



JUN 18 2010

**DEPARTMENT OF
WATER RESOURCES**

June 16, 2010

Cherie Padilla
Sr. Water Resource Agent
Water Allocation Bureau
322 East Front Street
Boise, ID 83720-0098

Subject: Supplemental Information for Permit 63-12470 Beneficial Use Field Examination

Dear Cherie:

As a supplement to the Beneficial Use Field Examination for permit 63-12470, enclosed please find a field map and irrigation logs for the 2008 and 2009 irrigation seasons. Annual diversion volume for the 63-12461 place of use is summarized below and submitted in compliance with reporting requirement of the permit.

							Total Acres or Acre Feet
Field Number	131	133	240	342	351	431	
Acres within 63-12470 POU	64	98	6	6	127	65	366
2008 AF Applied Per Acre	0	0	2.12	3.6	1.9	0	
2008 Total Acre Feet	0	0	12.7	21.6	241.3	0	275.6
2009 AF Applied Per Acre	0.24	0.24	2.3	1.99	1.23	0	
2009 Total Acre Feet	15.4	23.5	13.8	21.6	156.2	0	230.5

Flow meter readings from the wells or pump power records are not suitable for determining diversion rate for the permit place of use because the place of use under this permit is only a small portion of the area served by the 12-well interconnected irrigation system. Therefore, the annual diversion volume for the permit place of use was calculated based on (1) weekly sprinkler run times for each field within the place of use, (2) the corresponding design flow rates for the field, and (3) the permit acres within the field. This calculation is the most accurate available for determination of annual irrigation volume within the place of use.

Please note the following.

1. Irrigation of Field 431 within the 63-12470 place of use did not begin until April 2010. As a result, no volumes were reported for 2008 or 2009.
2. Full irrigation of Fields 131 and 133 also began in April 2010. However, some irrigation for field preparation purposes occurred in September and October 2009 and is reported for 2009.

Please contact me with any questions.

