

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 63-31235

Priority: March 31, 2001

Maximum Diversion Rate: 1.41 CFS

It is hereby certified that CITY OF HOMEDALE
 PO BOX 757

 HOMEDALE ID 83628 has complied with the terms and conditions of the
permit, issued pursuant to Application for Permit dated March 09, 2001; and has submitted Proof of
Beneficial Use on July 23, 2003. An examination confirms water is diverted from:

SOURCE

GROUND WATER

and a water right has been established as follows:

BENEFICIAL USE

MUNICIPAL

PERIOD OF USE

01/01 to 12/31

DIVERSION RATE

1.41 CFS

LOCATION OF POINT(S) OF DIVERSION:

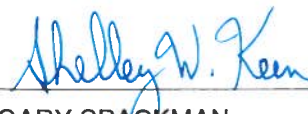
GROUND WATER SE1/4SW1/4 Sec. 34, Twp 04N, Rge 05W, B.M. CANYON County

CONDITIONS OF APPROVAL

1. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustration purposes.
2. Place of use is within the service area of the City of Homedale municipal water supply system as provided for under Idaho Law.
3. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
4. The issuance of this right does not grant any right-of-way or easement across the land of another.
5. The right holder shall not provide water diverted under this right for the irrigation of land having appurtenant surface water rights as a primary source of irrigation water except when the surface water rights are not available for use. This condition applies to all land with appurtenant surface water rights, including land converted from irrigated agricultural use to other land uses but still requiring water to irrigate lawns and landscaping.
6. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.
7. Rights 57-7027, 57-7048, 57-7656, 57-10393, 57-11752, 63-9260, and 63-31235 when combined shall not exceed a total diversion rate of 3.87 cfs.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 18th day of March, 2015.


