



WATERTECTONICS

Innovative Water Processing Solutions By Water Quality Management Professionals

ALUMINUM

Application	Parameter	Units	Influent	Effluent
Mining	Total Al	mg/L	28	0.21
Mining	Dissolved Al	mg/L	27	0.17
Mining	Total Al	mg/L	5.2	ND <0.110
Mining	Dissolved Al	mg/L	5	ND <0.110
Aluminum Can Facility	Total Al	mg/L	270	11

ARSENIC

Application	Parameter	Units	Influent	Effluent
Mining	Total As	mg/L	1	0.0061
Mining	Total As	mg/L	0.376	0.0618
Mining	Total As	mg/L	0.376	0.0188
Oil & Gas	Total As	mg/L	0.35	0.03
Cement Plant	Total As	µg/L	23.8	0.6
Cement Plant	Dissolved As	µg/L	13.4	0.4
Oil & Gas	Total As	µg/L	610	25
Oil & Gas	Dissolved As	µg/L	540	23

BARIUM

Application	Parameter	Units	Influent	Effluent
Oil & Gas	Total Ba	mg/L	6.24	0.364
Oil & Gas	Total Ba	mg/L	7.8	ND <0.028
Oil & Gas	Total Ba	mg/L	1800	63
Oil & Gas	Total Ba	mg/L	119	0.48
Oil & Gas	Total Ba	mg/L	148	0.12
Oil & Gas	Total Ba	mg/L	2.2	0.24
Oil & Gas	Total Ba	mg/L	10	0.39
Oil & Gas	Total Ba	mg/L	2000	ND

CHROMIUM

Application	Parameter	Units	Influent	Effluent
Remediation	Total Cr	µg/L	33	ND <10
Wood Treatment	Total Cr	µg/L	211	23
Forge Facility	Total Cr	µg/L	18.6	2.4
Forge Facility	Dissolved Cr	µg/L	16.5	0.5
Fish Processing	Total Cr	µg/L	120	1
COPR	Total Cr	µg/L	2,600	<7
COPR	Dissolved Cr	µg/L	2,400	<7
COPR	Total Cr (VI)	µg/L	2,400	<10

COPPER

Application	Parameter	Units	Influent	Effluent
Mining	Total Cu	mg/L	6.2	0.0069
Mining	Dissolved Cu	mg/L	6.2	ND <0.011
Mining	Total Cu	mg/L	0.1	ND <0.003
Mining	Dissolved Cu	mg/L	0.027	ND <0.005
Scrap Metal	Total Cu	µg/L	500	ND <11
Scrap Metal	Dissolved Cu	µg/L	16	ND <11
Scrap Metal	Total Cu	µg/L	200	ND <10
Seafood Facility	Total Cu	µg/L	341	ND <0.50

IRON

Application	Parameter	Units	Influent	Effluent
Aquifer	Dissolved Fe	mg/L	3.37	0.01
Aquifer	Dissolved Fe	mg/L	0.95	0.01
Aquifer	Dissolved Fe	mg/L	1.38	0.06
Mining	Total Fe	mg/L	58	0.078
Mining	Dissolved Fe	mg/L	22	ND <0.056
Mining	Total Fe	mg/L	64	0.087
Mining	Dissolved Fe	mg/L	35	ND <0.056
Oil & Gas	Dissolved Fe	mg/L	33.36	0.13

LEAD

Application	Parameter	Units	Influent	Effluent
Mining	Total Pb	mg/L	0.025	ND <0.0029
Mining	Total Pb	mg/L	0.0031	ND <0.0029
Mining	Total Pb	mg/L	0.018	ND <0.003
Remediation	Total Pb	µg/L	62	ND <1
Scrap Metal	Total Pb	µg/L	270	ND <10
Forge Facility	Total Pb	µg/L	5.7	0.1
Foundry Facility	Total Pb	µg/L	16	ND <1.1
Scrap Metal	Total Pb	µg/L	200	10

STRONTIUM

Application	Parameter	Units	Influent	Effluent
Oil & Gas	Total Sr	mg/L	13	1.4
Oil & Gas	Total Sr	mg/L	5.7	0.67
Oil & Gas	Total Sr	mg/L	2700	150
Oil & Gas	Total Sr	mg/L	6.58	1
Oil & Gas	Total Sr	mg/L	17	2.3
Oil & Gas	Total Sr	mg/L	39	4.8
Oil & Gas	Total Sr	mg/L	0.21	<0.110
Oil & Gas	Total Sr	mg/L	46.1	7.32

ZINC

Application	Parameter	Units	Influent	Effluent
Mining	Total Zn	mg/L	24	0.42
Mining	Dissolved Zn	mg/L	25	0.39
Mining	Total Zn	mg/L	18	ND <0.056
Mining	Dissolved Zn	mg/L	19	ND <0.056
Mining	Total Zn	mg/L	2.6	<0.01
Mining	Dissolved Zn	mg/L	2.3	<0.01
Oil & Gas	Dissolved Zn	µg/L	280	10
Galvanizing	Total Zn	µg/L	9700	72

THANK YOU

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