

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 2-07470

Priority: March 30, 1996

Maximum Diversion Rate: 1.00 CFS

It is hereby certified that CITY OF GLENNS FERRY
PO BOX 910
GLENNS FERRY ID 83623-0910 has complied with the terms and
conditions of the permit, issued pursuant to Application for Permit dated March 18, 1996; and has
submitted Proof of Beneficial Use on May 13, 2009. An examination confirms water is diverted from:

SOURCE

SNAKE RIVER

Tributary: COLUMBIA RIVER

and a water right has been established as follows:

BENEFICIAL USE

MUNICIPAL

PERIOD OF USE

1/01 to 12/31

DIVERSION RATE

1.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

SNAKE RIVER L4 (SW1/4NW1/4) Sec. 32, Twp 05S, Rge 10E, B.M. ELMORE County

CONDITIONS OF APPROVAL

1. Place of use is within the service area of the City of Glens Ferry municipal water supply system as provided for under Idaho Law.
2. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustrative purposes.
3. The right holder shall maintain a measuring device and lockable controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion(s).
4. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 02.
5. Water shall not be diverted under this right when flows in the Snake River are below 4750 cfs at Weiser.
6. The issuance of this right does not grant any right-of-way or easement across the land of another.
7. This right is for the use of trust water and is subject to review 20 years after the issuance of the permit to determine availability of water and to re-evaluate the public interest.
8. Rights 61-4141, 61-7679, 61-7228, and 2-7470 when combined shall not exceed a total diversion rate of 3.74 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 14th day of April, 2015.

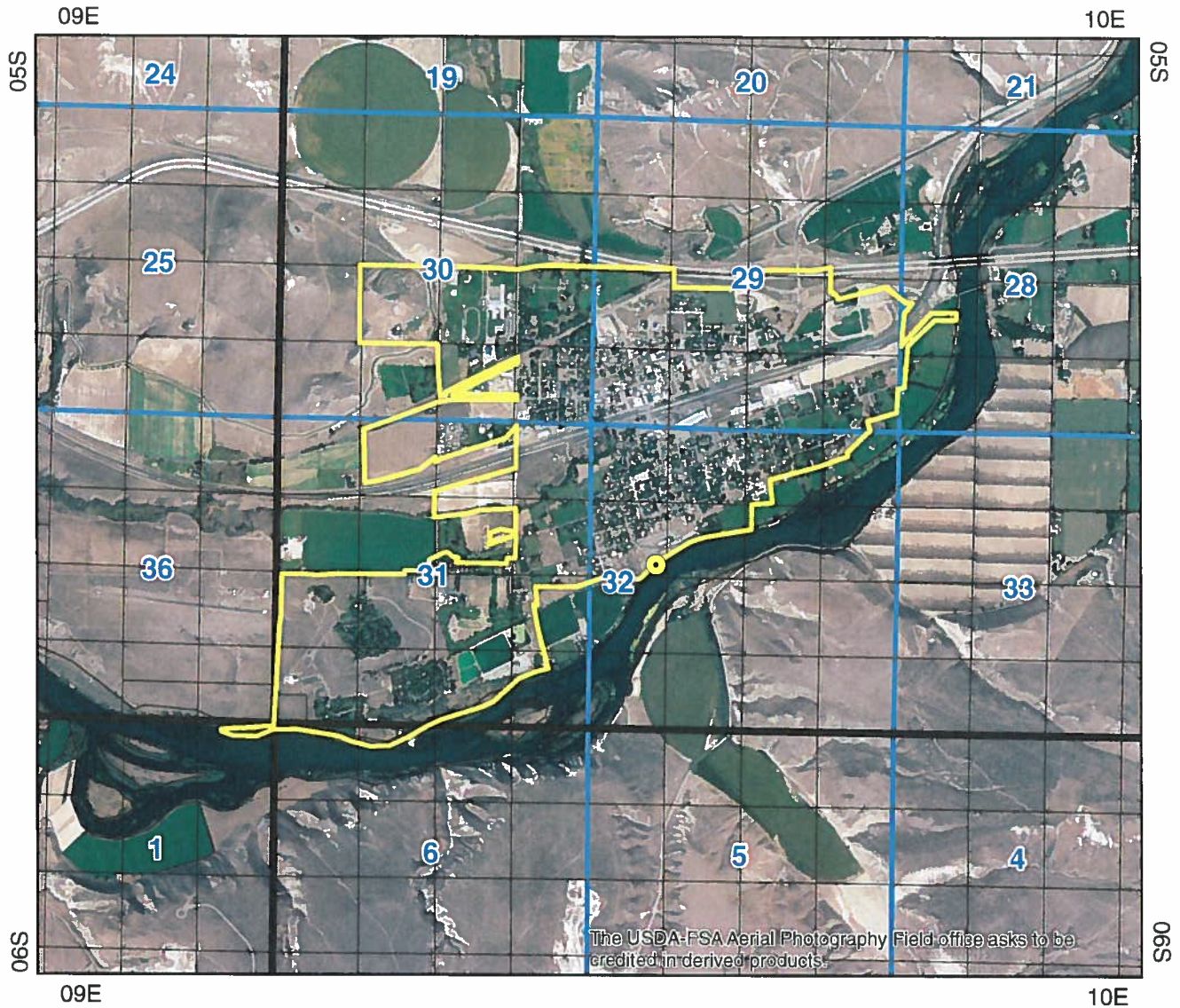

GARY SPACKMAN
Director

City Of Glenns Ferry

Attachment To Water Right License

2-7470

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
- Quarter Quarters

0 0.375 0.75 1.5 Miles



State of Idaho
Department of Water Resources
APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 2-07470

RECEIVED

APR 13 2015

DEPARTMENT OF
WATER RESOURCES**Date of Priority:** March 30, 1996**Maximum Diversion Rate:** 1.00 CFS

Comes now CITY OF GLENNS FERRY
PO BOX 910

GLENNS FERRY ID 83623-0910 and represents to the Director of the Idaho
Department of Water Resources that he is the owner and holder of Permit to Appropriate the Public
Waters of the State of Idaho No. 2-07470, and requests that the permit be changed as follows:

Source: SNAKE RIVER**Tributary:** COLUMBIA RIVER**BENEFICIAL USE**

MUNICIPAL

PERIOD OF USE

1/01 to 12/31

RATE OF DIVERSION

1.00 CFS

LOCATION OF POINT(S) OF DIVERSION:

SNAKE RIVER L4 (SW1/4NW1/4) Sec. 32, Twp 05S, Rge 10E, B.M. ELMORE County

Permit holder asserts that no one will be injured by such change and that such change will be made at
permit holder's own risk. Signed this 23 day of March, 2015.


(Signature)

State of Idaho
Department of Water Resources
APPLICATION FOR AMENDMENT
(For Licensing Purposes)
WATER RIGHT NO. 2-07470

FOR DEPARTMENT USE ONLY

Preliminary check by _____ Fee = \$100⁰⁰ Received by JSmy # C100291 Date 4-13-15

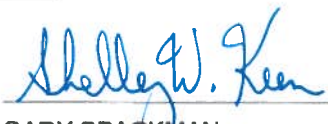
ACTION OF THE DEPARTMENT OF WATER RESOURCES

I, GARY SPACKMAN, of the Department of Water Resources hereby approve the
above Application for Amendment for Permit No. 2-07470 with the following:

CONDITIONS OF APPROVAL

1. Place of use is within the service area of the City of Glenns Ferry municipal water supply system as provided for under Idaho Law.
2. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustrative purposes.
3. The right holder shall maintain a measuring device and lockable controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion(s).
4. Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 02.
5. Water shall not be diverted under this right when flows in the Snake River are below 4750 cfs at Weiser.
6. The issuance of this right does not grant any right-of-way or easement across the land of another.
7. This right is for the use of trust water and is subject to review 20 years after the issuance of the permit to determine availability of water and to re-evaluate the public interest.
8. Rights 61-4141, 61-7679, 61-7228, and 2-7470 when combined shall not exceed a total diversion rate of 3.74 cfs.

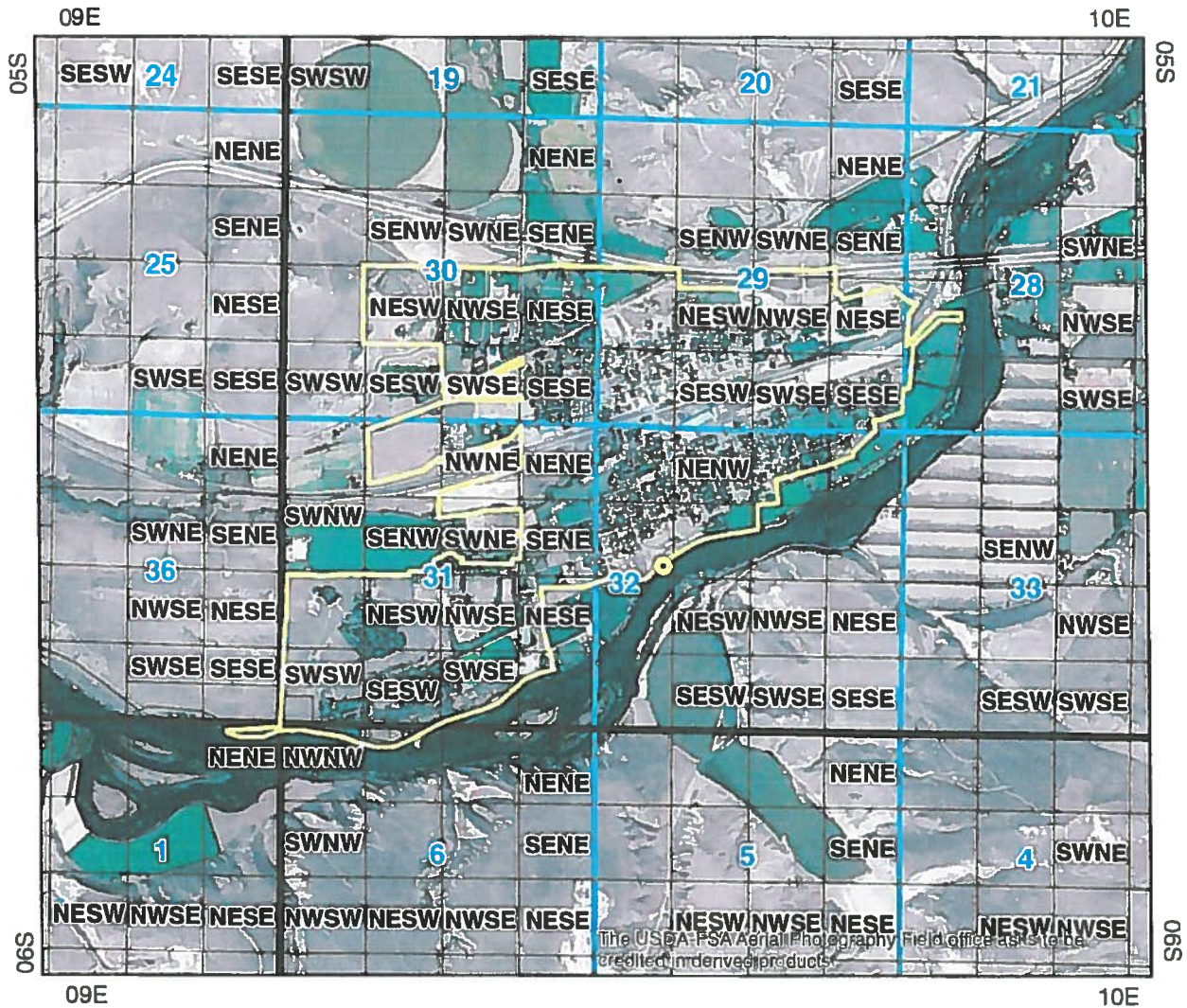
Witness my hand this 14th day of April, 2015.


for GARY SPACKMAN
Director

Attachment For Amendment To Water Right License

2-7470

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
- Quarter Quarters

0 0.375 0.75 1.5 Miles





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

April 15, 2015

CITY OF GLENN'S FERRY
PO BOX 910
GLENN'S FERRY ID 83623-0910

RE: License Nos. 2-7470 & 61-7679

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)

cc: WATER DISTRICT #02 (Hand Delivered)

CERTIFICATE OF SERVICE

I hereby certify that on April 16, 2015, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDERS (Approved Licenses) to the person(s) listed below:

RE: WATER RIGHT NOS.

