

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-07299
Exam Date: 7/18/2014

1. Current Owner:
CITY OF MALAD 59 BANNOCK ST MALAD ID 83252 (208)766-4160
2. Accompanied by: Rod Tubbs
Phone No: 208 766 3044
Relationship to Permit Holder: City of Malad Superintendent

3. **SOURCE:**
GROUND WATER

TRIBUTARY:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 15-7151. The city also has two statutory claims to springs that sometimes serve the city, primarily for irrigation purposes: 15-4078 and 15-4166.
2. Other water rights with the same point-of-diversion: 15-7151

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE¼NW¼ Sec. 21, Twp 14S, Rge 36E, B.M. ONEIDA County
GROUND WATER NW¼SE¼ Sec. 21, Twp 14S, Rge 36E, B.M. ONEIDA County
GROUND WATER SW¼NW¼ Sec. 21, Twp 14S, Rge 36E, B.M. ONEIDA County
GROUND WATER SE¼SW¼ Sec. 16, Twp 14S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS and ArcMap

2.

PLACE OF USE: CITY OF MALAD MUNICIPAL SERVICE AREA (LARGE POU)

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14S	36E	15											X						
14S	36E	16								X			X	X			X	X	
14S	36E	21	X	X	X	X	X			X					X	X	X	X	
14S	36E	22						X	X			X	X	X			X		
14S	36E	27	X			X	X	X	X	X	X			X					
14S	36E	28	X	X	X	X													

Method of Determination: GPS and ArcMap

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 X Aerial Photo Attached (required for irrigation of 10+ acres).

 X Photo of Diversion and System Attached

4. Four wells:

Well #1 (Sec 16 SESW): 100 HP

Well #2 (Sec21 SENW): 60 HP

Well #3 (Sec 21NWSE): 50 HP

Well #4: (Sec 21 SWNW): 100 HP

D. FLOW MEASUREMENTS

Measurements on wells 1 – 3 found in 15-7151's field exam.

Well 1: 651 gpm / 448.83 gpm/cfs = 1.45 cfs

Well 2: 500 gpm / 448.83 gpm/cfs = 1.11 cfs

Well 3: 311.2 gpm / 448.83 gpm/cfs = 0.69 cfs

Measurements on well 4 conducted by JUB Engineers, Inc: 1.765 cfs

E. FLOW CALCULATIONS

Wells one and four run together throughout the summer. Wells two and three are backup wells that are only used in the event that wells one or ~~four~~ fail. This is a non-RAFN right, so it will be limited to the combined rate of wells one and four.

Well 1: 1.45 cfs

well 4: 1.77 cfs

Total from the wells 1 and 4: 3.22 cfs

Right 15-7151 covers 2.23 cfs of the 3.22 cfs.

This right will be licensed for the remaining 0.99 cfs

F. VOLUME CALCULATIONS

According to Application Processing Memo No. 18 and Licensing Memo No. 1, dated October 19, 2009, non-RAFN municipal licenses receive no volume limitations.

G. NARRATIVE/REMARKS/COMMENTS

Wells one and four run during the summer to storage tanks that supply the city's municipal needs. Wells two and three are backups.

According to Superintendent Tubbs, the springs claimed under rights 15-4078 and 15-4166 run into concrete storage tanks. When the tanks overflow, water goes into a ditch also known as the channel of Deep Creek. Some people along the ditch use the water for irrigation and stock watering purposes.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**BENEFICIAL USE

MUNICIPAL

PERIOD OF USE

01/01 to 12/31

DIVERSION RATE

0.99 CFS

ANNUAL VOLUMETotals:

0.990 CFS

2. Recommended Amendments☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ None**I. AUTHENTICATION**

Field Examiner's Name _____ Cooper Fritz _____ Date _____ 1/6/2017 _____

Reviewer _____ Date _____



"Well #4"

14S 36E 21 SWNW