for GARY SPACKMAN
Director

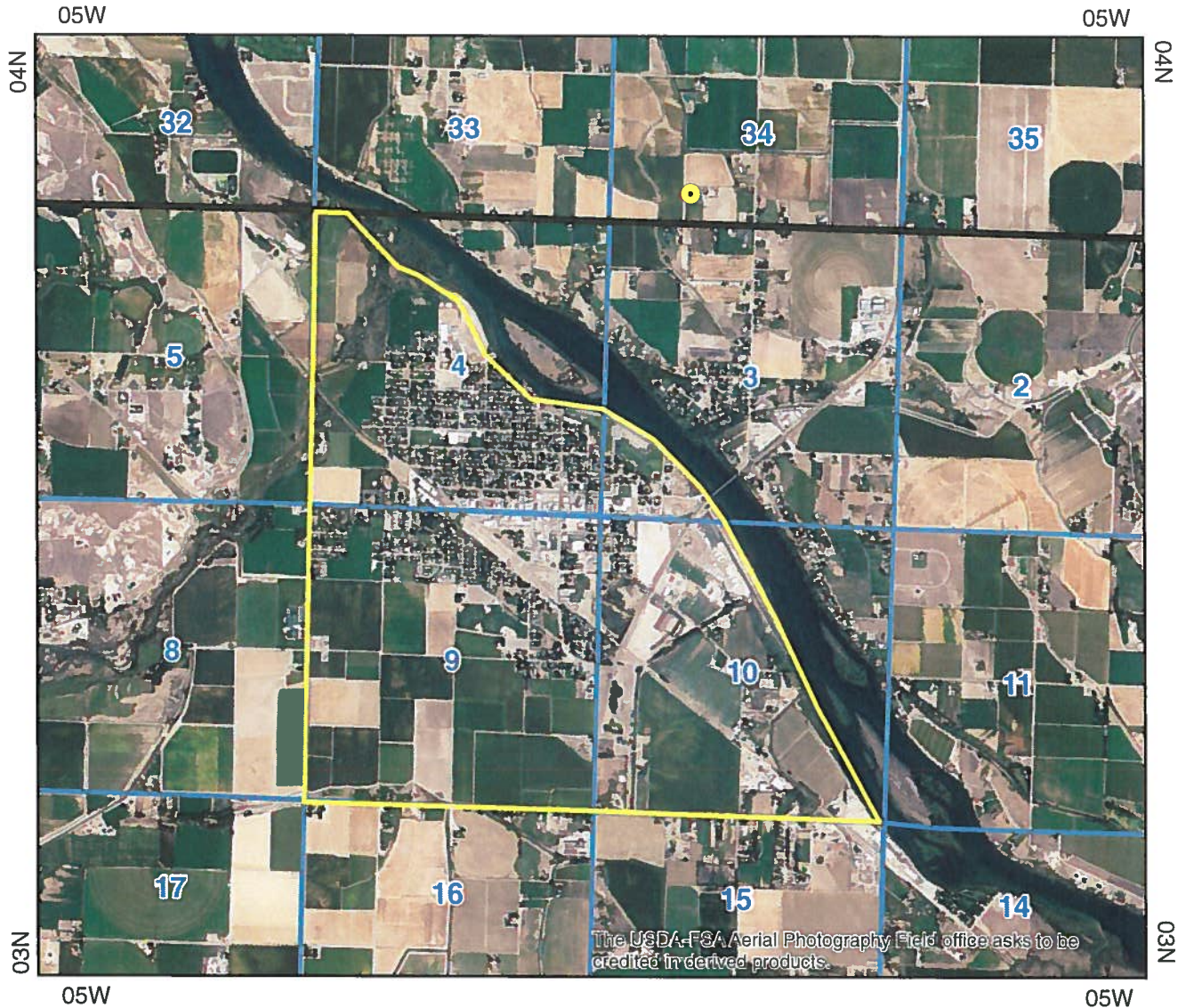
SCANNED
MAR 23 2015

City Of Homedale

Attachment To Water Right License

63-31235

This map depicts the MUNICIPAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



● Point of Diversion

Water Service Area Boundary

Townships

PLS Sections

0 0.375 0.75 1.5 Miles

SCANNED
MAR 23 2015





State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 19, 2015

CITY OF HOMEDALE
PO BOX 757
HOMEDALE ID 83628

RE: License Nos. 57-11752 & 63-31235

Issuance of Licenses

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right Licenses confirming that water rights have been established in accordance with your permits. Please be sure to thoroughly review the conditions of approval and remarks listed on your licenses. Also enclosed is a copy of the approved application for amendment.

The licenses are PRELIMINARY ORDERS issued by the Department pursuant to section 67-5243, Idaho Code. They can and will become final orders without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4951.

Sincerely,

Pamela Skaggs

Water Rights Supervisor

Enclosure(s)

SCANNED
MAR 23 2015

CERTIFICATE OF SERVICE

I hereby certify that on March 20, 2015, I mailed true and correct copies, postage prepaid, of the foregoing PRELIMINARY ORDERS (Approved Licenses) to the person(s) listed below:

RE: WATER RIGHT NOS.

57-11752 & 63-31235

**CITY OF HOMEDALE
PO BOX 757
HOMEDALE ID 83628**

A handwritten signature in black ink, reading "Darla Block", is written over a horizontal line.

**Darla Block
Technical Records Specialist**

SCANNED
MAR 23 2015

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

MEMORANDUM

TO: File 63-31235

FROM: Daniel Nelson – Staff Hydrologist

DATE: March 6, 2015

SUBJECT: Licensing Review for 63-31235

This is the licensing review of the field exam submitted by Sandy Hemenway formerly in our state office. The field exam was done on August 2, 2012. The system associated with this permit allowed for a single well located in the SESW quarter of Section 34, Township 4 North, Range 5 West, BM. The field exam has some issues that need to be addressed to prior to licensing of the permit.

