

MEMORANDUM

August 15, 2019

Water Right: 35-14243

Author: bjordan

Subject: Rate of Diversion Recommendation

The rate of diversion recommendation for this water right is based on the maximum capacity of the irrigation system minus the established rate of diversions recorded under water rights 35-14081, 35-14084, 35-14089, 35-14092 and 35-13608. Department records show that water rights 35-14081, 35-14084, 35-14089, 35-14092, 35-13608, and 35-7914 share the same point of diversion with right 35-14243. Water right report for 35-7914 describes three points of diversion. According to Greg Sullivan who a consultant for Lance Funk the irrigation system used under right 35-7914 is not connected to the point of diversion described under 35-14081, 35-14084, 35-14089, 35-14092, 35-13608, and 35-14243. The rate of diversion described under 35-7914 is not used in the rate of diversion calculation..

Using water measurement records under WMIS # 1001371 the maximum rate of diversion recorded for the point of diversion described under this right was 3,838 gpm or 8.55 cfs. This measurement was recorded in 2015. Below is the calculation used to determine recommended rate of diversion for 35-14243:

Total rate capacity = 8.55 cfs
-0.06 cfs water right 35-13608
-0.61 cfs combined limit for rights 35-14081, 35-14084, 35-14089 and 35-14092
= 7.88 cfs water right 35-14243

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Year: 2017		Date: 6/21/2017 12:00:00 AM		Total PCC: 1152.52		Total Percentage: 100	
Edit	Insert New Condition	Delete	# 1	Condition Date: 06/21/2017	ConditionPCC: 1237.76	Percentage: 65	
			KW:	784.00	Boost On: No		
			GPM:	3440.0	Description: Running in system		
			PSI:				
			Meter:				
			Utility:	Idaho Power	Serial Number: 59850205		
			Main HP:	700.00	Boost HP: 0.00		
			Pole Number:	07S29E0502	Multiplier: 80.00		
			Manufacturer:	General Electric	Disk Constant: 1.80		
Edit	Insert New Condition	Delete	# 2	Condition Date: 06/21/2017	ConditionPCC: 1010.64	Percentage: 35	
			KW:	714.20	Boost On: No		
			GPM:	3838.0	Description: lower kw		
			PSI:				
			Meter:				
			Utility:	Idaho Power	Serial Number: 59850205		
			Main HP:	700.00	Boost HP: 0.00		
			Pole Number:	07S29E0502	Multiplier: 80.00		
			Manufacturer:	General Electric	Disk Constant: 1.80		
Year: 2015		Date: 6/19/2015 12:00:00 AM		Total PCC: 1010.64		Total Percentage: 100	
Edit	Insert New Condition	Delete	# 1	Condition Date: 06/19/2015	ConditionPCC: 1010.64	Percentage: 100	
			KW:	714.20	Boost On: No		
			GPM:	3838.0	Description: No measuring location at pump. Measured at all wheel lines. 27 wheel lines, maximum condition.		
			PSI:				
			Meter:				
			Utility:	Idaho Power	Serial Number: 59850205		
			Main HP:	700.00	Boost HP: 0.00		
			Pole Number:	07S29E0502	Multiplier: 80.00		
			Manufacturer:	General Electric	Disk Constant: 1.80		