

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-07822

Exam Date: 9/9/2016

1. Current Owner:
KOOTENAI SCHOOL DISTRICT #274 13030 E OGARA RD HARRISON ID 83833 (208)689-3631
2. Accompanied by: Bob Dionne
Relationship to Permit Holder: Maintenance Supervisor
3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 94-7783
2. Other water rights with the same point-of-diversion: 94-7783

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

GROUND WATER NW¼NW¼ Sec. 25, Twp 47N, Rge 03W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD location at 47° 23.979, 116° 40.273 (A0020016)

2.

PLACE OF USE: MUNICIPAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
47N	03W	23															X	X	

Method of Determination: Google Earth and Arc map.

3.

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

☒

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

☒

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

☒

Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1950'S WELL		15			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: FLOW RATE FOR THIS RIGHT IS BEING ISSUED TO MATCH DECREED WATER RIGHT 94-7783 FOR DOMESTIC PURPOSES.

E. FLOW CALCULATIONS

Measured Method:

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Other Uses: 4.0 ACRE FEET ON LICENSE IS THERE TO MATCH DECREED WATER RIGHT 94-7783 FOR DOMESTIC USE.

G. NARRATIVE/REMARKS/COMMENTS

Field exam with Bob Dionne showed a 1950's well serving the Kootenai School District 274. Well was equipped with a 15hp pump and Mr. Dionne said he had heard the well was 210 feet deep. Because of the way the system was setup, there was no way to perform a measurement. Mr. Dionne provided me with the meter readings from 9-2-2015 to 9-2-2016 which was equal to 2.2 acre feet for in school use. Irrigation was only the football field and irrigation around the school. Irrigation was on a separate pipe and did not have a meter on it.

Permit was issued for two wells and we proceeded to go down the street to the 2nd well. A 5 gallon bucket test was performed on that well and was equal to 36gpm. That well serviced a volunteer fire station across the street. Mr. Dionne did say that the two wells were not interconnected. In a phone call to the fire chief, Larry Nacarato, he said the fire station averaged 4,000 gallons a month in the winter and 10,000 gallons per month in the summer time. This well cannot be included on the license because it is not connected to the school's system. Because the usage is so low, it falls under part B of the domestic exemption of up to 2,500 gallons per day.

In licensing review, a recently decreed water right for the school was found 94-7783. It was decreed with a 1957 priority date and was for domestic and irrigation. The domestic was for 3 schools and a service building with an annual volume of 4.0 acre feet. The irrigation was for 10 acres around the school with an annual volume of 30.0 acre feet. It was discussed within the department and then with Mr. Dionne that this right was not needed for municipal because the department could not include the fire station and a smaller annual volume would be given. Mr. Dionne was not the one who applied, but he thought the application was done to include the fire station and to cover the treated wastewater irrigation.

It was discussed within the department how to cover the effluent irrigation under this right since the applicant had already paid \$350. It was finally decided to issue this license for municipal and identify the 1950's well and identify the field where the effluent irrigation was occurring. Mr. Dionne said they are moving the irrigation around the property they own adjacent to the treatment ponds. The irrigation occurring in 2015 was equal to 5 acres of land. It was agreed the within the department that the license should be issued for the same diversion rate as the domestic was decreed which is 0.36cfs. The license will be issued for municipal with an annual volume of 4.0 acre feet. License will have overlap condition with 94-7783 that will limit the two to a diversion rate of 0.36cfs and an annual volume of 34.0 acre feet. License will also have condition 919 which is generally used for power generation, but will be tweaked for this license for treated municipal wastewater irrigation.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MUNICIPAL	01/01 to 12/31	0.36 CFS	4.0 AF
	<u>Totals:</u>	0.360 CFS	4.00 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Fendrich Date 5-3-2017