Diversion Rate:

Ms. Hemenway used a theoretical calculation and actual measurement to determine the flow rate of this well. Unfortunately, Ms. Hemenway did not provide any information or data to back up her calculations, and did not measure the well at the full capacity of the well. Ms. Hemenway did supply pictures showing the variable speed drive that stated it was operating at 59.4% capacity. With this information, I worked through the attached theoretical flow rates, which show a maximum capacity of this well of 1.41 cfs. I am recommending a diversion rate of 1.41 cfs. Please see attached sheet for my justification for this recommendation.

Diversion Volume:

This permit is for a municipal use for the City of Homedale, so no volume will be assigned to this permit.

Points of Diversion:

Ms Hemenway used GPS to locate the well for this system. I agree with Ms. Hemenway's well location site.

Conditions:

Most of the conditions were carried over to the license from the permit. Ms. Hemenway did add condition 075 restricting the ability to irrigate parks and other open areas, however, this condition is only for municipal water rights in restricted areas. The restricted area for Basin 63 no longer goes this far south, so this condition is not pertinent to this permit and should not be added to the license.

This water right had a condition that limited the water bearing zone to 244 to 285 feet. The actual water bearing zone that was used was 255 to 305 feet. The reason for this discrepancy is that the monitoring well used had a water bearing zone of 235 to 285 feet. I believe they just estimated the water bearing zone too closely. There are 50 wells within ½ mile of the well in question, but all but 6 of the wells use a much shallower water bearing zone. Of the wells deeper than 200 feet, 4 of the wells are domestic wells, 1 is another City of Homedale well, and the other is a geothermal well that is drilled twice as deep if not more to tap into low temperature geothermal water. With the general closeness of the water bearing zone being tapped, it is reasonable to remove this condition from the license, since it no longer applies to this specific well.

This system has several wells that have been abandoned, or that are part of well rotation. Instead of having designated back up wells, the City uses all of the wells on a rotation to ensure that they are all used and maintained. This provides better maintenance on all of the wells.

Where all of the wells are not used at the same time, administration has asked us to determine to the best of our ability the maximum instantaneous diversion rate for the entire city system. A combined condition would then need to be added to prevent creating a water right similar to a reasonably anticipated needs right without going through the process.

The City supplied information that states that the maximum that they divert into their culinary system at one time is 1739 gpm or 3.87 cfs. According to the average hourly demand, this rate it does seem reasonable that they would divert the 3.87 cfs for their entire system. Therefore, water rights 57-7027, 57-7048, 57-7656, 57-11752, 63-9260, and 63-31235 when combined should be limited to the Reported Actual Peak Flow of 3.87 cfs. The condition should be as follows:

Rights 57-7027, 57-7048, 57-7656, 57-11752, 63-9260, and 63-31235 when combined shall not exceed a total diversion rate of 3.87 cfs.

Please see attached spreadsheet for analysis of this right.

File: 63-31235 and 57-11752
 Agent: Dan Nelson
 Date: 3/6/2015

CITY OF HOMEDALE MAXIMUM DIVERSION ANALYSIS

MDD	Low MDD Ratio	High MDD Ratio	Low ADD	High ADD	Low PHD Ratio	High PHD Ratio	Low 1 PHD	Low 2 PHD	High 1 PHD	High 2 PHD
839	1.5	3	559.3	279.7	2.25	4.5	1258.5	629.3	2517	1258.5

Reported Actual Flow (PID) = 1739 /448.8= 3.87 cfs

Estimated PID = 629.3 to 2517

Determining the actual peak instantaneous diversion rate for municipal system is difficult at best. The City of Homedale states that the Maximum Daily Diversion(MDD) is 839 gpm and the Peak Instantaneous Diversion (PID) is 1739 gpm. According to general estimations of the ratios between the MDD and the Peak Hourly Diversion (PHD) found on page 13 of the Reasonably Anticipated Needs Administrative Memo, you can calculate the PHD from the MDD by using a set of ratios that convert the MDD to the Average Daily Diversion(ADD) and then back to the PHD. The PHD is the closest diversion rate we can estimate using this method, but it should be reasonably close to the PID. The Reported PID is within the range of the Estimated PID. Taking this information into account, I would assume that the City's PID is very close to the 1739 submitted.

