<10 mg/l(*1)
Outfall 01S	2.11 mg/l
Outfall 02S	<10 mg/l

Outfall 03S	<10 mg/l
Outfall 04S	231 mg/l(*1)
Outfall 05S	357.5 mg/l(*1)
Outfall 07S	64 mg/l
Outfall 09S	244.1 mg/l(*1)
Outfall 10S	63.5 mg/l

(*1) Effluent limited to 125 mg/l daily average and daily maximum.

Fecal Coliform Bacteria

NM Regulation level 500/100ml log mean and 1000/100 ml daily max. (*1)

(*1) Sources without chlorination (Outfalls 02S, 03S, 04S, 07S, 09S, 10S and 12S shall be eliminated bynJune 1, 1994>

Pg. 10