

Pilot Mound WTP Upgrade Expansion - Reject Concentrate

Parameter	Reject *	Goudney Reservoir**	Combined Flow
	(dam ³ /year)	(dam ³ /year)	(dam ³ /year)
Flow Rate	66	3704***	3770
	(mg/L)	(mg/L)	(mg/L)
Ca	301.44	141	143.8
Mg	69.53	90.8	90.4
Na	35.76	222	218.7
K	3.88	18.7	18.4
NH4	0	-	-
Ba	0.34	0.0857	0.1
Sr	0.71	0.77	0.8
CO3	7.91	12	11.9
HCO3	1093.53	449	460.2
SO4	138.46	663	653.8
Cl	52.73	49.9	49.9
F	0	0.34	0.3
NO3	0	0.157	0.2
SiO2	102.7	14	15.5
CO2	17.33	-	-
TDS	1812.44	1410	1416.9
pH	8.01	8.3	8.3

* Reject water quality projection using Reverse Osmosis System Analysis (ROSA) 9.1

**ODW 2012 annual water quality analysis

***Environment Canada Hydrometric Flow Data for Pilot Creek 1963-1994