Water Right	Water Right Diversion Rate in cfs	Already Licensed Rate	
63-9260			
57-10393			
57-7027	2.56	2.56	
57-7048	0.04	0.04	
57-7656	0.24	0.24	
57-11752	0.49		Permit
63-31235	1.41		Permit
TOTAL	4.74	2.84	

The only licensed or decreed water rights listing the City of Homedale as part of the culinary system are water rights 63-9260, 57-10393, 57-7027, 57-7048, and 57-7656. The two new permits only add 1.03 cfs of water to the entire system. The combined rate of diversion when water rights 57-11752, 63-31235, 63-9260, 57-10393, 57-7027, 57-7048, and 57-7656 will need to be limited to 3.87 cfs.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 63-31235
 Reviewer: Dan Nelson
 Date of Review: 11/26/2014

P/D No.:

PUMP HORSEPOWER
 BOOSTER HORSEPOWER

PUMPING LEVEL

DISCHARGE PRESSURE

RATE OF FLOW (cfs)

Well at 59.4% of load on 60 Hp motor	Well At Full HpField Exam Numbers
35.64	60
0	0
142	142
52	52
0.84	1.41
376	633

calculates the
 formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

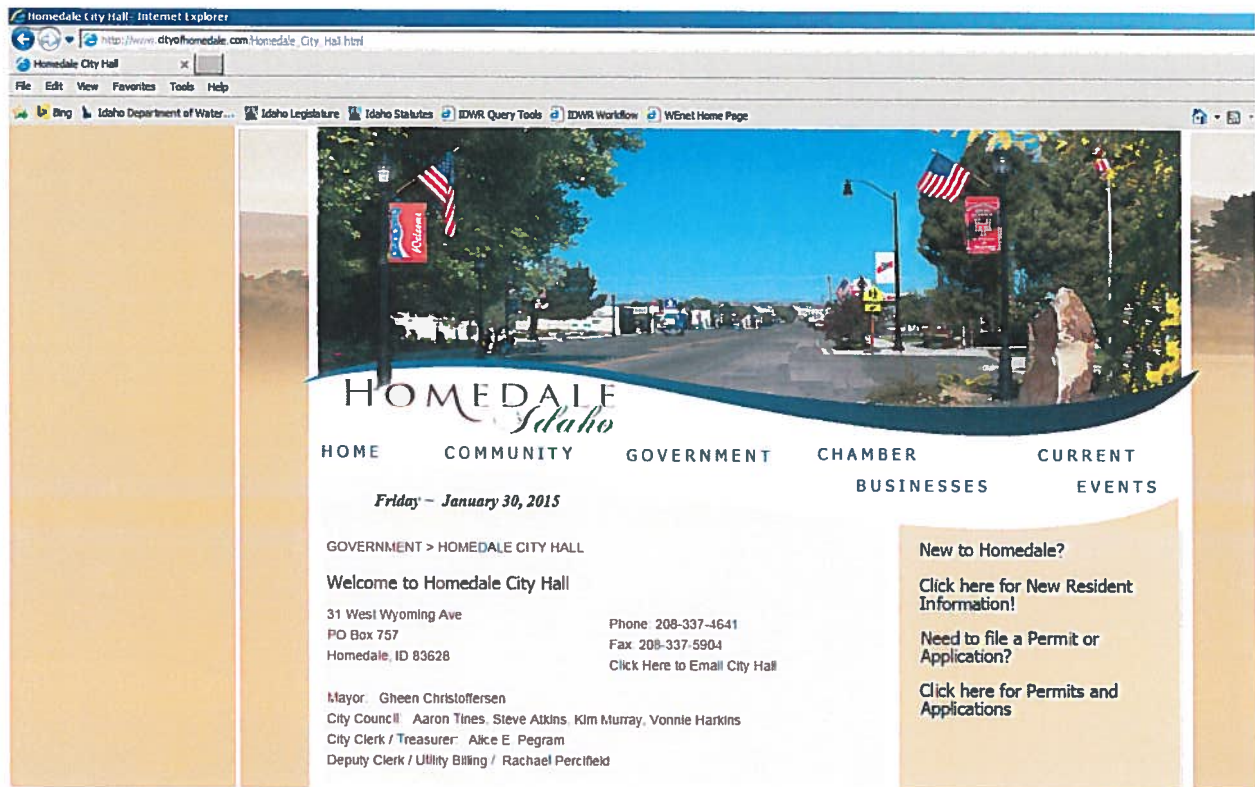
Examiners Notes:

My first review of this system, the numbers supplied by the field examiner didn't make any sense. Upon further review of the field exam and the photos for the field exam, I discovered that the well was on a variable speed drive. In the photo of the variable speed drive read out, it appears as though the well is operating at 59.4% of the Hp for the pump. Taking this information into account, the 60 Hp pump would be operating at 35.64 Hp (60 Hp X 0.594 = 35.64 adjusted Hp). Once you use the adjusted Hp, the numbers supplied by the field examiner make more sense. When this pump operates at 59.4 % of the Hp rating, the flow according to the theoretical calculations is 376 gpm. The flow meter reading taken by the field examiner was between 300 and 400 gpm, and she estimated the flow at 390 gpm from the meter. The 376 gpm from the adjusted Hp theoretical and the 390 gpm measured at the time of the exam are very close. The problem with this situation is that the pump system was not operating at full capacity. To operate at full capacity, the pump would need to be operating at 60 Hp. I created a theoretical calculation based on the full capacity of the pump, and found that at full capacity the flow rate would be 633 gpm or 1.41 cfs. I recommend that this system be licensed at 1.41 cfs.

Please Note:

The highest average daily flow in 2011 was 0.66 cfs or 296 gpm. This has to qualified to state that the pump may or may not have run all day long. Therefore, this number cannot be used. The maximum flow of the system should be used.

The following is a copy of the City of Homedale's current webpage as of 1/30/2015. This confirms that Gheen Christoffersen is the mayor of the City of Homedale. Mr. Christoffersen signed the amendment of permit and corrected the address on the amendment. The address will be corrected in Workflow.



63-31235

Gheen Christoffersen
Mayor



Alice E. Pegram
City Clerk-Treasurer

P.O. Box 757
Homedale, Idaho 83628

cityofhomedale@cablone.net

Phone 208-337-4641
Fax 208-337-5904

January 15, 2014

RECEIVED

State of Idaho Department of Water Resources
322 East Front Street
P.O. Box 83720
Boise, ID 83720-0098

JAN 21 2015
DEPARTMENT OF
WATER RESOURCES

RE: Water Right Permit No. 57-11752 and 63-31235

To Whom It May Concern:

I have compiled the information on the City of Homedale's water system you requested in the December 18, 2014 letter.

Maximum average daily diversion (MADD): 839 g.p.m.

This information was obtained from Well Flow Logs on file.

Peak Instantaneous Demand (PID): 1739 g.p.m.

This information was obtained from a Sanitary Survey conducted on May 5, 2011.
With this, I hope you can move forward with our water right licensing.

Thank you and if you require any further information, please let me know.

Sincerely,

Bret Smith
City of Homedale
Public Works Supervisor

Nelson, Dan

From: Nelson, Dan
Sent: Tuesday, January 13, 2015 7:25 AM
To: 'Bret Smith'
Subject: RE: Homedale Water Rights information

Bret,

I apologize for taking so long to respond to you. I was out of the office all day Friday and half the day Monday. You can use the Sanitary Surveys to show the capacity of each pump. To attain the Peak Instantaneous Demand (PID), we would then need to know the maximum number of pumps that have operated in the past at one time. For example, on March 2011, Pumps 1, 3, 4, 6 and 8 were in operation. We could then use the capacities for pumps 1, 3, 4, 6, and 8 from the sanitary survey to provide a reasonable estimate of the PID.