Reviewer Morgan Case Date 5/5/2017

State of Idaho
Department of Water Resources
Attachment to Field Exam
94-7822

MUNICIPAL

03W

47N



Point of Diversion



Water Service Area Boundary



Townships



PLS Sections



State of Idaho
Department of Water Resources
Attachment to Field Exam
94-7822

SYSTEM DIAGRAM

03W



0 0.05 0.1 0.2 Miles

- Point of Diversion
- Water Service Area Boundary
- Townships
- PLS Sections



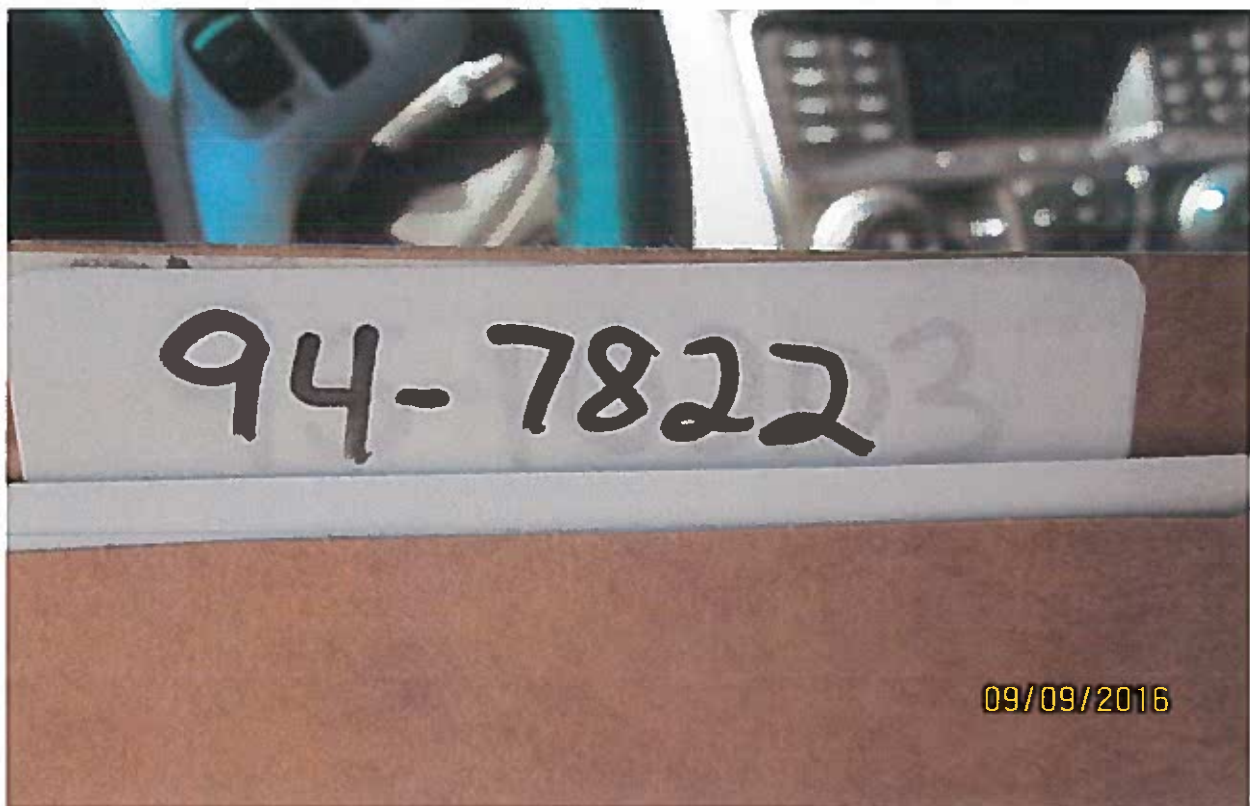
Links

Return Links

Water Systems

Service Areas

FOR REVIEW PURPOSES



Well drilled in the 1950's, no well log found, given IDWR tag A0020016.



Google Earth image from 8/26/2014 showing construction of system.