STATE OF COLORADO

Reilley - DNR, Robin <robin.reilley@state.co.us>

Fwd: Robins accounting

1 message

Summit Engineering Co <summitengco@gmail.com> Tue, Jun 24, 2025 at 12:12 PM
To: "Reilley - DNR, Robin" <robin.reilley@state.co.us>

Robin- hereis the typical accounting for the augh water at the pit. Meters are in place ; i'll send you a photograph this afternoon.
Scott

sCOTT
Thank you,

SUMMIT ENGINEERING CO.
Engineers & Land Surveyors
Phone: 719-589-6147 Fax:719-589-6633
Loc: 1317 State Ave. Alamosa, CO 81101
Mail: P.O. Box 1897 Alamosa, CO 81101
Email Address: summitengco@gmail.com

---------- Forwarded message ---------
From: **McDermott - DNR, Pat** <pat.mcdermott@state.co.us>
Date: Tue, Apr 29, 2025 at 7:13 PM
Subject: Robins accounting
To: Scott Johnson <AskSummitEngineering@gmail.com>

Scott:

I need to get the accounting updated. I've attached a couple of old accounting sheets. We need to ask Randy if he has ever put a meter on his commercial well at the plant.

--
Pat McDermott - Water Division 3
(719) 589-6683, extension 3126 office

3 attachments

15CW3012 Robins draft acct pjm.xlsx
16K

15CW3012 Robins draft acct pjm2.xlsx
16K

15CW3012 Robins draft acct pjm3.xlsx
43K

Anticipated Maximum Pit Depletions Historical Credits
Robins Ready-Mix Operation, Substitute Water Supply Plan

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Month	Avg. Area / maximum Percentage (%)	RecirculatingPond Surface Area (acres)	Net Unit Evaporation (feet)	Pond Evaporation (acre-feet)	Concrete Production (c.y.)	Water Use In Concrete Production (acre-feet)	Gravel Used in Concrete (c.y.)	Water In Gravel (acre-feet)	Dust Suppression (acre-feet)	Total Operational Loss (acre-feet)	Canon Ditch share measured to recharge (acre-feet)	Recharge Pond Average Surface Area (acres)	Available Consumptive Use Credit (acre-feet)	Net Depletion To Shallow Aquifer (acre-feet)
Carryover from previous year													**50.000**	
January	100%	0.427	0.04	0.017	100	0.012	80.0	0.004	0.000	0.033	0.000	0.000	49.967	0.033
February	100%	0.427	0.12	0.051	100	0.012	80.0	0.004	0.000	0.067	0.000	0.000	49.900	0.067
March	100%	0.427	0.24	0.102	100	0.012	80.0	0.004	0.000	0.119	0.000	0.000	49.781	0.119
April	100%	0.427	0.36	0.154	200	0.025	160.0	0.008	0.100	0.286	0.000	0.000	49.495	0.286
May	100%	0.427	0.50	0.214	200	0.025	160.0	0.008	0.100	0.346	20.000	0.500	58.900	-9.904
June	100%	0.427	0.62	0.265	300	0.037	240.0	0.011	0.100	0.413	0.000	0.000	58.487	0.413
July	100%	0.427	0.64	0.273	300	0.037	240.0	0.011	0.100	0.421	0.000	0.000	58.065	0.421
August	100%	0.427	0.52	0.222	400	0.049	320.0	0.015	0.100	0.386	0.000	0.000	57.679	0.386
September	100%	0.427	0.44	0.188	400	0.049	320.0	0.015	0.100	0.352	10.000	0.500	62.107	-4.868
October	100%	0.427	0.30	0.128	200	0.025	160.0	0.008	0.100	0.260	0.000	0.000	61.847	0.260
November	100%	0.427	0.16	0.068	100	0.012	80.0	0.004	0.000	0.084	0.000	0.000	61.763	0.084
December	100%	0.427	0.06	0.026	100	0.012	80.0	0.004	0.000	0.042	0.000	0.000	61.721	0.042
Annual			**4.00**	**1.708**	**2500**	**0.307**	**2000**	**0.094**		**2.809**	**30.000**			**-12.661**

Maximum Pond Area = 0.427 acres (18,650sf)

Notes

1. Month
2. Average pond area / maximum
3. Average pond surface area
4. Net unit evaporation as specified in the DNR-DOWR for elevations above 6,500 feet.
5. Equals Col (3) x Col (4)
6. Approximated concrete production per month
7. Equals [col(6)*40]/325,851
8. Equals col(6)*0.8
9. Equals [col(8)*3,200*.04]/[62.4*43560]
10. Approximated dust suppression water volume usage
11. Equals [col(5)+col(7)+col(9)+col(10)]
12. Available consumptive use credit from dry up of 20 acres historically irrigated at this location
13. Equals [col(11)-col(12)]