2-7470 & 61-7679

CITY OF GLENNS FERRY

PO BOX 910

GLENNS FERRY ID 83623-0910

**(Hand Delivered) WATER DISTRICT #02
WATERMASTER CORBIN KNOWLES
322 E FRONT ST
BOISE ID 83720-0098**



**Darla Block
Technical Records Specialist**

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.



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 18, 2015

CITY OF GLENNS FERRY
ATTN JEFF COOK
PO BOX 910
GLENNS FERRY ID 83623-0910

RE: Water Right Permit No. 02-7470 and 61-7679

Dear Mr. Cook:

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, there is one point of diversion from the Snake River in Government Lot 4 (SWNW) of Section 32, Township 5 South, Range 10 East. The permit listed points of diversions in Government Lot 7 (SWNW) of Section 28 and Government Lot 3 (SENE) of Section 32 both sections are located in Township 5 South, Range 10 East. Before we can move forward with licensing, we will need to have an amendment to correct the point of diversion.

The enclosed Applications for Amendment form depict the elements of the water rights as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$100.00 filing fee within 14 days.

If you have any questions, please contact me.

Sincerely,

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

Enclosure(s)

Nelson, Dan

From: Nelson, Dan
Sent: Wednesday, March 18, 2015 9:11 AM
To: 'Jeff Cook'
Subject: Amendment of Permit
Attachments: City of Glenns Ferry Amendment.pdf

Hello Jeff,

I know it has been quite a while since we have spoken, but I think I have all of the powers that be sedated with the conditions. This means we can move forward with the licensing of the two permits for the City of Glenns Ferry. I have attached a copy of an amendment for permit 2-7470. This is the Snake River right. This permit had the point of diversion in the wrong location. Once we fix this one, I think we are ready to license both of these rights. I have attached a copy of the amendment and the letter that I just mailed out to day to this email. You can print out the amendment from this email and mail it back or you can wait until the mailed version come in.

Either way, I will need a signed copy of the amendment and the \$100. 00 amendment fee discussed in the letter to move forward. If you have any questions, please don't hesitate to contact me.

Thank you so much for your patience and hard work on this situation.

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

MEMORANDUM

TO: File 02-7470

FROM: Daniel Nelson – Staff Hydrologist

DATE: March 6, 2015

SUBJECT: Licensing Review for 02-7470

This is the licensing review of the field exam submitted by Sandy Hemenway formerly in our state office. The field exam was done in 2012. The system associated with this permit allowed water to be diverted directly from the Snake River or from a buried spring gallery that captures shallow spring water. This permit is specifically for the Snake River water. The field exam has some issues that need to be addressed to prior to licensing of the permit.

Diversion Rate:

Ms. Hemenway measured a diversion rate at the time of the field exam of 0.99 cfs. However, the system was not operating at the full capacity of the system and was addressed in Ms. Hemenway's notes. Ms. Hemenway knew at the time of the field exam that the flows recorded were not at the capacity of the system, and requested additional measurement information.

The City did supply measurement records, but they only supplied the daily water use volumes, and not the instantaneous diversion rate capacity of the system. The daily use records show a maximum daily average diversion rate of 558 gpm or 1.24 cfs, which clearly cannot be used, since the system does not operate 24 hours a day at maximum capacity. This rate also clearly shows that Ms. Hemenway's measurement is not reasonable.

I contacted the City's representative, and on December 8, 2014, he sent me photos of the system operating at maximum capacity. The same flow meter is used for the Snake River and the Ground water infiltration gallery under rights 61-4141 and 61-7679. The maximum flow from the Snake River was 1104 gpm or 2.46 cfs as measured by their flow meter. This would be the maximum capacity of the Snake River Diversion. The permit only allows 1.00 cfs, so this water right will be recommended for licensing at 1.00 cfs.

Some additional explanation is needed here. The water from the Snake River under 2-7470, ground water wells under 61-7228, and the infiltration gallery under 61-4141 and 61-7679 all go through a common Water Treatment Plant to treat or clean the water to Department of Environmental Quality standards. The water treatment plant can only process 1600 gpm worth of water at a time. The infiltration gallery pumping system under 61-4141 and 61-7679 does have a slightly larger capacity of diversion rate than the Water Treatment Plant, but the additional diversion rate is used to dilute the sediment basins. The sediment basins collect the sludge from the water treatment process. Water right 61-7228 is for a well that is only used as a back-up water source. It is only used when absolutely necessary.

Diversion Volume:

This permit is for a municipal use for the City, so no volume will be assigned to this permit. However, the City did supply documentation of the daily measurement reading from this source if needed in the future. In 2011 the maximum diversion volume through the Snake River Diversion was 193 acre feet.

Points of Diversion:

Ms. Hemenway GPS'ed the diversion for this water use and located it in the Gov't Lot 4 (SWNW) in Section 32, Township 5 South, Range 10 East. Ms. Hemenway adjusted the diversion point to reflect the middle of the Snake River, but that was corrected by the Water District 02 Watermaster, who corrected it to the point where the water came out of the river. I am going with the point of diversion designated by the watermaster. The permit showed 2 points of diversion, but Ms. Hemenway only discusses one point of diversion. I am assuming by Ms. Hemenway's silence on the diversion in Section 28, that it was never developed.

Conditions:

Condition 3(26A) was removed at licensing and condition 2 (004) was maintained. There were several conditions listed under condition #1. I used the standards and added R43, R05, 124, 180, and WB9.

During the administrative review of this water right, it was determined that we needed to find out 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 out of the Water Treatment Plant at one time is 1600 gpm or 3.57 cfs. According to the average hourly demand, this rate seems a bit high, but there is a storage tank associated with this system. Therefore, it does seem reasonable that they would divert more water for a shorter period of time for efficiency reasons. Please note that the infiltration gallery under water rights 61-4141 and 61-7679 can divert a slightly higher diversion rate that is used to dilute the sediment stations.

Therefore, water rights 61-4141, 61-7679, 61-7228, and 2-7470 when combined should be limited to the Reported Actual Peak Flow of 3.57 cfs.

Please see attached spreadsheet for analysis of this right.

The administrative review also determined that condition R55 was needed with a 20 year review period. Evidently the condition was not included on the permit and should have been.

CITY OF GLENN'S FERRY 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
468	1.5	3	312.0	156.0	2.25	4.5	702.0	351.0	1404	702

Reported Actual Peak Flow (PID) = 1600 / 448.8 = 3.57 cfs

Estimated PID = 351 TO 1404

Determining the actual peak instantaneous diversion rate for municipal system is difficult at best. The City of Glenns Ferry states that the Maximum Daily Diversion(MDD) is 468 gpm and the Peak Instantaneous Diversion (PID) is 1600 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 much higher than the Estimated PID, but this system does have a storage unit, so it does sound reasonable to build a system that can fill a storage unit in a shorter period of time to avoid pumping costs.

Water Right	Water Right Diversion Rate in cfs
61-4141	2.54
61-7679	1.20
61-7228	0.45
2-7470	1.00
TOTAL	5.19

The only licensed water rights listing the City of Glenns Ferry as owner that supply culinary water are water rights 61-4141, 61-7679, 61-7228 and 2-7470. Water right 2-2209E is used for the City's irrigation system. Water right 2-7471 is a municipal right, but proof isn't due until 2016. 37-8851 is an application for permit that hasn't been approved. With these rights, water rights 61-4141, 61-7679, 61-7228, and 2-7470 when combined should be limited to the Reported Actual Peak Flow or 3.57 cfs.

This spreadsheet was created by Dan Nelson for the licensing review for water rights 2-7470 and 61-7679. This spreadsheet calculates the average daily diversion rates for this system. There are 2 sources that feed this system. One is from a spring horizontal well system known as the infiltration gallery and the other is the Snake River. The system is set up to divert water from both sources to reduce the clean up of the water for water quality purposes. The system can run up to 1600 gpm with the two sources combined.

2011 Infiltration Gallery

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
311704				
311737	33000	0.10	23	0.05
311774	37000	0.11	26	0.06
311794	20000	0.06	14	0.03
311821	27000	0.08	19	0.04
311856	35000	0.11	24	0.05
311898	42000	0.13	29	0.06
311930	32000	0.10	22	0.05
311956	26000	0.08	18	0.04
312000	44000	0.14	31	0.07
312109	109000	0.33	76	0.17
312294	185000	0.57	128	0.29
312467	173000	0.53	120	0.27
312610	143000	0.44	99	0.22
312636	26000	0.08	18	0.04
312778	142000	0.44	99	0.22
312930	152000	0.47	106	0.24
313061	131000	0.40	91	0.20
313182	121000	0.37	84	0.19
313264	82000	0.25	57	0.13
313371	107000	0.33	74	0.17
313473	102000	0.31	71	0.16
313573	100000	0.31	69	0.15
313672	99000	0.30	69	0.15
313838	166000	0.51	115	0.26
313993	155000	0.48	108	0.24
314144	151000	0.46	105	0.23
314294	150000	0.46	104	0.23
314438	144000	0.44	100	0.22
314580	142000	0.44	99	0.22
314734	154000	0.47	107	0.24
314874	140000	0.43	97	0.22
315003	129000	0.40	90	0.20
315148	145000	0.44	101	0.22
315292	144000	0.44	100	0.22
315443	151000	0.46	105	0.23
315583	140000	0.43	97	0.22
315723	140000	0.43	97	0.22
315877	154000	0.47	107	0.24
316015	138000	0.42	96	0.21
316169	154000	0.47	107	0.24
316315	146000	0.45	101	0.23
316454	139000	0.43	97	0.22
316601	147000	0.45	102	0.23
316770	169000	0.52	117	0.26
316913	143000	0.44	99	0.22
317078	165000	0.51	115	0.26
317214	136000	0.42	94	0.21
317381	167000	0.51	116	0.26
317541	160000	0.49	111	0.25
317677	136000	0.42	94	0.21
317847	170000	0.52	118	0.26
318000	153000	0.47	106	0.24
318160	160000	0.49	111	0.25
318322	162000	0.50	113	0.25
318480	158000	0.48	110	0.24
318632	152000	0.47	106	0.24
318779	147000	0.45	102	0.23
318917	138000	0.42	96	0.21
319105	188000	0.58	131	0.29
319271	166000	0.51	115	0.26
319437	166000	0.51	115	0.26
319603	166000	0.51	115	0.26
319734	131000	0.40	91	0.20
319865	131000	0.40	91	0.20
319996	131000	0.40	91	0.20
320193	197000	0.60	137	0.30
320357	164000	0.50	114	0.25
320519	162000	0.50	113	0.25
320667	148000	0.45	103	0.23
320835	168000	0.52	117	0.26
320987	152000	0.47	106	0.24
321148	161000	0.49	112	0.25
321308	160000	0.49	111	0.25
321465	157000	0.48	109	0.24
321620	155000	0.48	108	0.24
321775	155000	0.48	108	0.24
321930	155000	0.48	108	0.24
322085	155000	0.48	108	0.24
322240	155000	0.48	108	0.24

