

Partial Listing of Polyurethane Lined Piping Projects

Customer Location	Pipe Diameter Inches	Lining Thickness Inches	Installed Linear Feet	Product Transport	Solids (%)	Particle Size	Velocity
Bechtel/Samarco Brazil, SA	18	1/2		Iron	60%	4% 65 Mesh 50%-200 Mesh	10
Simplott Idaho, USA	7	3/8	26000	Phosphate	60%	-15mm	10
Asarco/Troy Montana, USA	8	1/4	73000	Copper Tailings	56%	-200 Mesh	7
Kennecott New Mexico, US	16	1/2	5000	Copper Tailings	48%	4% +4 Mesh 48% - 325 Mesh -250 Mesh	7-9
Cities Service Arizona, USA	4	1/2	3000	Sand Fill		-125 Mesh	
Inland Steel Minnesota, USA	8	1/4	2000	Taconite Tailings	56%		
Kennecott Utah, USA	8	1/4	20000	Smelter Slag			
Cyprus/Thompson Creek Idaho, USA	8	1/4	5000	Moly Tailings			
Asarco/Troy Montana, USA	8	1/4	5000	Copper Tailings	56%	-200 Mesh	7-9
U.S. Steel West Virginia, USA	4	1/4	10000	Coal Refuse	35%	-28 Mesh	
Kennecott New Mexico, USA	16	3/8	48000	Copper Tailings	48%	4% +4 Mesh 48% - 325 Mesh	7-9
Codelco Chile, SA	34	1/2	7700	Copper Tailings	55%	-35 Mesh	8-13
New Zealand Steel New Zealand	8	3/8	64000	Iron Sands	49%		8
National Steel Minnesota, USA	22	1/4	2000	Taconite Tailings	43%	-6mm	8
National Steel Minnesota, USA	22	1/4	1000	Taconite Tailings	43%	-6mm	8
Falconbridge Ontario, Canada	8	1/2	800	Copper Nickel Slag	&-10%	-1mm	16
Falconbridge Ontario, Canada	9	1/2	1000	Copper Tailings	&-10%	-1mm	16
Kennecott New Mexico, USA	16	3/8	2000	Copper Tailings	48%	4% +4 Mesh 48% - 325 Mesh	7-9
Bougainville Copper Bougainville PNG	34	3/8	120000	Taconite Tailings	53-62%	-2.4mm	8
Hanna Steel Minnesota, USA	22	1/4	4000	Taconite Tailings	43%	-6mm	8
Falconbridge Ontario, Canada	9	1/2	3500	Copper Nickel Slag	&-10%	-1mm	16
National Steel Minnesota, USA	22	1/4	4000	Taconite Tailings	43%	-6mm	8
Samarco Brazil, SA	8	1/2	16000	Iron Ore Slurry	60%	4% 65 Mesh 50% -200 Mesh	10
Asarco Ray, Hayden Arizona, USA	20	3/8	3000	Copper Tailings	35-50%	16% -20 +100 Mesh	9-13
Asarco Ray, Hayden Arizona, USA	20	3/8	3400	Copper Tailings	35-50%	16% -20 +100 Mesh	9-13
Pinto Valley Miami, AZ	28	3/8	12600	Copper/Ore Tailings	52%	11% - 20 Mesh 65% - 325 Mesh	7.9
LaCandelaria Chile, SA	22	3/8	8000	Copper Tailings			
Asarco Ray, Hayden Arizona, USA	20	3/8	1500	Copper Tailings	36-50%	16% -20 +100 Mesh	9-13
Kennecott	48	1/2	2000	Copper Tailings	36%		7.8
LaCandelaria-Genoyer Chile	22	3/8	8000	Copper Tailings			