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Month	Avg. Area / maximum Percentage (%)	RecirculatingPond Surface Area (acres)	Net Unit Evaporation (feet)	Pond Evaporation (acre-feet)	Concrete Production (c.y.)	Water Use In Concrete Production (acre-feet)	Gravel Used in Concrete (c.y.)	Water In Gravel (acre-feet)	Dust Suppression (acre-feet)	Total Operational Loss (acre-feet)	Canon Ditch share measured to recharge (acre-feet)	Recharge Pond Average Surface Area (acres)	Available Consumptive Use Credit (acre-feet)	Net Depletion To Shallow Aquifer (acre-feet)
Carryover from previous year													**50.000**	
January	0%	0.000	0.04	0.000	100	0.012	80.0	0.004	0.000	0.016	0.000	0.000	49.984	0.016
February	0%	0.000	0.12	0.000	100	0.012	80.0	0.004	0.000	0.016	0.000	0.000	49.968	0.016
March	100%	0.427	0.24	0.102	1000	0.123	800.0	0.038	0.000	0.263	0.000	0.000	49.705	0.263
April	100%	0.427	0.36	0.154	1000	0.123	800.0	0.038	0.100	0.414	0.000	0.000	49.291	0.414
May	100%	0.427	0.50	0.214	1000	0.123	800.0	0.038	0.100	0.474	20.000	0.500	58.567	-9.776
June	100%	0.427	0.62	0.265	1000	0.123	800.0	0.038	0.100	0.525	0.000	0.000	58.042	0.525
July	100%	0.427	0.64	0.273	1000	0.123	800.0	0.038	0.100	0.534	0.000	0.000	57.508	0.534
August	100%	0.427	0.52	0.222	1000	0.123	800.0	0.038	0.100	0.482	0.000	0.000	57.026	0.482
September	100%	0.427	0.44	0.188	1000	0.123	800.0	0.038	0.100	0.448	10.000	0.500	61.357	-4.772
October	100%	0.427	0.30	0.128	500	0.061	400.0	0.019	0.100	0.308	0.000	0.000	61.049	0.308
November	100%	0.427	0.16	0.068	200	0.025	160.0	0.008	0.000	0.100	0.000	0.000	60.949	0.100
December	0%	0.000	0.06	0.000	100	0.012	80.0	0.004	0.000	0.016	0.000	0.000	60.933	0.016
Annual			**4.00**	**1.614**	**8000**	**0.982**	**6400**	**0.301**	**0.700**	**3.597**	**30.000**			**-11.873**

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Carryover from previous year													**-1.039**	
January	0%	0.000	0.04	0.000	200	0.025	160.0	0.008	0.000	0.032	0.000	0.000	-1.071	0.032
February	0%	0.000	0.12	0.000	200	0.025	160.0	0.008	0.000	0.032	0.000	0.000	-1.103	0.032
March	100%	0.427	0.24	0.102	200	0.025	160.0	0.008	0.000	0.135	0.000	0.000	-1.238	0.135
April	100%	0.427	0.36	0.154	1000	0.123	800.0	0.038	0.100	0.414	0.000	0.500	-1.832	0.234
May	100%	0.427	0.50	0.214	1000	0.123	800.0	0.038	0.100	0.474	21.850	0.500	8.369	-10.701
June	100%	0.427	0.62	0.265	1200	0.147	960.0	0.045	0.100	0.557	0.000	0.500	7.502	0.247
July	100%	0.427	0.64	0.273	1500	0.184	1200.0	0.057	0.100	0.614	0.000	0.000	6.888	0.614
August	100%	0.427	0.52	0.222	1500	0.184	1200.0	0.057	0.100	0.563	0.000	0.000	6.325	0.563
September	100%	0.427	0.44	0.188	1000	0.123	800.0	0.038	0.100	0.448	5.100	0.500	8.207	-2.322
October	100%	0.427	0.30	0.128	500	0.061	400.0	0.019	0.100	0.308	0.000	0.000	7.899	0.308
November	100%	0.427	0.16	0.068	200	0.025	160.0	0.008	0.000	0.100	0.000	0.000	7.798	0.100
December	0%	0.000	0.06	0.000	200	0.025	160.0	0.008	0.000	0.032	0.000	0.000	7.766	0.032
Annual			**4.00**	**1.614**	**8700**	**1.068**	**6960**	**0.328**	**0.700**	**3.710**	**26.950**			**-10.725**

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