2011 Snake River

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
545857				
546028	171000	0.52	119	0.26
546284	256000	0.79	178	0.40
546508	224000	0.69	156	0.35
546668	160000	0.49	111	0.25
546868	200000	0.61	139	0.31
547080	212000	0.65	147	0.33
547274	194000	0.60	135	0.30
547472	198000	0.61	138	0.31
547718	246000	0.75	171	0.38
547794	76000	0.23	53	0.12
547871	77000	0.24	53	0.12
547949	78000	0.24	54	0.12
548062	113000	0.35	78	0.17
548289	227000	0.70	158	0.35
548391	102000	0.31	71	0.16
548503	112000	0.34	78	0.17
548606	103000	0.32	72	0.16
548751	145000	0.44	101	0.22
548873	122000	0.37	85	0.19
549027	154000	0.47	107	0.24
549157	130000	0.40	90	0.20
549281	124000	0.38	86	0.19
549449	168000	0.52	117	0.26
549520	71000	0.22	49	0.11
549579	59000	0.18	41	0.09
549680	101000	0.31	70	0.16
549788	108000	0.33	75	0.17
549892	104000	0.32	72	0.16
549996	104000	0.32	72	0.16
550109	113000	0.35	78	0.17
550210	101000	0.31	70	0.16
550306	96000	0.29	67	0.15
550412	106000	0.33	74	0.16
550513	101000	0.31	70	0.16
550618	105000	0.32	73	0.16
550716	98000	0.30	68	0.15
550814	98000	0.30	68	0.15
550920	106000	0.33	74	0.16
551014	94000	0.29	65	0.15
551123	109000	0.33	76	0.17
551231	108000	0.33	75	0.17
551333	102000	0.31	71	0.16
551442	109000	0.33	76	0.17
551565	123000	0.38	85	0.19
551666	101000	0.31	70	0.16
551777	111000	0.34	77	0.17
551870	93000	0.29	65	0.14
551973	103000	0.32	72	0.16
552065	92000	0.28	64	0.14
552158	93000	0.29	65	0.14
552229	71000	0.22	49	0.11
552304	75000	0.23	52	0.12
552389	85000	0.26	59	0.13
552468	79000	0.24	55	0.12
552536	68000	0.21	47	0.11
552613	77000	0.24	53	0.12
552688	75000	0.23	52	0.12
552756	68000	0.21	47	0.11
552846	90000	0.28	63	0.14
552932	86000	0.26	60	0.13
553018	86000	0.26	60	0.13
553104	86000	0.26	60	0.13
553166	62000	0.19	43	0.10
553228	62000	0.19	43	0.10
553290	62000	0.19	43	0.10
553403	113000	0.35	78	0.17
553484	81000	0.25	56	0.13
553566	82000	0.25	57	0.13
553642	76000	0.23	53	0.12
553726	84000	0.26	58	0.13
553803	77000	0.24	53	0.12
553885	82000	0.25	57	0.13
553966	81000	0.25	56	0.13
554046	80000	0.25	56	0.12
554124	78000	0.24	54	0.12
554202	78000	0.24	54	0.12
554280	78000	0.24	54	0.12
554358	78000	0.24	54	0.12
554436	78000	0.24	54	0.12

TOTALS

Gallons per day	af per day	ave daily gpm	ave daily cfs
204000	0.63	142	0.32
293000	0.90	203	0.45
244000	0.75	169	0.38
187000	0.57	130	0.29
235000	0.72	163	0.36
254000	0.78	176	0.39
226000	0.69	157	0.35
224000	0.69	156	0.35
290000	0.89	201	0.45
185000	0.57	128	0.29
262000	0.80	182	0.41
251000	0.77	174	0.39
256000	0.79	178	0.40
253000	0.78	176	0.39
244000	0.75	169	0.38
264000	0.81	183	0.41
234000	0.72	163	0.36
266000	0.82	185	0.41
204000	0.63	142	0.32
261000	0.80	181	0.40
232000	0.71	161	0.36
224000	0.69	156	0.35
267000	0.82	185	0.41
237000	0.73	165	0.37
214000	0.66	149	0.33
252000	0.77	175	0.39
258000	0.79	179	0.40
248000	0.76	172	0.38
246000	0.75	171	0.38
267000	0.82	185	0.41
241000	0.74	167	0.37
225000	0.69	156	0.35
251000	0.77	174	0.39
245000	0.75	170	0.38
256000	0.79	178	0.40
238000	0.73	165	0.37
238000	0.73	165	0.37
260000	0.80	181	0.40
232000	0.71	161	0.36
263000	0.81	183	0.41
254000	0.78	176	0.39
241000	0.74	167	0.37
256000	0.79	178	0.40
292000	0.90	203	0.45
244000	0.75	169	0.38
276000	0.85	192	0.43
229000	0.70	159	0.35
270000	0.83	188	0.42
252000	0.77	175	0.39
229000	0.70	159	0.35
241000	0.74	167	0.37
228000	0.70	158	0.35
245000	0.75	170	0.38
241000	0.74	167	0.37
226000	0.69	157	0.35
229000	0.70	159	0.35
222000	0.68	154	0.34
206000	0.63	143	0.32
278000	0.85	193	0.43
252000	0.77	175	0.39
252000	0.77	175	0.39
252000	0.77	175	0.39
193000	0.59	134	0.30
193000	0.59	134	0.30
193000	0.59	134	0.30
310000	0.95	215	0.48
245000	0.75	170	0.38
244000	0.75	169	0.38
224000	0.69	156	0.35
252000	0.77	175	0.39
229000	0.70	159	0.35
243000	0.75	169	0.38
241000	0.74	167	0.37
237000	0.73	165	0.37
233000	0.72	162	0.36
233000	0.72	162	0.36
233000	0.72	162	0.36
233000	0.72	162	0.36
233000	0.72	162	0.36

2011 Infiltration Gallery

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
322490	250000	0.77	174	0.39
322688	198000	0.61	138	0.31
322848	160000	0.49	111	0.25
323071	223000	0.68	155	0.35
323291	220000	0.68	153	0.34
323499	208000	0.64	144	0.32
323711	212000	0.65	147	0.33
323896	185000	0.57	128	0.29
324080	184000	0.56	128	0.28
324279	199000	0.61	138	0.31
324478	199000	0.61	138	0.31
324784	306000	0.94	213	0.47
324826	42000	0.13	29	0.06
324868	42000	0.13	29	0.06
325061	193000	0.59	134	0.30
325260	199000	0.61	138	0.31
325464	204000	0.63	142	0.32
325672	208000	0.64	144	0.32
325853	181000	0.56	126	0.28
326039	186000	0.57	129	0.29
326257	218000	0.67	151	0.34
326447	190000	0.58	132	0.29
326670	223000	0.68	155	0.35
326858	188000	0.58	131	0.29
327077	219000	0.67	152	0.34
327267	190000	0.58	132	0.29
327453	186000	0.57	129	0.29
327657	204000	0.63	142	0.32
327812	155000	0.48	108	0.24
328007	195000	0.60	135	0.30
328189	182000	0.56	126	0.28
328370	181000	0.56	126	0.28
328549	179000	0.55	124	0.28
328767	218000	0.67	151	0.34
328949	182000	0.56	126	0.28
329117	168000	0.52	117	0.26
329303	186000	0.57	129	0.29
329463	160000	0.49	111	0.25
329646	183000	0.56	127	0.28
329864	218000	0.67	151	0.34
330132	268000	0.82	186	0.41
330324	192000	0.59	133	0.30
330471	147000	0.45	102	0.23
330613	142000	0.44	99	0.22
330756	143000	0.44	99	0.22
330987	231000	0.71	160	0.36
331215	228000	0.70	158	0.35
331391	176000	0.54	122	0.27
331558	167000	0.51	116	0.26
331700	142000	0.44	99	0.22
331857	157000	0.48	109	0.24
332018	161000	0.49	112	0.25
332206	188000	0.58	131	0.29
332394	188000	0.58	131	0.29
332517	123000	0.38	85	0.19
332665	148000	0.45	103	0.23
332784	119000	0.37	83	0.18
332900	116000	0.36	81	0.18
333022	122000	0.37	85	0.19
333160	138000	0.42	96	0.21
333321	161000	0.49	112	0.25
333485	164000	0.50	114	0.25
333647	162000	0.50	113	0.25
333906	259000	0.79	180	0.40
333970	64000	0.20	44	0.10
334105	135000	0.41	94	0.21
334253	148000	0.45	103	0.23
334350	97000	0.30	67	0.15
334441	91000	0.28	63	0.14
334454	13000	0.04	9	0.02
334484	30000	0.09	21	0.05
334646	162000	0.50	113	0.25
334920	274000	0.84	190	0.42
335170	250000	0.77	174	0.39
335477	307000	0.94	213	0.48
335758	281000	0.86	195	0.43
336072	314000	0.96	218	0.49
336315	243000	0.75	169	0.38
336556	241000	0.74	167	0.37
336812	256000	0.79	178	0.40
337068	256000	0.79	178	0.40
337352	284000	0.87	197	0.44
337614	262000	0.80	182	0.41
337949	335000	1.03	233	0.52
338251	302000	0.93	210	0.47

2011 Snake River

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
554454	18000	0.06	13	0.03
554502	48000	0.15	33	0.07
554551	49000	0.15	34	0.08
554611	60000	0.18	42	0.09
554668	57000	0.17	40	0.09
554724	56000	0.17	39	0.09
554781	57000	0.17	40	0.09
554828	47000	0.14	33	0.07
554880	52000	0.16	36	0.08
554933	53000	0.16	37	0.08
554986	53000	0.16	37	0.08
555039	53000	0.16	37	0.08
555092	53000	0.16	37	0.08
555346	254000	0.78	176	0.39
555397	51000	0.16	35	0.08
555450	53000	0.16	37	0.08
555504	54000	0.17	38	0.08
555563	59000	0.18	41	0.09
555610	47000	0.14	33	0.07
555662	52000	0.16	36	0.08
555722	60000	0.18	42	0.09
555773	51000	0.16	35	0.08
555834	61000	0.19	42	0.09
555881	47000	0.14	33	0.07
555942	61000	0.19	42	0.09
556035	93000	0.29	65	0.14
556131	96000	0.29	67	0.15
556231	100000	0.31	69	0.15
556309	78000	0.24	54	0.12
556403	94000	0.29	65	0.15
556488	85000	0.26	59	0.13
556577	89000	0.27	62	0.14
556666	89000	0.27	62	0.14
556775	109000	0.33	76	0.17
556868	93000	0.29	65	0.14
556952	84000	0.26	58	0.13
557044	92000	0.28	64	0.14
557127	83000	0.25	58	0.13
557220	93000	0.29	65	0.14
557329	109000	0.33	76	0.17
557467	138000	0.42	96	0.21
557648	181000	0.56	126	0.28
557792	144000	0.44	100	0.22
557930	138000	0.42	96	0.21
558087	157000	0.48	109	0.24
558190	103000	0.32	72	0.16
558306	116000	0.36	81	0.18
558396	90000	0.28	63	0.14
558553	157000	0.48	109	0.24
558686	133000	0.41	92	0.21
558832	146000	0.45	101	0.23
558983	151000	0.46	105	0.23
559159	176000	0.54	122	0.27
559335	176000	0.54	122	0.27
559452	117000	0.36	81	0.18
559723	271000	0.83	188	0.42
559917	194000	0.60	135	0.30
560114	197000	0.60	137	0.30
560281	167000	0.51	116	0.26
560462	181000	0.56	126	0.28
560662	200000	0.61	139	0.31
560880	218000	0.67	151	0.34
561084	204000	0.63	142	0.32
561287	203000	0.62	141	0.31
561506	219000	0.67	152	0.34
561706	200000	0.61	139	0.31
561908	202000	0.62	140	0.31
562041	133000	0.41	92	0.21
562401	360000	1.10	250	0.56
562706	305000	0.94	212	0.47
563071	365000	1.12	253	0.56
563336	265000	0.81	184	0.41
563422	86000	0.26	60	0.13
563500	78000	0.24	54	0.12
563594	94000	0.29	65	0.15
563687	93000	0.29	65	0.14
563787	100000	0.31	69	0.15
563865	78000	0.24	54	0.12
563944	79000	0.24	55	0.12
564025	81000	0.25	56	0.13
564106	81000	0.25	56	0.13
564197	91000	0.28	63	0.14
564281	84000	0.26	58	0.13
564391	110000	0.34	76	0.17
564484	93000	0.29	65	0.14