The Maximum Average Daily Diversion (MADD) should be relatively simple to calculate. You need to find the day that had the most total gallons per day and divide that down to an average gallon per minute rate. For example: On July 30, 2010, the city used a total of 2,750,000 gallons. $2,750,000 \text{ gallons} / 24 \text{ hours} / 60 \text{ minutes} = 1,909.7 \text{ gpm}$

I hope this helps. If there is anything else that I can do please let me know.

I appreciate your cooperation on this issue.

Daniel Nelson
Staff Hydrologist
Idaho Department of Water Resources
Telephone (208) 287-4856
Fax (208) 287-6700 (attn: Dan Nelson)

From: Bret Smith [<mailto:homedalepublicwks@cableone.net>]
Sent: Thursday, January 08, 2015 2:50 PM
To: Nelson, Dan
Subject: Homedale Water Rights information

Daniel,

Thanks for taking the time to answer my questions. I'll be working on gathering the information IDWR has requested over the next few days, and I hope to submit it Tuesday or Wednesday of next week. Is it acceptable to submit via email?

Just to review our conversation, it is sufficient to submit PID rates based on pump capacity information from recently conducted Sanitary Surveys (5/5/2011).

Secondly, I will scour my paper records and SCADA system capabilities to determine MADD data.

If this sounds acceptable, please let me know.

Thank you,

--

Bret Smith
City of Homedale
Public Works Supervisor
Office: 208-337-4641



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

December 18, 2014

CITY OF HOMEDALE
313 W WYOMING AVE
PO BOX 757
HOMEDALE ID 83628

RE: Water Right Permit No. 57-11752 and 63-31235

Ladies and Gentlemen:

On December 1, 2014, I sent you a letter requesting an amendment for water right 57-11752. That amendment was received, and the water right was submitted for licensing. However, the files were returned, and I have been asked to attain the answers to two questions concerning the City of Homedale's total water use needs before we can complete the licensing of the above two water rights. Please supply the following information:

- 1.) Our office will need the maximum average daily diversion (MADD) for the City of Homedale's system. This amount can be supplied in gallons per minute (gpm) or cubic feet per second (cfs). This flow rate is for the entire City of Glenn's Ferry from all of their water sources including springs, ground water, and the Snake River.
- 2.) Our office will also need the Peak Instantaneous Demand (PID) diversion rate that is required for the entire city. Once again this can be submitted in gpm or cfs, and must be for the entire City of Homedale's water system. This rate would be the absolute maximum rate of flow that is required to supply the City of Homedale during its highest period of use.

Once I receive the above information, I can move forward with the licensing of these two water rights. I do have to ask that this information be submitted within 30 days. If I do not receive the requested information from you by January 19, 2014, I will be forced to take action to void your permits under the provision of Section 42-219(8) of the Idaho Code.

Sincerely,

Daniel A. Nelson
Staff Hydrologist
Planning Bureau
Idaho Department of Water Resources
Telephone # (208) 287-4856
Email – dan.nelson@idwr.idaho.gov

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Sunday, April 13, 2014 12:05 PM
To: 'cityofhomedale@cableone.net'
Cc: Hemenway, Sandy; Saxton, Craig
Subject: City of Homedale (63-31235 and 57-11752) Attention: Larry Bauer

Importance: High

Larry,

We are currently in the process of conducting the licensing review for water rights 63-31235 (Ustick Well), and 57-11752 (well #7).

Please send a copy of an entire year's worth of daily/monthly flow records for the City of Homedale:

- (1) The flow records should show flow records for each individual well that is on the City of Homedale's water system (each back-up well, and primary wells).

If these records are emailed or mailed after 4/17/2014, please send them to the attention of Craig Saxton (craig.saxton@idwr.idaho.gov or to IDWR PO Box 83720, Boise, ID 83720-0098). If you have any questions, Craig's phone number is (208) 287-4916.

Thank you so much,

Sandy Hemenway
Sr. Water Resource Agent
IDWR State Office, Boise
(208)287-4920
Sandy.hemenway@idwr.idaho.gov