

CASE
STUDY
4

CHLORIDE
ALUMINUM
ARSENIC
SELENIUM



- 3,757,761 total gallons filtered from leachate pond
- Feed at 109,000 GPD with RO
- Quality of permeate discharge directly to river outlet is cleaner than the river water.

STEEL MILL LEACHATE POND - WV

Daily Gallons	Leachate Feed	Permeate	Concentrate
	109,000	81,750	27,250

Contaminant	Feed (ppm)	Targeted (ppm)	Permeate (ppm)
Chloride	3,345	2511	369
Aluminum	0.651	1.5	0.08
Arsenic	6.67	0.14	0.039
Selenium	2.20	0.074	0.0095