TOTALS

TOTAL			
Gallons per day	af per day	ave daily gpm	ave daily cfs
268000	0.82	186	0.41
246000	0.75	171	0.38
209000	0.64	145	0.32
283000	0.87	197	0.44
277000	0.85	192	0.43
264000	0.81	183	0.41
269000	0.83	187	0.42
232000	0.71	161	0.36
236000	0.72	164	0.37
252000	0.77	175	0.39
252000	0.77	175	0.39
359000	1.10	249	0.56
95000	0.29	66	0.15
296000	0.91	206	0.46
244000	0.75	169	0.38
252000	0.77	175	0.39
258000	0.79	179	0.40
267000	0.82	185	0.41
228000	0.70	158	0.35
238000	0.73	165	0.37
278000	0.85	193	0.43
241000	0.74	167	0.37
284000	0.87	197	0.44
235000	0.72	163	0.36
280000	0.86	194	0.43
283000	0.87	197	0.44
282000	0.87	196	0.44
304000	0.93	211	0.47
233000	0.72	162	0.36
289000	0.89	201	0.45
267000	0.82	185	0.41
270000	0.83	188	0.42
268000	0.82	186	0.41
327000	1.00	227	0.51
275000	0.84	191	0.43
252000	0.77	175	0.39
278000	0.85	193	0.43
243000	0.75	169	0.38
276000	0.85	192	0.43
327000	1.00	227	0.51
406000	1.25	282	0.63
373000	1.14	259	0.58
291000	0.89	202	0.45
280000	0.86	194	0.43
300000	0.92	208	0.46
334000	1.03	232	0.52
344000	1.06	239	0.53
266000	0.82	185	0.41
324000	0.99	225	0.50
275000	0.84	191	0.43
303000	0.93	210	0.47
312000	0.96	217	0.48
364000	1.12	253	0.56
364000	1.12	253	0.56
240000	0.74	167	0.37
419000	1.29	291	0.65
313000	0.96	217	0.48
313000	0.96	217	0.48
289000	0.89	201	0.45
319000	0.98	222	0.49
361000	1.11	251	0.56
382000	1.17	265	0.59
366000	1.12	254	0.57
462000	1.42	321	0.71
283000	0.87	197	0.44
335000	1.03	233	0.52
350000	1.07	243	0.54
230000	0.71	160	0.36
451000	1.38	313	0.70
318000	0.98	221	0.49
395000	1.21	274	0.61
427000	1.31	297	0.66
360000	1.10	250	0.56
328000	1.01	228	0.51
401000	1.23	278	0.62
374000	1.15	260	0.58
414000	1.27	288	0.64
321000	0.99	223	0.50
320000	0.98	222	0.50
337000	1.03	234	0.52
337000	1.03	234	0.52
375000	1.15	260	0.58
346000	1.06	240	0.54
445000	1.37	309	0.69
395000	1.21	274	0.61

2011 Infiltration Gallery

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
338598	347000	1.06	241	0.54
338892	294000	0.90	204	0.45
339170	278000	0.85	193	0.43
339491	321000	0.99	223	0.50
339759	268000	0.82	186	0.41
340027	268000	0.82	186	0.41
340385	358000	1.10	249	0.55
340750	365000	1.12	253	0.56
341098	348000	1.07	242	0.54
341445	347000	1.06	241	0.54
341728	283000	0.87	197	0.44
342011	283000	0.87	197	0.44
342419	408000	1.25	283	0.63
342797	378000	1.16	263	0.58
343220	423000	1.30	294	0.65
343564	344000	1.06	239	0.53
343987	423000	1.30	294	0.65
344316	329000	1.01	228	0.51
344733	417000	1.28	290	0.65
345158	425000	1.30	295	0.66
345543	385000	1.18	267	0.60
345939	396000	1.22	275	0.61
346345	406000	1.25	282	0.63
346674	329000	1.01	228	0.51
346997	323000	0.99	224	0.50
347246	249000	0.76	173	0.39
347474	228000	0.70	158	0.35
347698	224000	0.69	156	0.35
347904	206000	0.63	143	0.32
348184	280000	0.86	194	0.43
348492	308000	0.95	214	0.48
348814	322000	0.99	224	0.50
349252	438000	1.34	304	0.68
349574	322000	0.99	224	0.50
349991	417000	1.28	290	0.65
350115	124000	0.38	86	0.19
350423	308000	0.95	214	0.48
350593	170000	0.52	118	0.26
350881	288000	0.88	200	0.45
351189	308000	0.95	214	0.48
351210	21000	0.06	15	0.03
351419	209000	0.64	145	0.32
351650	231000	0.71	160	0.36
351866	216000	0.66	150	0.33
351960	94000	0.29	65	0.15
352039	79000	0.24	55	0.12
352099	60000	0.18	42	0.09
352163	64000	0.20	44	0.10
352228	65000	0.20	45	0.10
352293	65000	0.20	45	0.10
352346	53000	0.16	37	0.08
352399	53000	0.16	37	0.08
352452	53000	0.16	37	0.08
352505	53000	0.16	37	0.08
352560	55000	0.17	38	0.09
352714	154000	0.47	107	0.24
352961	247000	0.76	172	0.38
353162	201000	0.62	140	0.31
353385	223000	0.68	155	0.35
353613	228000	0.70	158	0.35
353830	217000	0.67	151	0.34
354026	196000	0.60	136	0.30
354240	214000	0.66	149	0.33
354484	244000	0.75	169	0.38
354677	193000	0.59	134	0.30
354925	248000	0.76	172	0.38
355130	205000	0.63	142	0.32
355328	198000	0.61	138	0.31
355543	215000	0.66	149	0.33
355758	215000	0.66	149	0.33
355994	236000	0.72	164	0.37
356200	206000	0.63	143	0.32
356398	198000	0.61	138	0.31
356600	202000	0.62	140	0.31
356786	186000	0.57	129	0.29
357001	215000	0.66	149	0.33
357195	194000	0.60	135	0.30
357416	221000	0.68	153	0.34
357589	173000	0.53	120	0.27
357759	170000	0.52	118	0.26
357929	170000	0.52	118	0.26
358102	173000	0.53	120	0.27
358292	190000	0.58	132	0.29
358453	161000	0.49	112	0.25
358645	192000	0.59	133	0.30

2011 Snake River

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
564597	113000	0.35	78	0.17
564695	98000	0.30	68	0.15
564785	90000	0.28	63	0.14
564888	103000	0.32	72	0.16
564978	90000	0.28	63	0.14
565065	87000	0.27	60	0.13
565179	114000	0.35	79	0.18
565296	117000	0.36	81	0.18
565402	106000	0.33	74	0.16
565515	113000	0.35	78	0.17
565627	112000	0.34	78	0.17
565739	112000	0.34	78	0.17
565849	110000	0.34	76	0.17
565967	118000	0.36	82	0.18
566100	133000	0.41	92	0.21
566205	105000	0.32	73	0.16
566340	135000	0.41	94	0.21
566443	103000	0.32	72	0.16
566576	133000	0.41	92	0.21
566712	136000	0.42	94	0.21
566829	117000	0.36	81	0.18
566952	123000	0.38	85	0.19
567080	128000	0.39	89	0.20
567183	103000	0.32	72	0.16
567425	242000	0.74	168	0.37
567740	315000	0.97	219	0.49
568051	311000	0.95	216	0.48
568363	312000	0.96	217	0.48
568819	456000	1.40	317	0.71
569012	193000	0.59	134	0.30
569239	227000	0.70	158	0.35
569481	242000	0.74	168	0.37
569789	308000	0.95	214	0.48
570051	262000	0.80	182	0.41
570184	133000	0.41	92	0.21
570612	428000	1.31	297	0.66
570839	227000	0.70	158	0.35
571251	412000	1.26	286	0.64
571478	227000	0.70	158	0.35
571705	227000	0.70	158	0.35
572205	500000	1.53	347	0.77
572494	289000	0.89	201	0.45
572804	310000	0.95	215	0.48
573096	292000	0.90	203	0.45
573597	501000	1.54	348	0.78
574028	431000	1.32	299	0.67
574462	434000	1.33	301	0.67
574865	403000	1.24	280	0.62
575317	452000	1.39	314	0.70
575766	449000	1.38	312	0.69
576190	424000	1.30	294	0.66
576614	424000	1.30	294	0.66
577038	424000	1.30	294	0.66
577462	424000	1.30	294	0.66
578015	553000	1.70	384	0.86
578372	357000	1.10	248	0.55
578683	311000	0.95	216	0.48
578956	273000	0.84	190	0.42
579235	279000	0.86	194	0.43
579540	305000	0.94	212	0.47
579817	277000	0.85	192	0.43
580075	258000	0.79	179	0.40
580351	276000	0.85	192	0.43
580665	314000	0.96	218	0.49
580916	251000	0.77	174	0.39
581237	321000	0.99	223	0.50
581505	268000	0.82	186	0.41
581793	288000	0.88	200	0.45
582102	309000	0.95	215	0.48
582426	324000	0.99	225	0.50
582754	328000	1.01	228	0.51
583062	308000	0.95	214	0.48
583340	278000	0.85	193	0.43
583641	301000	0.92	209	0.47
583900	259000	0.79	180	0.40
584216	316000	0.97	219	0.49
584506	290000	0.89	201	0.45
584827	321000	0.99	223	0.50
585088	261000	0.80	181	0.40
585326	238000	0.73	165	0.37
585564	238000	0.73	165	0.37
585825	261000	0.80	181	0.40
586157	332000	1.02	231	0.51
586431	274000	0.84	190	0.42
586724	293000	0.90	203	0.45