Sincerely,



Terry M. Scanlan, P.E., P.G.
Certified Water Right Examiner No. 11-129

Cc: Jim Pardy, Assistant City Engineer

2009 Irrigation Log Gross Irrigation Water Amounts

Field	Original Acres	Watkins/ Nich Acres	2009 Crop	APRIL Total	May 4 thru 10	May 11 thru 17	May 18 thru 24	May 25 thru 31	MAY Total	Jun 1 thru 7	Jun 8 thru 14	Jun 15 thru 21	Jun 22 thru 28	JUNE Total	Jun 29 thru Jul 5	Jul 6 thru 12	Jul 13 thru 19	Jul 20 thru 26	Jul 27 thru Aug 2	JULY Total	Aug 3 thru 9	Aug 10 thru 16	Aug 17 thru 23	Aug 24 thru 30	AUG Total	Aug 31 thru Sep 6	Sep 7 thru 13	Sep 14 thru 20	Sep 21 thru 27	SEP Total	Sep 28 thru Oct 4	Oct 5 thru 11	Oct 12 thru 18	Oct 19 to 25	Annual Total (inches/acre)	Annual Total (inches/acre)	
Center Pivots																																					
111	135.6		Corn - Silage	1.02	0.24	0.48	1.25	1.97	1.20	0.00	0.00	0.00	1.25	2.45	1.00	2.21	2.13	2.50	2.50	10.34	1.50	2.50	1.50	1.00	6.50	1.50	2.00			3.50					25.78	2.15	
113	143.7		Tricalc/Corn-Silage	3.01	0.25	0.00	0.66	0.91	0.80	0.32	0.00	0.60	1.72	0.50	1.00	2.00	2.00	2.50	2.50	8.00	1.50	2.00	1.50	2.00	7.00	2.00	2.50			7.00					27.64	2.30	
115	135.3		Winter Wheat	3.13	0.25	0.75	2.00	2.00	2.00	2.50	1.00	2.00	7.50	2.00	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50			2.50					20.13	1.68	
122b	6.2		Corn - Silage																																	0.00	0.00
122d	6.2		Tricalc/Corn-Silage																																	0.00	0.00
131	63.1	70.0	Alf / Fallow																														0.33	0.33		2.83	0.24
133	33.0	105.0	Alf / Fallow																														0.33			2.83	0.24
211	131.7		Corn - Silage	1.04	0.20	0.76	0.84	1.80	0.90	0.00	0.30	2.19	3.39	1.88	1.70	2.50	3.00	2.50	11.58	2.00	2.00	2.00	1.00	7.00	1.19	1.50				2.69					27.50	2.29	
213	126.6		Alfalfa (Fall 07 plant)	4.12	0.25	0.85	0.00	1.50	2.60	3.50	2.00	1.00	0.00	6.50	1.50	2.00	2.50	2.50	1.00	9.50	3.00	2.00	3.00	0.50	8.50	2.00	1.50			5.00					36.22	3.02	
215	111.6		Winter Wheat	3.90	0.50	1.00	2.00	2.00	2.50	1.70	1.00	2.00	7.20	2.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50			2.50					21.10	1.76	
231	137.5		Corn - Silage	0.60	0.62	0.57	0.84	2.03	0.60	0.30	0.30	1.20	2.40	1.38	2.38	2.50	2.50	3.00	11.76	2.50	3.00	2.50	2.50	10.50	1.50				1.50					28.79	2.40		
240	9.2	4.6	Corn - Silage	0.60	0.40	0.60	0.98	1.98	0.90	0.30	0.30	1.80	3.30	1.68	2.58	3.00	2.50	3.00	12.76	1.50	3.00	1.50	1.00	7.00	2.00				2.00					27.64	2.30		
311	133.9		Alfalfa (Spring 09 re-plant)	0.77	0.50	0.19	2.00	2.69	0.00	1.50	0.50	0.00	2.00	2.00	2.50	2.50	0.19	2.50	9.69	3.00	1.50	3.00	0.00	7.50	2.00	1.50				4.50					27.15	2.26	
313	142.9		Alfalfa (existing)	2.46	0.54	0.00	1.50	2.04	3.50	3.00	3.00	1.00	10.50	0.50	3.00	2.50	2.50	0.00	8.50	3.00	2.00	3.00	0.00	8.00	2.50	2.00				5.50					37.00	3.08	
331	132.6		Winter Wheat	2.37	0.25	0.88	0.57	1.50	3.20	2.00	1.50	1.00	1.00	5.50	2.00	0.50	0.00	0.00	2.50	0.00	2.50	0.00	0.00	0.00	0.00	0.00	1.50			1.50					15.07	1.26	
333	129.5		Corn - Silage	0.40	0.74	0.49	0.65	1.88	0.90	0.30	0.00	0.50	1.70	1.33	1.80	2.00	2.00	2.50	9.63	2.50	2.50	2.50	2.00	9.50	2.50	2.00				6.50					29.61	2.47	
335	121.0		Alfalfa (2007)	3.26	0.30	0.86	1.50	2.66	3.00	2.50	2.00	1.00	8.50	0.50	2.00	2.50	2.66	1.00	8.66	1.00	1.66	1.00	0.00	3.66	1.50	3.00				5.50					32.24	2.69	
337	136.5		Pasture	1.60	0.50	1.00	1.50	3.00	1.20	0.50	0.50	0.50	2.70	1.50	2.00	2.50	2.00	2.50	10.50	1.00	1.00	1.00	1.00	4.00	1.00	0.50				2.10					23.90	1.99	
342	5.8		Winter Wheat	3.70	0.50	0.90	1.50	4.40	2.09	1.50	0.60	1.00	5.19	1.50	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00					14.79	1.23	
351	138.9		Alfalfa (Spring 09 plant)	1.05	0.80	0.48	1.50	2.78	0.00	0.50	0.25	0.30	1.05	0.90	0.50	1.54	2.47	2.21	7.62	2.47	2.47	2.47	0.00	7.41	0.00	2.00				4.00					23.91	1.99	
353	136.7		Alfalfa (Spring 09 plant)	1.40	0.90	0.50	1.80	3.20	0.00	0.50	0.50	0.30	1.30	1.20	0.90	1.80	2.40	2.50	8.80	3.00	2.50	3.00	0.00	8.50	1.00	2.00				4.50					27.70	2.31	
355	129.0		Pasture	2.00	0.50	1.00	1.50	3.00	1.00	0.50	0.50	0.50	2.50	1.50	2.00	2.00	1.00	2.00	8.50	2.00	1.50	2.00	2.50	2.50	8.00	1.00	0.60			2.20					26.20	2.18	
404	12.4		Corn - Silage	0.50	0.80	0.40	0.85	2.05	0.90	0.30	0.30	1.90	3.40	0.86	3.00	3.00	3.00	3.00	12.86	3.00	2.50	2.00	2.50	10.00	1.00	3.00				5.50					34.31	2.86	
411	130.2		Winter Wheat	3.01	0.25	0.75	2.00	2.00	5.00	2.00	0.50	2.00	7.00	1.50	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00				1.57					18.08	1.51	
413	135.6		Corn - Silage	0.50	0.25	0.30	0.50	1.05	0.90	0.30	0.80	1.50	3.50	2.00	3.00	2.00	2.00	1.00	10.00	2.00	2.50	2.00	2.50	9.00	2.50	2.00				5.50					29.55	2.46	
415		135.0	Winter Wheat	2.90	0.45	0.95	2.00	4.35	2.00	2.00	0.50	2.00	6.50	1.50	0.00	0.00	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00				1.66			0.64		17.55	1.46	
Wheel-Line Fields																																					
131	75.6		Alfalfa (Fall 07 plant)	6.11	0.00	1.93	0.00	1.61	3.54	1.93	1.13	0.96	0.00	4.02	2.25	2.25	2.25	1.13	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00					23.79	1.98	
134	35.9		Alfalfa (Fall 07 plant)	6.11	0.00	1.93	0.00	1.61	3.54	1.93	1.13	0.96	0.00	4.02	2.25	2.25	2.25	1.13	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00					23.79	1.98	
223	111.4		Alfalfa (2007)	4.57	0.00	1.71	0.00	1.43	3.14	2.00	1.00	0.86	0.00	3.86	1.71	2.00	2.00	0.14	1.43	5.86	2.00	2.00	0.29	1.20	5.49	2.00	2.00			4.00					28.34	2.36	
235	78.5		Alfalfa (2007)	4.57	0.00	1.71	0.00	1.43	3.14	2.00	1.00	0.86	0.00	3.86	1.71	2.00	2.00	0.14	1.43	5.86	2.00	2.00	0.29	1.20	5.49	2.00	2.00			4.00					28.34	2.36	
251	80.0		Alfalfa (Spring 08 plant)	5.43	0.00	1.71	0.00	1.14	2.86	2.00	1.00	0.86	0.00	3.86	1.43	2.00	2.00	0.29	1.43	5.71	2.00	2.00	0.29	1.43	5.71	2.00	2.00			4.00					29.00	2.42	
431	76.9		Alfalfa (2005)	4.80	0.00	1.80	0.00	1.80	3.60	1.80	1.05	0.90	0.60	4.35	2.10	2.10	2.10	0.75	2.10	9.15	2.10	1.80	0.00	1.80	5.70	2.10	2.10			4.20					31.80	2.65	

