

Consumptive Use of Pitwater Worksheet

Enter Values in Yellow

Area of Pit: 50.4 (acres) Rainfall: 36

Pit Groundwater Volume

	Amount (gallons)
1 Total volume of water pumped from the producing mine pit(s)	40,414,700
2 Volume of precipitation that falls onto the surface of water in the producing mining pit(s)	45,588,662
3 Portion of total precipitation that flows over the land surfaces that drains into the mine pit water	0
4 Other non-pit waters pumped from the producing mine pit	0
5 Add lines 2 through 4	45,588,662
6 Pit Groundwater Volume (Line 1 - Line 5)	-5,173,962

Defined Elements of Consumptive Use

	Amount (gallons)
7 Volume of pit water that is driven off (by drying) the mined material transported off the mine site	11,582,287
8 Volume of pit water that is carried away with the mined material transported off the mining site (shipped)	0
9 Volume of pit water that evaporates from the producing mine pit, process water ponds, and lined ponds (excluding structures used for augmentation)	557,767
10 Volume of pit water that is used for other beneficial uses off the mine site	0
11 Defined Elements of Consumptive Use of Pit Groundwater (add Lines 7 through 10)	12,140,055

Pit Groundwater Balance

	Amount (gallons)	
12 Line 6 minus Line 11	-17,314,017	
13 Groundwater Augmentation (Volume of pit groundwater returned to the groundwater basin or sub basin)	0	CREDITS
14 Stream Augmentation (Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance or median historic flows)	0	
15 Precipitation & Run-off (Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation)	0	
16 Additional Discharge (Volume of pit groundwater discharged to a definite stream, not meeting stream augmentation credit criteria)	0	
17 Recycled Pit Groundwater (Volume of pit groundwater returned to a mine pit or holding basin not included on lines 7 through 10)	0	
18 Other Non-Consumptive Losses (Including pit groundwater returned to the land surface from which surface run-off flows into a mine pit, and other losses not included in lines 7 through 10)	0	
19 Add lines 13 through 18	0	
20 Other Consumptive Use (adjusted) Line 12 minus 19	-17,314,017	

Total Reported Consumptive Use Of Pit

	Amount (gallons)
21 Total Reported Consumptive Use Of Pit (add Line 11 and Line 20)	-5,173,962
Facility's Equal Proportionate Share (EPS)	62,693,815

at 0.2 acre-feet for 962 acres