TOTALS

Gallons per day	af per day	ave daily gpm	ave daily cfs
460000	1.41	319	0.71
392000	1.20	272	0.61
368000	1.13	256	0.57
424000	1.30	294	0.66
358000	1.10	249	0.55
355000	1.09	247	0.55
472000	1.45	328	0.73
482000	1.48	335	0.75
454000	1.39	315	0.70
460000	1.41	319	0.71
395000	1.21	274	0.61
395000	1.21	274	0.61
518000	1.59	360	0.80
496000	1.52	344	0.77
556000	1.71	386	0.86
449000	1.38	312	0.69
558000	1.71	388	0.86
432000	1.33	300	0.67
550000	1.69	382	0.85
561000	1.72	390	0.87
502000	1.54	349	0.78
519000	1.59	360	0.80
534000	1.64	371	0.83
432000	1.33	300	0.67
565000	1.73	392	0.87
564000	1.73	392	0.87
539000	1.65	374	0.83
536000	1.64	372	0.83
662000	2.03	460	1.02
473000	1.45	328	0.73
535000	1.64	372	0.83
564000	1.73	392	0.87
746000	2.29	518	1.15
584000	1.79	406	0.90
550000	1.69	382	0.85
552000	1.69	383	0.85
535000	1.64	372	0.83
582000	1.79	404	0.90
515000	1.58	358	0.80
535000	1.64	372	0.83
521000	1.60	362	0.81
498000	1.53	346	0.77
541000	1.66	376	0.84
508000	1.56	353	0.79
595000	1.83	413	0.92
510000	1.57	354	0.79
494000	1.52	343	0.76
467000	1.43	324	0.72
517000	1.59	359	0.80
514000	1.58	357	0.80
477000	1.46	331	0.74
477000	1.46	331	0.74
477000	1.46	331	0.74
608000	1.87	422	0.94
511000	1.57	355	0.79
558000	1.71	388	0.86
474000	1.45	329	0.73
502000	1.54	349	0.78
533000	1.64	370	0.82
494000	1.52	343	0.76
454000	1.39	315	0.70
490000	1.50	340	0.76
558000	1.71	388	0.86
444000	1.36	308	0.69
569000	1.75	395	0.88
473000	1.45	328	0.73
486000	1.49	338	0.75
524000	1.61	364	0.81
539000	1.65	374	0.83
564000	1.73	392	0.87
514000	1.58	357	0.80
476000	1.46	331	0.74
503000	1.54	349	0.78
445000	1.37	309	0.69
531000	1.63	369	0.82
484000	1.49	336	0.75
542000	1.66	376	0.84
434000	1.33	301	0.67
408000	1.25	283	0.63
408000	1.25	283	0.63
434000	1.33	301	0.67
522000	1.60	363	0.81
435000	1.33	302	0.67
485000	1.49	337	0.75

2011 Infiltration Gallery

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
358808	163000	0.50	113	0.25
358988	180000	0.55	125	0.28
359173	185000	0.57	128	0.29
359341	168000	0.52	117	0.26
359523	182000	0.56	126	0.28
359713	190000	0.58	132	0.29
359920	207000	0.64	144	0.32
360116	196000	0.60	136	0.30
360277	161000	0.49	112	0.25
360447	170000	0.52	118	0.26
360610	163000	0.50	113	0.25
360788	178000	0.55	124	0.28
360973	185000	0.57	128	0.29
361191	218000	0.67	151	0.34
361377	186000	0.57	129	0.29
361584	207000	0.64	144	0.32
361778	194000	0.60	135	0.30
361956	178000	0.55	124	0.28
362142	186000	0.57	129	0.29
362326	184000	0.56	128	0.28
362510	184000	0.56	128	0.28
362741	231000	0.71	160	0.36
362972	231000	0.71	160	0.36
363133	161000	0.49	112	0.25
363247	114000	0.35	79	0.18
363429	182000	0.56	126	0.28
363611	182000	0.56	126	0.28
363725	114000	0.35	79	0.18
363773	48000	0.15	33	0.07
363860	87000	0.27	60	0.13
363966	106000	0.33	74	0.16
364078	112000	0.34	78	0.17
364198	120000	0.37	83	0.19
364291	93000	0.29	65	0.14
364398	107000	0.33	74	0.17
364505	107000	0.33	74	0.17
364612	107000	0.33	74	0.17
364705	93000	0.29	65	0.14
364798	93000	0.29	65	0.14
364905	107000	0.33	74	0.17
364988	83000	0.25	58	0.13
365094	106000	0.33	74	0.16
365176	82000	0.25	57	0.13
365269	93000	0.29	65	0.14
365360	91000	0.28	63	0.14
365461	101000	0.31	70	0.16
365561	100000	0.31	69	0.15
365648	87000	0.27	60	0.13
365730	82000	0.25	57	0.13
365824	94000	0.29	65	0.15
365906	82000	0.25	57	0.13
365999	93000	0.29	65	0.14
366092	93000	0.29	65	0.14
366212	120000	0.37	83	0.19
366296	84000	0.26	58	0.13
366390	94000	0.29	65	0.15
366482	92000	0.28	64	0.14
366567	85000	0.26	59	0.13
366656	89000	0.27	62	0.14
366851	195000	0.60	135	0.30
367046	195000	0.60	135	0.30
367174	128000	0.39	89	0.20
367449	275000	0.84	191	0.43
367587	138000	0.42	96	0.21
367679	92000	0.28	64	0.14
367774	95000	0.29	66	0.15
367800	26000	0.08	18	0.04
367874	74000	0.23	51	0.11
367965	91000	0.28	63	0.14
368078	113000	0.35	78	0.17
368182	104000	0.32	72	0.16
368278	96000	0.29	67	0.15
368385	107000	0.33	74	0.17
368492	107000	0.33	74	0.17
368575	83000	0.25	58	0.13
368685	110000	0.34	76	0.17
368792	107000	0.33	74	0.17
368875	83000	0.25	58	0.13
368971	96000	0.29	67	0.15
369081	110000	0.34	76	0.17
369194	113000	0.35	78	0.17
369352	158000	0.48	110	0.24
369474	122000	0.37	85	0.19
369585	111000	0.34	77	0.17
369696	111000	0.34	77	0.17

2011 Snake River

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
586986	262000	0.80	182	0.41
587259	273000	0.84	190	0.42
587535	276000	0.85	192	0.43
587791	256000	0.79	178	0.40
588073	282000	0.87	196	0.44
588360	287000	0.88	199	0.44
588692	332000	1.02	231	0.51
589006	314000	0.96	218	0.49
589280	274000	0.84	190	0.42
589518	238000	0.73	165	0.37
589780	262000	0.80	182	0.41
590130	350000	1.07	243	0.54
590412	282000	0.87	196	0.44
590753	341000	1.05	237	0.53
591063	310000	0.95	215	0.48
591396	333000	1.02	231	0.52
591716	320000	0.98	222	0.50
591997	281000	0.86	195	0.43
592296	299000	0.92	208	0.46
592619	323000	0.99	224	0.50
592942	323000	0.99	224	0.50
593268	326000	1.00	226	0.50
593594	326000	1.00	226	0.50
593868	274000	0.84	190	0.42
594093	225000	0.69	156	0.35
594369	276000	0.85	192	0.43
594645	276000	0.85	192	0.43
594870	225000	0.69	156	0.35
595022	152000	0.47	106	0.24
595243	221000	0.68	153	0.34
595450	207000	0.64	144	0.32
595638	188000	0.58	131	0.29
595860	222000	0.68	154	0.34
596047	187000	0.57	130	0.29
596238	191000	0.59	133	0.30
596429	191000	0.59	133	0.30
596620	191000	0.59	133	0.30
596807	187000	0.57	130	0.29
596994	187000	0.57	130	0.29
597185	191000	0.59	133	0.30
597317	132000	0.41	92	0.20
597506	189000	0.58	131	0.29
597675	169000	0.52	117	0.26
597841	166000	0.51	115	0.26
598009	168000	0.52	117	0.26
598181	172000	0.53	119	0.27
598345	164000	0.50	114	0.25
598513	168000	0.52	117	0.26
598682	169000	0.52	117	0.26
598850	168000	0.52	117	0.26
599019	169000	0.52	117	0.26
599206	187000	0.57	130	0.29
599372	166000	0.51	115	0.26
599554	182000	0.56	126	0.28
599717	163000	0.50	113	0.25
599897	180000	0.55	125	0.28
600064	167000	0.51	116	0.26
600254	190000	0.58	132	0.29
600427	173000	0.53	120	0.27
600717	290000	0.89	201	0.45
601008	291000	0.89	202	0.45
601230	222000	0.68	154	0.34
602033	803000	2.46	558	1.24
602268	235000	0.72	163	0.36
602435	167000	0.51	116	0.26
602726	291000	0.89	202	0.45
602916	190000	0.58	132	0.29
602954	38000	0.12	26	0.06
603080	126000	0.39	88	0.19
603219	139000	0.43	97	0.22
603357	138000	0.42	96	0.21
603501	144000	0.44	100	0.22
603644	143000	0.44	99	0.22
603792	148000	0.45	103	0.23
603903	111000	0.34	77	0.17
604049	146000	0.45	101	0.23
604177	128000	0.39	89	0.20
604288	111000	0.34	77	0.17
604432	144000	0.44	100	0.22
604578	146000	0.45	101	0.23
604717	139000	0.43	97	0.22
604857	140000	0.43	97	0.22
604978	121000	0.37	84	0.19
605088	110000	0.34	76	0.17
605198	110000	0.34	76	0.17

TOTALS

Gallons per day	af per day	ave daily gpm	ave daily cfs
425000	1.30	295	0.66
453000	1.39	315	0.70
461000	1.41	320	0.71
424000	1.30	294	0.66
464000	1.42	322	0.72
477000	1.46	331	0.74
539000	1.65	374	0.83
510000	1.57	354	0.79
435000	1.33	302	0.67
408000	1.25	283	0.63
425000	1.30	295	0.66
528000	1.62	367	0.82
467000	1.43	324	0.72
559000	1.72	388	0.86
496000	1.52	344	0.77
540000	1.66	375	0.84
514000	1.58	357	0.80
459000	1.41	319	0.71
485000	1.49	337	0.75
507000	1.56	352	0.78
507000	1.56	352	0.78
557000	1.71	387	0.86
557000	1.71	387	0.86
435000	1.33	302	0.67
339000	1.04	235	0.52
458000	1.41	318	0.71
458000	1.41	318	0.71
339000	1.04	235	0.52
200000	0.61	139	0.31
308000	0.95	214	0.48
313000	0.96	217	0.48
300000	0.92	208	0.46
342000	1.05	238	0.53
280000	0.86	194	0.43
298000	0.91	207	0.46
298000	0.91	207	0.46
298000	0.91	207	0.46
280000	0.86	194	0.43
280000	0.86	194	0.43
298000	0.91	207	0.46
298000	0.91	207	0.46
215000	0.66	149	0.33
295000	0.91	205	0.46
251000	0.77	174	0.39
259000	0.79	180	0.40
259000	0.79	180	0.40
273000	0.84	190	0.42
264000	0.81	183	0.41
255000	0.78	177	0.39
251000	0.77	174	0.39
262000	0.80	182	0.41
251000	0.77	174	0.39
280000	0.86	194	0.43
259000	0.79	180	0.40
302000	0.93	210	0.47
247000	0.76	172	0.38
274000	0.84	190	0.42
259000	0.79	180	0.40
275000	0.84	191	0.43
262000	0.80	182	0.41
485000	1.49	337	0.75
486000	1.49	338	0.75
350000	1.07	243	0.54
1078000	3.31	749	1.67
373000	1.14	259	0.58
259000	0.79	180	0.40
386000	1.18	268	0.60
216000	0.66	150	0.33
112000	0.34	78	0.17
217000	0.67	151	0.34
252000	0.77	175	0.39
242000	0.74	168	0.37
240000	0.74	167	0.37
250000	0.77	174	0.39
255000	0.78	177	0.39
194000	0.60	135	0.30
256000	0.79	178	0.40
235000	0.72	163	0.36
194000	0.60	135	0.30
240000	0.74	167	0.37
256000	0.79	178	0.40
252000	0.77	175	0.39
298000	0.91	207	0.46
243000	0.75	169	0.38
221000	0.68	153	0.34
221000	0.68	153	0.34