June 2009, revised 131/133 to 2.25 inches per week, 431 to 2.1 inches per week based on actual measurements

2008 Irrigation Log Gross Irrigation Water Amounts

Field	Original Acres	Weeks Acres	2008 Crop	April 7 thru 13	April 14 thru 20	April 21 thru 27	April 28 thru May 4	APRIL Total	May 5 thru 11	May 12 thru 18	May 19 thru 25	May 26 thru Jan 1	MAY Total	Jun 2 thru 8	Jun 9 thru 15	Jun 16 thru 22	Jun 23 thru 29	JUNE Total	Jun 30 thru Jul 6	Jul 7 thru 13	Jul 14 thru 20	Jul 21 thru 27	Jul 28 thru Aug 3	JULY Total	Aug 4 thru 10	Aug 11 thru 17	Aug 18 thru 24	Aug 25 thru 31	AUG Total	Sep 1 thru 7	Sep 8 thru 14	Sep 15 thru 21	Sep 22 thru 28	SEP Total	Sep 29 thru Oct 5	Oct 6 thru 12	Oct 13 thru 19	Annual Total (ac- inched)	Annual Total (gals)
-------	----------------	-------------	-----------	--------------------	---------------------	---------------------	------------------------	----------------	------------------	-------------------	-------------------	----------------------	--------------	-----------------	------------------	-------------------	-------------------	---------------	----------------------	------------------	-------------------	-------------------	----------------------	---------------	------------------	-------------------	-------------------	-------------------	--------------	-----------------	------------------	-------------------	-------------------	--------------	----------------------	------------------	-------------------	---------------------------------	------------------------

