



TXI Mill Creek Q3-2013

July 1, 2013-
Sep.t 30,2013

Appendix C . Consumptive use of Pitwater

PIT GROUNDWATER VOLUME		
1	Total volume pumped from producing mine pit(s) (AC-FT)	498.93
2	Volume of precipitation that falls onto the surface of producing Mine Pits (AC-FT)	34.14
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT)	7.20
4	other non pit waters pumped from the producing mining pit (AC-FT)	
5	add lines 2 through 4	41.35
6	Pit Groundwater Volume (AC-FT) (line 1 minus Line 5)	457.58
DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Vol. of pit groundwater that is driven off (by drying) the mined material transp. off of the mine site (AC-FT)	0.00
8	Vol. of pit groundwater that is carried away with the the mined material transp. off of the mine site (AC-FT)	2.99
9	Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation) (AC-FT)	0.85
10	Volume of pit groundwater that is used for other beneficial uses off of the mine site (AC-FT)	5.67
11	DEFINED ELEMENTS OF CONSUMPTIVE USE of Pit groundwater (AC-FT) (add lines 7 through 10)	9.51
PIT GROUNDWATER BALANCE		
12	Lines 6 minus 11	448.07
13	Groundwater Augmentation Volume of pit groundwater returned to returned to GW Basin or subbasin. (Troy Recharge AC-FT)	26.27
14	Stream Augmentation volume of pitwater discharged to a definite Stream, during flow conditions that are less than or equal to the accepted exceedance level (AC-FT)	232.59
15	PPT and Runoff Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT)	29.25
16	Recycled Pit Groundwater - Volume of ground water returned to the mine pit or holding basin (AC-FT)	248.62
17	Other Non-Consumptive Losses Including pit GW returned to the land surface from which surface runoff flows into a mine pit and other losses (AC-FT)	8.32
18	add lines 13 through 17	545.06
19	OTHER CONSUMPTIVE USE Line 12 minus Line 18	-96.99
TOTAL REPORTED CONSUMPTIVE USE (AC-FT)		
TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19		-87.48