

Jordan, Blake

From: Greg Sullivan <greg.sullivan@brockwayeng.com>
Sent: Monday, August 12, 2019 10:06 AM
To: Jordan, Blake
Subject: RE: Draft Water Right Licenses 35-14240 thru 35-14243

Blake,

I reviewed the draft approval documents and discussed the wells with Lance Funk. The amounts and combined limits that you are recommending are accurate. Please move forward with the licensing the permits.

Regarding water right 35-7914 and 35-14241, under 35-7914 there are three authorized PODs. There is only one POD that is currently used to deliver water for 35-7914 and it is located in the NWNWNE Sec 7 T07S R29E. The second POD is located in the NENE Sec 6 T07S R29E. This well has never been drilled. Lance would like to drill this well and plumb it into the system for 35-7914 and 35-14241. Lance recognizes that these two PODs would be limited to a combined 7.04 cfs. The benefit of this well would be to reduce the pressure and flow requirements on the existing well located in Section 7. I think it has been several years ago since approval was given to drill the well and I was wondering what IDWR would require to allow the well to be drilled.

The third POD located in NWNE Section 5 T07S R29E should be removed as an authorized POD for 35-7914. These two systems are not hydraulically connected.

Greg Sullivan
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All information, calculations, maps, drawings, or other documents transmitted via e-mail are preliminary unless explicitly stated in the e-mail text or in the documents themselves.

From: Jordan, Blake [mailto:Blake.Jordan@idwr.idaho.gov]
Sent: Thursday, August 08, 2019 1:23 PM
To: Greg Sullivan (greg.sullivan@brockwayeng.com) <greg.sullivan@brockwayeng.com>
Subject: Draft Water Right Licenses 35-14240 thru 35-14243

Hi Greg,

Prior to issuing water right licenses for permits 35-14240, 35-14241, 35-14242 and 35-14243 I wanted to send draft approval documents to see if you have any questions or concerns. In your cover letters you recommended that no combine rate limitations should be placed on the water rights. Based on your field examinations of the water delivery system flow capacities along with what was recorded in IDWR's water measurement database (WMIS) water rights 35-14240, 35-14241 and 35-14242 will have combined rate of diversion limits:

35-14240:

35-7973 and 35-14240 when combined shall not exceed 4.96 cfs (based on your field exam)

35-14241:

35-7914 and 35-14241 when combined shall not exceed 7.04 cfs (based on WMIS info under record 600552)

Also the place of use identified in your field exam is in error. The acres developed in the SE ¼ should be as followed:
NESE= 27.9, NWSE= 21.6, SWSE = 1.1.

35-14242:

35-7686B and 35-14242 when combined shall not exceed 4.65 cfs (based on WMIS info under record 600556)

35-14243:

No rate of diversion limitation. Recommended rate of diversion is 7.88 cfs.

WMIS info for record 1001371 shows maximum rate of 3838 gpm =8.55 cfs. 8.55 cfs – 0.67 cfs (established rate under rights 35-14081, 35-14084, 35-14089, 35-14092 and 35-13608)= 7.88 cfs

These combined rate limitations aren't necessarily set in stone. If you feel that the rate of diversion capacities for each system is more than what has currently been identified in your field exam or in WMIS we would be willing to accept additional system capacity measurements for review.

Attached are draft license approvals along with data I gathered in WMIS. Please look over the draft approvals and let me know what you think and let me know if you want to provide more measurement information.

Thanks,

Blake Jordan

Water Rights Supervisor

Idaho Department Of Water Resources

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WMIS

Water Management Information System

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PCC Conditions

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Year: 2016		Date: 7/8/2016 12:00:00 AM		Total PCC: 0.00		Total Percentage: 1			
Edit	Insert New Condition	Delete	# 1	Condition Date:	07/08/2016	ConditionPCC:	989.24	Percentage:	1
			KW:	488.70	Boost On:	Yes			
			GPM:	2683.0	Description:	Good measurement section with good signal. Siemens flow meter is performing perfectly. Booster is on. Running three 8 tower pivots in potatoes and grain			
			PSI:	90					
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	200.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			
Year: 2016		Date: 1/1/2016 12:00:00 AM		Total PCC: 856.51		Total Percentage: 100			
Edit	Insert New Condition	Delete	# 1	Condition Date:	01/01/2016	ConditionPCC:	828.92	Percentage:	75
			KW:	482.00	Boost On:	Yes			
			GPM:	3158.0	Description:	6-18-15			
			PSI:						
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	0.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			

WR 35-14241

Edit	Insert New Condition	Delete	# 2	Condition Date:	01/01/2016	ConditionPCC:	1026.76	Percentage:	25
			KW:	290.20	Boost On:	No			
			GPM:	1535.0	Description:	7-26-13			
			PSI:						
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	0.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			
Year: 2015			Date: 6/18/2015 12:00:00 AM			Total PCC: 828.92		Total Percentage: 100	
Edit	Insert New Condition	Delete	# 1	Condition Date:	06/18/2015	ConditionPCC:	828.92	Percentage:	100
			KW:	482.00	Boost On:	Yes			
			GPM:	3158.0	Description:	Short measurement section with ok signal, but am confident that its as good as we can get. Booster is on and all valves open. Running two 8 tower pivots and 8 wheel lines in spuds and grain.			
			PSI:	60					
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	0.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			
Year: 2013			Date: 7/26/2013 12:00:00 AM			Total PCC: 1026.76		Total Percentage: 100	
Edit	Insert New Condition	Delete	# 1	Condition Date:	07/26/2013	ConditionPCC:	1026.76	Percentage:	100
			KW:	290.20	Boost On:	No			
			GPM:	1535.0	Description:	TWO PIVOTS			
			PSI:	160					
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	0.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			
Year: 2012			Date: 7/17/2012 12:00:00 AM			Total PCC: 1051.35		Total Percentage: 100	
Edit	Insert New Condition	Delete	# 1	Condition Date:	07/17/2012	ConditionPCC:	1403.69	Percentage:	10
			KW:	275.00	Boost On:	No			
			GPM:	1064.0	Description:	PIVOT WITH END GUN ON. BOOSTER OFF.			
			PSI:	137					
			Meter:						
			Utility:	Idaho Power	Serial Number:	45987770			
			Main HP:	500.00	Boost HP:	0.00			
			Pole Number:	07S29E0701	Multiplier:	80.00			
			Manufacturer:	General Electric	Disk Constant:	1.80			

WR 35-14241