2011 Infiltration Gallery

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
369837	141000	0.43	98	0.22
369949	112000	0.34	78	0.17
370069	120000	0.37	83	0.19
370197	128000	0.39	89	0.20
370317	120000	0.37	83	0.19
370452	135000	0.41	94	0.21
370592	140000	0.43	97	0.22
370704	112000	0.34	78	0.17
370816	112000	0.34	78	0.17
370956	140000	0.43	97	0.22
371093	137000	0.42	95	0.21
371210	117000	0.36	81	0.18
371295	85000	0.26	59	0.13
371441	146000	0.45	101	0.23
371562	121000	0.37	84	0.19
371682	120000	0.37	83	0.19
371817	135000	0.41	94	0.21
371934	117000	0.36	81	0.18
372064	130000	0.40	90	0.20
372194	130000	0.40	90	0.20
372312	118000	0.36	82	0.18
372442	130000	0.40	90	0.20
372577	135000	0.41	94	0.21
372712	135000	0.41	94	0.21
372820	108000	0.33	75	0.17
372945	125000	0.38	87	0.19
373074	129000	0.40	90	0.20
373209	135000	0.41	94	0.21
373338	129000	0.40	90	0.20
373459	121000	0.37	84	0.19
Maximum	438000	1.34	304	0.68

Total Annual Gallons = 61755000
Total Annual Acre Feet = 190

2011 Snake River

daily meter reading	gallons per day	af per day	Ave. Daily Gpm	Ave. daily cfs
605332	134000	0.41	93	0.21
605441	109000	0.33	76	0.17
605557	116000	0.36	81	0.18
605684	127000	0.39	88	0.20
605799	115000	0.35	80	0.18
605931	132000	0.41	92	0.20
606066	135000	0.41	94	0.21
606175	109000	0.33	76	0.17
606284	109000	0.33	76	0.17
606419	135000	0.41	94	0.21
606551	132000	0.41	92	0.20
606664	113000	0.35	78	0.17
606854	190000	0.58	132	0.29
606886	32000	0.10	22	0.05
607001	115000	0.35	80	0.18
607118	117000	0.36	81	0.18
607248	130000	0.40	90	0.20
607364	116000	0.36	81	0.18
607492	128000	0.39	89	0.20
607620	128000	0.39	89	0.20
607729	109000	0.33	76	0.17
607857	128000	0.39	89	0.20
607987	130000	0.40	90	0.20
608117	130000	0.40	90	0.20
608208	91000	0.28	63	0.14
608325	117000	0.36	81	0.18
608448	123000	0.38	85	0.19
608575	127000	0.39	88	0.20
608697	122000	0.37	85	0.19
608811	114000	0.35	79	0.18
Maximum	803000	2.46	558	1.24

Total Annual Gallons = 62954000
Total Annual Acre Feet = 193

TOTALS

Gallons per day	af per day	ave daily gpm	ave daily cfs
275000	0.84	191	0.43
221000	0.68	153	0.34
236000	0.72	164	0.37
255000	0.78	177	0.39
235000	0.72	163	0.36
267000	0.82	185	0.41
275000	0.84	191	0.43
221000	0.68	153	0.34
221000	0.68	153	0.34
275000	0.84	191	0.43
269000	0.83	187	0.42
230000	0.71	160	0.36
275000	0.84	191	0.43
178000	0.55	124	0.28
236000	0.72	164	0.37
237000	0.73	165	0.37
265000	0.81	184	0.41
233000	0.72	162	0.36
258000	0.79	179	0.40
258000	0.79	179	0.40
227000	0.70	158	0.35
258000	0.79	179	0.40
265000	0.81	184	0.41
265000	0.81	184	0.41
199000	0.61	138	0.31
242000	0.74	168	0.37
252000	0.77	175	0.39
262000	0.80	182	0.41
251000	0.77	174	0.39
235000	0.72	163	0.36
Maximum	3.31	749	1.67

Total Annual Gallons = 124709000
Total Annual Acre Feet = 383

RECEIVED

JAN 20 2015

DEPARTMENT OF
WATER RESOURCES

City of Glenns Ferry

110 East 2nd Avenue ~ P. O. Box 910 ~ Glenns Ferry, ID 83623
208-366-7418 ~ fax 208-366-2238

MAYOR
Connie Wills

CITY CLERK/ TREASURE
Debra Rowan

PUBLIC WORKS DIRECTOR
Jeff Cook

CITY COUNCIL
Larry Stevenson, President
Traci Stewart, Vice President
Alan Crane
Robert Janousek

January 15, 2015

Idaho Department of Water Resources
Attn: Daniel A. Nelson
322 East Front Street,
PO Box 83720
Boise, ID 83720-0098

RE: Water Right Permit No. 02-7470 and 61-7679

Dear Mr. Nelson:

Enclosed are the figures you have requested on the above mentioned Water rights. These are the rights that are used for domestic drinking water .

- 1) For our MADD calculation I reviewed the last three years of pumping records and used the highest daily pumping record, which equated to 468 gpm.
- 2) For our PID diversion rate I referred to our plant design which can call for 1600 gpm.

If you have any further questions please feel free to contact me.

Sincerely,



Jeff Cook
Public Works Director
City of Glenns Ferry
Office (208)366-7418
Cell (208)599-3741



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 GLENNS FERRY
ATTN JEFF COOK
PO BOX 910
GLENNS FERRY ID 83623-0910

RE: Water Right Permit No. 02-7470 and 61-7679

Dear Mr. Cook:

I have been asked to attain the answers to two questions concerning the City of Glenn's Ferry's total water use needs before we can move forward with the licensing of the above two water rights. We will also need an amendment for water right 02-7470 to ensure the point of diversion is correctly described in the water rights, but I want to wait until I have all of the data I need to complete the licensing process. Please supply the following information:

- 1.) Our office will need the maximum average daily diversion (MADD) for the City of Glenn's Ferry'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 Glenn's Ferry's system. This rate would be the absolute maximum rate of flow that is required to supply the City of Glenn's Ferry 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

Nelson, Dan

From: Jeff Cook [jeffcook@rtci.net]
Sent: Monday, December 08, 2014 10:26 AM
To: Nelson, Dan
Subject: Fwd: Glenns Ferry
Attachments: iphone 362.JPG; iphone 372.JPG

----- Forwarded message -----

From: Jeff Cook <jeffcook@rtci.net>
Date: Mon, Dec 8, 2014 at 10:11 AM
Subject: Glenns Ferry
To: dan.nelson@idwr.id.gov

Dan,
Here are the pictures of the max pumping from both locations.
The River flows are 500gpm lower than the Springs however the spring pumps were just recently rebuilt so that is why we see the difference.

The River flows were taken on 12/08/2014 at 8:20 am of 1104 gpm
The spring flows were taken on 12/08/2014 at 8:35 am of 1676 gpm

Hopefully this gives you the needed information if not please don't hesitate to give me a call.
Have a Great Day.
Jeff

--
Jeff Cook
Public Works Director
City of Glenns Ferry
Office [\(208\)366-7418](tel:(208)366-7418)
Cell [\(208\)599-3741](tel:(208)599-3741)

--
Jeff Cook
Public Works Director
City of Glenns Ferry
Office (208)366-7418
Cell (208)599-3741



G.P.M.



1000 GALLONS



G.P.M.

16 5
5 15 3 3

1000 GALLONS



Hemenway, Sandy

From: Hemenway, Sandy
Sent: Thursday, April 10, 2014 11:17 AM
To: Hemenway, Sandy; jeffcook@rtci.net
Subject: RE: 2-7470 (surface water treatment plant) and 61-7679 (infiltration gallery)

Just following up on this 😊

From: Hemenway, Sandy
Sent: Thursday, March 27, 2014 2:30 PM
To: jeffcook@rtci.net
Cc: Hemenway, Sandy
Subject: 2-7470 (surface water treatment plant) and 61-7679 (infiltration gallery)
Importance: High

Hi Jeff,

Can you scan and send me copies of your daily, and monthly flow records (send only 1 – 3 years during the following time periods) for:

- (1) 2000 forward for the infiltration gallery
- (2) 2008 forward from the surface water intake. Please try to send flows during your highest demand months.

Also, do you know what your peak demand flow is from your infiltration gallery intake, and from your surface water intake (gpm or cfs)?

I'm trying to make sure that your water rights are representative of your "highest demand," so the water rights are licensed for those amounts, to prevent violations.

Thanks,

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

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Thursday, April 10, 2014 11:17 AM
To: Hemenway, Sandy; jeffcook@rtci.net
Subject: RE: 2-7470 City of Glenns Ferry

Just following up on this 😊

From: Hemenway, Sandy
Sent: Friday, March 28, 2014 11:14 AM
To: jeffcook@rtci.net
Cc: Hemenway, Sandy
Subject: 2-7470 City of Glenns Ferry
Importance: High

Hi Jeff,

Can you send me a copy of the plans or map for treatment plant? If you have a small version that can be scanned and emailed, that would be great.

Thanks,

Sandy

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

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Thursday, April 10, 2014 11:17 AM
To: Hemenway, Sandy; jeffcook@rtci.net
Subject: RE: ~~2-7470 (surface water treatment plant)~~ and 61-7679 (infiltration gallery)
61-7679

Just following up on this ☺

From: Hemenway, Sandy
Sent: Thursday, March 27, 2014 2:30 PM
To: jeffcook@rtci.net
Cc: Hemenway, Sandy
Subject: 2-7470 (surface water treatment plant) and 61-7679 (infiltration gallery)
Importance: High

Hi Jeff,

Can you scan and send me copies of your daily, and monthly flow records (send only 1 – 3 years during the following time periods) for:

- (1) 2000 forward for the infiltration gallery
- (2) 2008 forward from the surface water intake. Please try to send flows during your highest demand months.

Also, do you know what your peak demand flow is from your infiltration gallery intake, and from your surface water intake (gpm or cfs)?

I'm trying to make sure that your water rights are representative of your "highest demand," so the water rights are licensed for those amounts, to prevent violations.

Thanks,

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

Hemenway, Sandy

From: Jeff Cook [jeffcook@rtci.net]
Sent: Tuesday, April 01, 2014 11:32 AM
To: Hemenway, Sandy
Subject: Re: 2-7470 and 61-7679 City of Glenns Ferry

Sandy,

The map looks fine. Congratulations on your retirement you are definitely dedicated to the end.
Jeff

On Fri, Mar 28, 2014 at 6:32 AM, Hemenway, Sandy <Sandy.Hemenway@idwr.idaho.gov> wrote:

Hi Jeff,

I have attached maps for the following water rights: 2-7470 (Snake River source for the treatment plant), and 61-7679 (Springs; infiltration gallery expansion). I have also attached close ups of the locations, and an entire map of the service area boundary with other water rights showing.