Center Pivots

111	135.6		Corn - Silage		0.44	0.00	0.00	0.44	1.00	0.48	1.10	0.00	2.58	0.40	0.80	1.84	1.22	4.26	3.00	2.50	3.00	2.00	2.00	12.50	2.00	2.00	2.50	2.50	9.00	2.00	0.00	0.00	2.00	0.00			30.78	2.57	
113	143.7		TricalciumCorn-Silage	0.44	1.00	1.20	1.50	4.14	1.50	3.00	0.00	0.00	4.50	0.22	1.32	3.50	1.32	6.36	2.20	2.22	2.50	2.00	2.50	11.42	2.00	2.00	2.50	2.50	9.00	1.50	0.50	0.25	0.00	2.25	0.00			37.67	3.14
115	135.3		Corn - Silage			0.50	0.00	0.50	0.60	0.54	0.90	0.30	2.34	0.25	0.80	2.40	0.75	4.20	2.85	2.50	3.00	2.50	2.50	13.35	1.68	2.50	3.00	3.00	10.18	2.00	0.50	0.00	0.00	2.50	0.18			33.25	2.77
211	131.7		Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	2.00	2.50	2.00	8.50	1.50	1.50	2.50	2.50	8.00	3.00	1.50	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			25.45	2.12
213	126.6		Alfalfa (Fall 07 plant)	0.44	0.80	1.20	0.50	2.94	0.50	2.00	2.50	0.50	5.50	0.00	1.50	2.50	2.10	6.10	2.50	0.00	2.50	2.50	1.00	8.50	0.50	2.50	2.50	2.50	8.00	1.00	0.00	0.00	0.00	1.00	0.00			32.04	2.67
215	111.6		Corn - Silage			0.50	0.00	0.50	0.60	1.25	0.80	0.50	3.15	0.40	0.80	1.80	1.25	4.25	3.00	2.00	2.00	3.50	3.00	13.50	3.00	2.50	2.00	2.00	9.50	2.50	0.50	0.00	0.00	3.00	0.00			33.90	2.83
231	137.5		Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	1.50	2.50	0.50	6.50	1.50	1.50	2.50	2.50	8.00	3.00	1.50	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			22.45	1.95
240	9.2	4.6	Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	2.50	2.50	2.00	9.00	1.50	1.50	3.00	2.00	8.00	2.50	1.50	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			25.45	2.12
311	133.9		Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	1.50	2.50	2.00	8.00	1.50	1.50	2.50	2.50	8.00	2.50	1.50	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.14	2.14	0.96			27.55	2.30
313	142.9		Alfalfa (existing)	0.46	1.00	1.20	0.00	2.66	0.50	1.50	2.50	0.00	4.50	0.00	1.00	2.00	2.50	5.50	2.50	0.00	1.50	3.00	2.50	9.50	0.50	0.00	3.00	3.00	6.50	1.00	0.00	0.00	0.00	1.00	0.00			28.66	2.47
331	132.6		Corn - Silage		0.44	0.00	0.00	0.44	1.00	0.75	0.50	0.19	2.44	0.19	0.40	2.00	0.75	3.34	3.00	2.50	3.00	2.50	3.00	14.00	3.00	2.50	2.50	2.50	10.50	2.50	0.50	0.00	0.00	3.00	0.00			33.72	2.81
333		129.5	Corn - Silage			0.00	0.00	0.00	0.60	2.00	1.35	0.60	4.55	0.00	0.40	1.20	2.00	3.60	1.50	2.00	2.00	1.50	3.00	10.00	2.50	2.50	2.50	2.50	10.00	2.50	0.50	0.25	0.00	3.25	0.00			31.40	2.62
335		121.0	Alfalfa (existing)	0.48	1.00	1.20	0.00	2.68	0.50	2.50	1.30	0.00	4.30	0.50	2.00	3.00	2.50	8.00	2.00	0.00	2.00	2.50	1.00	7.50	1.50	3.50	2.50	2.50	10.00	1.00	0.00	0.00	1.00	0.00			33.48	2.79	
337		136.5	Pasture	0.20	0.80	1.00	1.20	3.20	1.00	1.00	2.00	1.50	5.50	1.50	1.50	2.00	2.50	7.50	3.00	2.00	1.50	2.50	3.00	12.00	1.50	3.00	2.50	2.50	9.50	2.50	2.00	1.50	1.00	7.00	1.50			46.20	3.85
342	5.8	17.3	Corn - Silage			0.50	0.00	0.50	0.60	1.75	1.20	0.80	4.35	0.40	0.40	2.00	2.50	5.30	1.00	3.00	3.50	3.50	3.00	14.00	3.50	3.50	3.50	3.50	14.00	3.50	1.50	0.00	0.00	5.00	0.00			43.15	3.60
351		138.9	Winter Wheat	0.75	1.00	0.00	1.50	3.25	2.00	2.00	2.00	2.00	8.00	1.00	1.50	2.50	2.50	7.50	2.50	1.50	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			22.75	1.90
353		136.7	Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	2.00	2.50	2.00	8.50	1.50	1.50	2.50	2.50	8.00	2.50	1.50	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			24.95	2.08
355		129.0	Pasture	0.20	0.80	1.00	1.20	3.20	1.00	1.90	1.50	2.00	6.40	1.50	1.50	2.00	2.50	7.50	2.00	2.00	2.00	1.50	2.50	10.00	2.50	2.50	2.50	2.50	10.00	2.00	2.50	0.00	1.50	6.00	1.50			44.60	3.72
404	12.4		Winter Wheat	0.75	1.00	1.20	1.50	4.45	2.00	2.00	2.50	2.00	8.50	1.50	1.50	2.50	3.00	8.50	3.50	2.00	0.00	0.00	0.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			26.95	2.25
411	130.2		Alfalfa (existing)	0.38	1.00	1.20	0.00	2.58	0.50	2.00	1.50	0.00	4.00	1.50	2.50	2.50	1.30	7.80	0.60	0.50	2.70	2.70	2.50	9.00	2.00	0.00	1.80	1.80	5.60	0.00	0.00	1.00	0.38	1.38	0.96			31.32	2.61
413	135.6		Winter Wheat	0.75	1.00	1.50	1.50	4.75	2.00	2.00	2.65	2.50	9.15	1.50	1.50	3.00	2.50	8.50	3.00	1.50	0.00	0.00	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.57	0.00			27.47	2.29
415		135.0	Oats					0.00	0.70	1.30	0.30	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.96	1.92	1.92	1.76	1.76	8.32	1.56	1.40	1.75	1.75	6.46	1.05	0.00	1.50	0.00	2.55	0.16			19.79	1.65

