

MEMORANDUM

To: Water Right File: 37-494, 37-495, 37-577BU, 37-577BV and 37-833K
From: Ashley Ritter
Date: January 5, 2021
Re: Reporting Requirements Review

On December 30, 2020, the Idaho Department of Water Resources ("IDWR") received the 2020 Aquifer Recharge-The Valley Club Inc. report for the above mentioned water rights. The report was submitted by Brockway Engineering ("Brockway") on behalf of the right holder, The Valley Club Inc. An annual report submittal reporting the daily volume of water recharged during the year is a requirement under transfer 78255 (water rights 37-494, 37-495, 34-577BU, 37-577BV condition 11, and 37-833K condition 14).

Brockway submitted data outlining daily volumes infiltrated for 2020 at the Valley Club Inc.'s recharge site, satisfying the reporting condition for the above mentioned water rights.

Condition seven (for water rights 37-494, 37-495, 34-577BU, and 37-577BV) and condition ten (for water right 37-833K) within transfer 78255 states:

"Rights 37-494, 37-495, 37-577BU, 37-577BV, and 37-833K are limited to a combined diversion rate of 0.59 cfs and a combined diversion volume of 12.8 acre-feet for ground water recharge between March 15 and October 31 each year. No more than 5.1 acre-feet of ground water recharge shall occur prior to June 1 each year."

Reviewing the 2020 daily infiltration data submitted by Brockway, it is reported that 5.3 AF of water was infiltrated prior to June 1, 2020 (exceeding the limited 5.1 AF infiltration volume authorized prior to June 1st each year by 0.2 AF), 5.7 AF infiltrated during June 2020, and 2.8 AF infiltrated during July 2020. The total water infiltrated during the 2020 season is reported as 13.8 AF. This reported total exceeds the limited combined diversion volume for ground water recharge of 12.8 AF for water rights 37-494, 37-495, 34-577BU, 37-577BV and 37-833K by 1.0 AF.

It appears that each year (dating back to 2014) the annual diversion volume of 12.8 acre-feet for ground water recharge for the above mentioned water rights has been exceeded (see table below). In 2016 and 2020, more than 5.1 AF of ground water recharge occurred prior to June 1st.

Water rights 37-494, 37-495, 37-577BU, 37-577BV and 37-833 K				
Volume Infiltrated for Ground Water Recharge in Acre-Feet				
Year	**Pre June 1st Totals	Pre June 1st Percent Exceedance	Total Annual Volume*	Total Annual Volume Percent Exceedance
2014	0		13.1	2%
2015	3.6		15.5	21%
2016	6.5	27%	13.1	2%
2017	3.6		13	2%
2018	5.1		13	2%
2019	2.2		13.7	7%
2020	5.3	4%	13.8	8%
*Limited Combined Diversion Volume for ground water recharge annually is 12.8 AF				
**Limited Pre June 1st volume is 5.1 AF				