Please let me know if you agree with the locations for 2-7470 and 61-7679, and if not, mark and label the map with corrections and scan and send a copy of the corrections. Sorry for the rush, but I am retiring 4/17/2014 and would like to have all my field exams written up prior to my leaving, and also get the City of Glenns Ferry's licenses approved and signed.

Thanks so much, since I really appreciate all the help you have given me over the years.

Sandy

Sandy Hemenway

Sr. Water Resource Agent

IDWR State Office, Boise

[\(208\)287-4920](tel:(208)287-4920)

Cell: [\(208\)761-0280](tel:(208)761-0280)

Sandy.hemenway@idwr.idaho.gov

DAILY METER READINGS

MONTH JAN YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	311704	810	545857	810	646130	805	755566
2	755	311737	755	546028	755	646350	750	755736
3	815	311774	815	546284	815	646570	810	755982
4	810	311794	810	546508	810	646790	805	756191
5	822	311821	822	546668	822	647010	818	756358
6	814	311856	814	546868	814	647220	812	756551
7	820	311898	820	547080	820	647440	815	756754
8	810	311930	810	547274	810	647660	805	756953
9	810	311956	810	547472	810	647880	805	757138
10	810	312000	810	547718	810	648100	805	757375
11	815	312109	815	547794	815	648320	810	757537
12	810	312294	810	547871	810	648540	805	757253
13	820	312467	820	547949	820	648760	815	757962
14	810	312610	810	548062	810	648980	805	758175
15	800	312636	800	548289	800	649200	755	758388
16	750	312778	750	548391	750	649410	745	758613
17	825	312930	825	548503	825	649630	820	758844
18	810	313061	810	548606	810	649850	805	759067
19	805	313182	805	548751	805	650070	800	759309
20	805	313264	805	548873	805	650290	800	759486
21	815	313371	815	549027	815	650510	810	759716
22	815	313473	815	549157	815	650730	810	759925
23	810	313573	810	549281	810	650950	805	760187
24	815	313672	815	549449	815	651160	810	760363
25	810	313838	810	549520	810	651380	805	760567
26	820	313993	820	549579	820	651600	815	760745
27	853	314144	853	549680	853	651810	850	760957
28	805	314294	805	549788	805	652030	800	761166
29	805	314438	805	549892	805	652250	800	761367
30	805	314580	805	549996	805	652470	800	761574
31	810	314734	810	550109	810	652680	805	761782

6,216,000

DAILY METER READINGS

MONTH

FEB

YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	805	314874	805	550210	805	652900	800	761984
2	810	315003	810	550306	810	653120	805	762166
3	810	315148	810	550412	810	653330	805	762376
4	815	315292	815	550513	815	653550	810	762567
5	815	315443	815	550618	815	653770	810	762782
6	815	315583	815	550716	815	653980	810	762981
7	815	315723	815	550814	815	654190	810	763201
8	810	315877	810	550920	810	654420	805	763393
9	805	316015	805	551014	805	654630	800	763597
10	814	316169	814	551123	814	654850	810	763809
11	808	316315	808	551231	808	655030	805	764008
12	805	316454	805	551333	805	655280	800	764215
13	810	316601	810	551442	810	655500	805	764427
14	815	316770	815	551565	815	655710	810	764651
15	810	316913	810	551666	810	655930	805	764857
16	805	317078	805	551777	805	656150	800	765083
17	805	317214	805	551870	805	656360	800	765270
18	815	317381	815	551973	815	656580	810	765491
19	810	317541	810	552065	810	656790	805	765693
20	810	317677	810	552158	810	657000	805	765873
21	810	317847	810	552229	810	657220	805	766084
22	815	318000	815	552304	815	657440	810	766280
23	810	318160	810	552389	810	657650	805	766482
24	810	318322	810	552468	810	657870	805	766671
25	810	318480	810	552536	810	658080	805	766869
26	815	318632	815	552613	815	658300	810	767057
27	800	318779	800	552688	800	658510	755	767243
28	805	318917	805	552756	805	658720	800	767393
29								
30								
31								

5,409,

5,409,000

DAILY METER READINGS

MONTH MARCH YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	750	319105	750	552846	750	658940	755	767647
2	805	319271	805	552932	805	659150	800	767855
3	800	319437	800	553018	800	659360	755	768063
4	800	319603	800	553104	800	659570	755	768241
5	800	319734	800	553166	800	659790	755	768438
6	810	319865	810	553228	810	660010	805	768627
7	810	319996	810	553290	810	660230	805	768816
8	805	320193	805	553403	805	660430	800	769023
9	815	320357	815	553484	815	660650	813	769224
10	805	320519	805	553566	805	660860	800	769428
11	805	320667	805	553642	805	661070	800	769615
12	805	320835	805	553726	805	661280	800	769825
13	805	320987	805	553803	805	661490	800	770011
14	805	321148	805	553885	805	661710	800	770220
15	805	321308	805	553966	805	661920	800	770426
16	805	321465	805	554046	805	662130	810	770625
17	810	321620	810	554124	810	662340	805	770824
18	815	321775	815	554202	815	662550	810	771030
19	810	321930	810	554280	810	662760	805	771217
20	810	322085	810	554358	810	662970	805	771425
21	810	322240	810	554436	810	663180	805	771625
22	810	322490	810	554454	810	663400	805	771812
23	810	322688	810	554502	810	663610	805	772009
24	810	322848	810	554551	810	663820	805	772195
25	8:25	323071	825	554611	825	664040	835	772434
26	805	323291	805	554668	805	675880	800	772668
27	700	323499	700	554724	700	677980	655	772892
28	805	323711	805	554781	805	678400	800	773120
29	805	323896	805	554828	805	678620	800	773321
30	805	324080	805	554880	805	678830	800	773521
31	800	324279	800	554933	800	679040	755	773728

6,081,000

DAILY METER READINGS

MONTH April YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	324478	810	554986	810	679250	805	773942
2	810	324684	810	555039	810	679460	805	774167
3	810	324826	810	555092	810	679670	805	774353
4	815	324868	815	555346	815	679880	810	774577
5	805	325061	805	555397	805	680090	800	774777
6	805	325260	805	555450	805	680300	810	774988
7	805	325464	805	555504	805	680510	800	775200
8	800	325672	800	555563	800	680720	755	775424
9	800	325853	800	555610	800	680920	755	775609
10	805	326039	805	555662	805	681140	800	775810
11	800	326257	800	555722	800	681350	750	776043
12	805	326447	805	555773	805	681550	800	776245
13	805	326670	805	555834	805	681760	800	776485
14	805	326858	805	555881	805	681760	800	776681
15	805	327077	805	555942	805	682180	800	776910
16	810	327267	810	556035	810	682380	805	777064
17	810	327453	810	556131	810	682580	805	777400
18	805	327657	805	556231	805	682790	800	777657
19	805	327812	805	556309	805	683000	800	777851
20	805	328007	805	556403	805	683200	800	778104
21	805	328189	805	556488	805	683410	800	778324
22	800	328370	800	556577	800	683620	755	778547
23	755	328549	755	556666	755	683820	750	778778
24	805	328767	805	556775	805	684030	800	779047
25	805	328949	805	556868	805	684230	800	779285
26	800	329117	800	556952	800	684440	755	779506
27	805	329303	805	557044	805	684640	800	779734
28	800	329463	800	557127	800	684850	755	779939
29	815	329646	815	557220	815	685050	810	780169
30	810	329864	810	557329	810	685260	805	780414
31								

6,472,000

DAILY METER READINGS

MONTH

MAY

YR

2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	330132	810	557467	810	685460	805	780790
2	810	330324	810	557648	810	685670	805	781134
3	805	330471	805	557792	805	685870	800	781394
4	805	330613	805	557930	805	686080	800	781647
5	805	330756	805	558087	805	686280	800	781915
6	810	330987	810	558190	810	686400	805	782207
7	805	331215	805	558306	805	686690	800	782496
8	805	331391	805	558396	805	686690	800	782728
9	805	331558	805	558553	805	687100	800	782996
10	805	331700	805	558686	805	687300	800	783232
11	805	331857	805	558832	805	687510	800	783496
12	805	332048	805	558983	805	687710	800	783755
13	810	332206	810	559159	810	687910	805	784069
14	810	332394	810	559335	810	688110	805	784366
15	810	332517	810	559452	810	688120	805	784594
16	810	332665	810	559723	810	688120	805	784966
17	810	332784	810	559917	810	688320	805	785219
18	805	332900	805	560114	805	688530	800	785499
19	750	333022	750	560281	750	688750	755	785749
20	805	333160	805	560462	805	688960	800	786014
21	800	333327	800	560662	800	689160	755	786318
22	805	333485	805	560880	805	689370	800	786648
23	810	333647	810	561084	810	689570	805	786969
24	805	333906	805	561287	805	689780	800	787257
25	805	333970	805	561506	805	690390	800	787592
26	805	334105	805	561706	805	690630	800	787868
27	815	334253	815	561908	815	695350	810	788174
28	805	334350	805	562041	805	698040	800	788367
29	810	334441	810	562401	810	704180	805	788763
30	810	334454	810	562706	810	704430	805	789040
31	815	334484	815	563071	815	707900	810	789384

8594000

DAILY METER READINGS

MONTH June YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	820	334646	820	563336	820	713570	815	789752
2	805	334920	805	563422	805	713800	800	790063
3	805	335170	805	563500	805	714040	800	790344
4	810	335477	810	563594	810	714280	805	790661
5	810	335758	810	563687	810	714520	805	791012
6	800	336072	800	563787	800	714760	755	791358
7	805	336315	805	563865	805	714990	800	791645
8	805	336556	805	563944	805	715230	800	791908
9	800	336812	800	564025	800	719910	755	792195
10	810	337068	810	564106	810	724590	805	792486
11	805	337352	805	564197	805	724690	800	792807
12	805	337614	805	564281	805	724830	800	793102
13	815	337949	815	564391	815	725150	810	793477
14	805	338257	805	564484	805	725310	800	793825
15	814	338598	814	564599	814	725550	820	794218
16	815	338892	815	564695	815	725800	810	794547
17	805	339170	805	564785	805	726030	800	794857
18	810	339491	810	564888	810	726270	805	795224
19	805	339759	805	564978	805	726490	800	795530
20	805	340027	805	565065	805	726730	800	795823
21	805	340385	805	565179	805	726970	800	796233
22	640	340750	640	565296	640	727200	635	796645
23	800	341098	800	565402	800	727440	755	797041
24	810	341446	810	565515	810	727680	805	797418
25	805	341728	805	565627	805	727930	800	797776
26	805	342011	805	565739	805	728180	800	798139
27	810	342419	810	565849	810	728440	805	798561
28	805	342797	805	565967	805	728610	800	798996
29	805	343220	805	566100	805	728850	800	799475
30	805	343564	805	566205	805	729080	800	799861
31								