Wheel-Line Fields

131	75.6	Alfalfa (Fall 07 plant)	2.00	2.00	1.00	1.00	6.00	1.40	1.40	1.40	0.00	4.20	0.20	1.40	1.40	1.40	4.40	1.00	0.40	1.40	1.40	1.40	4.20	0.60	0.00	1.40	1.40	3.40	0.90	0.00	0.00	0.00	0.90	0.00				24.50	2.04	
134	35.9	Alfalfa (Fall 07 plant)	2.00	2.00	1.00	1.00	6.00	1.40	1.40	1.40	0.00	4.20	0.20	1.40	1.40	1.40	4.40	1.00	0.40	1.40	1.40	1.40	4.20	0.60	0.00	1.40	1.40	3.40	0.90	0.00	0.00	0.00	0.90	0.00				24.50	2.04	
223	111.4	Alfalfa (existing)	2.00	2.00	1.00	1.00	6.00	1.30	1.30	1.30	0.00	3.90	0.56	1.30	1.30	1.30	4.46	0.93	0.19	1.11	1.30	0.84	3.53	0.00	1.02	1.30	1.30	3.62	0.56	0.00	0.00	0.00	0.56	0.00				22.90	1.91	
235	78.5	Alfalfa (existing)	2.00	2.00	1.00	1.00	6.00	1.15	1.15	1.15	0.00	3.45	0.56	1.30	1.30	1.30	4.46	0.93	0.19	1.11	1.30	0.84	3.53	0.00	1.02	1.30	1.30	3.62	0.56	0.00	0.00	0.00	0.56	0.00				22.45	1.87	
251	80.0	Alfalfa (Spring 08 plant)	2.00	2.00	1.00	1.00	5.00	1.15	1.15	1.15	0.00	3.45	0.99	1.15	0.49	1.15	3.78	1.15	0.00	0.99	1.15	0.66	3.29	0.00	1.15	1.15	3.45	0.49	0.00	0.00	0.00	0.49	0.00				20.11	1.68		
431	76.9	Alfalfa (existing)	2.00	2.00	1.00	1.00	6.00	1.30	1.30	1.30	0.00	3.90	0.93	1.30	0.74	1.11	4.09	0.00	1.11	1.30	0.74	0.37	3.16	1.30	1.30	1.30	0.93	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00				22.34	1.86
3.043.8																																								

3.043.8