10,109,000

DAILY METER READINGS

MONTH July YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	343987	810	566340	810	733680	805	800330
2	815	344316	815	566443	815	733920	810	800703
3	825	344733	825	566576	825	734160	820	801184
4	830	345158	830	566712	830	734390	825	801661
5	835	345543	835	566829	835	734620	830	802099
6	810	345939	810	566952	810	734850	805	802555
7	800	346345	800	567080	800	735060	755	803017
8	810	346674	810	567183	810	735300	805	803478
9	810	346997	810	567425	810	735540	805	803886
10	805	347246	805	567740	805	735770	800	804382
11	825	347474	825	568051	825	735990	830	804886
12	805	347678	805	568363	805	736200	800	805335
13	810	347904	810	568819	810	736450	805	805912
14	805	348184	805	569012	805	736680	800	806328
15	805	348492	805	569239	805	736890	800	806796
16	805	348814	805	569481	805	737110	800	807285
17	805	349252	805	569789	805	737340	800	807965
18	805	349574	805	570051	805	737570	800	808465
19	810	349991	810	570184	810	737810	805	808969
20	805	350115	805	570612	805	738040	800	809443
21	810	350423	810	570839	810	738250	805	809947
22	810	350593	810	571251	810	738590	805	810429
23	810	350881	810	571478	810	738800	805	810860
24	810	351189	810	571705	810	739016	805	811333
25	810	351210	810	572205	810	739180	805	811790
26	805	351419	805	572494	805	739380	800	812238
27	805	351650	805	572804	805	739810	800	812711
28	805	351866	805	573096	805	739830	800	813164
29	805	351960	805	573597	805	740070	800	813689
30	805	352039	805	574028	805	740290	800	814130
31	810	352099	810	574462	810	740520	805	814567

14,237,000

DAILY METER READINGS

MONTH *August* YR *2011*

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	805	352163	805	574865	805	740740	800	814977
2	805	352228	805	575317	805	740950	800	815432
3	800	352293	800	575766	800	741170	755	815876
4	800	352346	800	576190	800	741400	755	816293
5	805	352399	805	576614	805	741630	800	816749
6	805	352452	805	577038	805	741860	800	817173
7	810	352505	810	577462	810	742090	805	817639
8	825	352560	825	578015	825	742310	820	818078
9	805	352714	805	578372	805	742520	800	818531
10	800	352961	800	578683	800	742750	755	819015
11	800	353162	800	578956	800	742920	755	819432
12	810	353385	810	579235	810	743210	805	819878
13	800	353613	800	579540	800	743420	755	820347
14	800	353830	800	579817	800	743650	755	820790
15	810	354026	810	580075	810	743870	805	821188
16	810	354240	810	580351	810	744090	805	821632
17	810	354484	810	580665	810	744320	805	822125
18	810	354677	810	580916	810	744540	805	822521
19	820	354925	820	581237	820	744770	815	823021
20	815	355130	815	581505	815	744990	810	823451
21	805	355328	805	581793	805	745220	800	823872
22	805	355543	805	582102	805	745490	800	824338
23	810	355758	810	582426	810	745740	805	824801
24	800	355994	800	582754	800	746000	755	825306
25	820	356200	820	583062	820	746270	815	825753
26	830	356398	830	583340	830	746530	825	826184
27	810	356600	810	583641	810	746790	805	826624
28	805	356786	805	583900	805	747050	800	827030
29	800	357001	800	584216	800	747320	755	827499
30	805	357195	805	584506	805	747580	800	827931
31	800	357416	800	584827	800	747840	755	828411

13,434,000

DAILY METER READINGS

MONTH

Sept

YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	357589	810	585088	810	748100	805	828807
2	815	357759	815	585326	815	748370	810	829175
3	810	357929	810	585564	810	748640	805	829560
4	805	358102	805	585825	805	748900	800	829933
5	805	358292	805	586157	805	749150	800	830367
6	745	358453	745	586481	745	749410	755	830755
7	810	358645	810	586724	810	749680	805	831171
8	810	358808	810	586986	810	749940	805	831550
9	810	358988	810	587259	810	750190	805	831941
10	810	359173	810	587535	810	750460	805	832332
11	815	359341	815	587791	815	750710	810	832721
12	805	359523	805	588073	805	750980	800	833121
13	805	359713	805	588360	805	751240	800	833551
14	805	359920	805	588692	805	751500	800	834015
15	805	360116	805	589066	805	751760	800	834454
16	815	360277	815	589280	815	752020	810	834894
17	810	360447	810	589518	810	752290	805	835258
18	810	360610	810	589780	810	752550	805	835572
19	805	360788	805	590130	805	752790	800	835975
20	805	360973	805	590412	805	753060	800	836386
21	805	361191	805	590753	805	753320	800	836860
22	805	361377	805	591063	805	753580	800	837287
23	805	361584	805	591396	805	753840	800	837733
24	810	361778	810	591716	810	754100	805	838176
25	800	361956	800	591997	800	754370	753	838563
26	805	362142	805	592296	805	754630	800	838966
27	835	362326	835	592619	835	754890	830	839398
28	800	362510	800	592942	800	755150	755	839868
29	755	362741	755	593268	755	755410	750	840294
30	750	362972	750	593594	750	755670	745	840747
31								

11,940,000

DAILY METER READINGS

MONTH

Oct

YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	750	363133	750	593868	750	755930	745	841119
2	820	363247	820	594093	820	756200	815	841417
3	920	363429	920	594869	920	756470	915	841786
4	805	363611	805	594645	805	756740	800	842050
5	805	363725	805	594870	805	757010	800	842374
6	755	363773	755	595022	755	757250	750	842589
7	835	363860	835	595243	835	757430	830	842846
8	805	363966	805	595450	805	757780	800	843071
9	805	364078	805	595638	805	758040	800	843314
10	800	364198	800	595860	800	758300	755	843570
11	825	364291	825	596047	825	758570	820	843803
12	905	364398	905	596238	905	758830	900	844036
13	805	364505	805	596429	805	759090	800	844040
14	815	364612	815	596620	815	759350	810	844046
15	810	364705	810	596807	810	759620	805	844266
16	805	364798	805	596994	805	759890	800	844493
17	810	364905	810	597185	810	760150	805	844717
18	825	364988	825	597317	825	760420	820	844922
19	835	365094	835	597506	835	760680	830	845146
20	820	365176	820	597675	820	760950	815	845345
21	815	365269	815	597841	815	761210	810	845545
22	805	365360	805	598009	805	761480	800	845747
23	805	365461	805	598181	805	761740	800	845961
24	805	365561	805	598345	805	762010	800	846163
25	815	365648	815	598513	815	762270	810	846357
26	815	365730	815	598682	815	762540	810	846556
27	815	365824	815	598850	815	762800	810	846767
28	815	365906	815	599019	815	763070	810	846988
29	815	365999	815	599206	815	763340	810	847183
30	815	366092	815	599372	815	763600	810	847402
31	815	366212	815	599554	815	763860	810	847608

6,489,000

DAILY METER READINGS

MONTH

Nov

YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	835	366296	835	599717	835	764120	830	847797
2	820	366390	820	599897	820	764390	815	848000
3	825	366482	825	600064	825	764660	820	848198
4	810	366567	810	600254	810	764920	805	848405
5	810	366656	810	600427	810	765190	805	848574
6	755	366851	755	600717	755	765450	750	848769
7	755	367046	755	601008	755	765720	750	848977
8	805	367174	805	601230	805	765980	800	849179
9	840	367449	840	602033	840	766250	845	849324
10	800	367587	800	602268	800	766510	755	849587
11	810	367679	810	602435	810	766780	805	849806
12	810	367774	810	602726	810	767050	805	849990
13	810	367809	810	602916	810	767310	805	850195
14	810	367874	810	602954	810	767570	805	850407
15	820	367965	820	603080	820	767840	815	850595
16	817	368078	817	603219	817	768100	813	850793
17	800	368182	800	603357	800	768370	755	850985
18	835	368278	835	603501	835	768640	830	851191
19	915	368385	915	603644	915	768910	905	851382
20	920	368492	920	603792	920	769160	915	851579
21	810	368575	810	603903	810	769430	815	851762
22	815	368685	815	604049	815	769700	810	851973
23	815	368792	815	604177	815	769960	810	852165
24	810	368875	810	604288	810	770230	805	852361
25	810	368971	810	604432	810	770500	805	852567
26	755	369081	755	604578	755	770770	750	852743
27	800	369194	800	604717	800	771030	755	852946
28	820	369352	820	604857	820	771290	815	853169
29	815	369474	815	604978	815	771550	820	853366
30	755	369585	755	605088	755	771820	750	853548
31								

5,751,000

DAILY METER READINGS

MONTH Dec YR 2011

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	369696	810	605198	810	772090	805	853743
2	805	369837	805	605332	805	772350	800	8533958
3	750	369949	850	605441	750	772610	745	854140
4	800	370069	800	605557	800	772880	750	854341
5	805	370197	805	605684	805	773140	800	854539
6	810	370317	810	605799	810	773410	805	854735
7	810	370452	810	605931	810	773670	805	854960
8	810	370592	810	606066	810	773940	805	855186
9	810	370704	810	606175	810	774200	805	855392
10	805	370816	805	606284	805	774460	800	855584
11	805	370956	805	606419	805	774730	800	855785
12	820	371093	820	606551	820	775000	815	855995
13	815	371210	815	606664	815	775260	810	856184
14	810	371295	810	606854	810	775520	805	856364
15	810	371441	810	606886	810	775790	805	856561
16	805	371562	805	607001	805	776060	800	856755
17	805	371682	805	607118	805	776320	800	856943
18	800	371817	800	607248	800	776590	755	857160
19	815	371934	815	607364	815	776850	810	857359
20	810	372064	810	607492	810	777110	805	857562
21	810	372194	810	607620	810	777370	805	857757
22	815	372312	815	607729	815	777640	810	857980
23	815	372442	815	607857	815	777900	810	858171
24	815	372577	815	607987	815	778170	810	858383
25	810	372712	810	608117	810	778440	805	858585
26	810	372820	810	608208	810	778700	805	858786
27	755	372945	755	608325	755	778960	750	858983
28	805	373074	805	608448	805	779220	800	859195
29	810	373209	810	608575	810	779490	805	859409
30	805	373338	850	608697	805	779750	800	859622
31	805	373459	805	608811	805	780010	800	859814

6,071,000

DAILY METER READINGS

MONTH

JAN

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	805	373588	805	608934	805	780270	800	860018
2	810	373711	810	609049	810	780540	805	860217
3	815	373846	815	609177	815	780800	810	860430
4	900	373975	900	609305	900	781060	850	860633
5	815	374100	815	609417	815	781320	810	860835
6	820	374223	820	609532	820	781590	815	861037
7	810	374358	810	609660	810	781850	805	861224
8	805	374465	805	609763	805	782100	800	861421
9	810	374586	810	609877	810	782860	805	861624
10	810	374718	810	610001	810	782620	805	861833
11	815	374839	815	610115	815	782880	810	862032
12	810	374962	810	610231	810	783150	805	862222
13	815	375097	815	610359	815	783410	810	862427
14	805	375218	805	610473	805	783650	800	862627
15	805	375339	805	610587	805	783890	800	862830
16	805	375471	805	610711	805	784130	800	863030
17	805	375596	805	610830	805	784490	800	863244
18	805	375722	805	610949	805	784760	800	863449
19	835	375851	835	611070	835	785040	830	863657
20	805	375970	805	611183	805	785300	800	863842
21	800	376103	800	611308	800	785580	755	864050
22	805	376225	805	611423	805	785850	800	864259
23	805	376361	805	611552	805	786120	800	864477
24	810	376482	810	611665	810	786400	805	864666
25	810	376603	810	611778	810	786680	805	864872
26	810	376732	810	611899	810	786960	805	865071
27	810	376851	810	612012	810	787220	805	865270
28	810	376970	810	612125	810	787480	805	865467
29	810	377089	810	612238	810	787740	805	865671
30	820	377255	820	612393	820	788030	815	865907
31	815	377369	815	612500	815	788300	810	866088

DAILY METER READINGS

MONTH

Feb

YR 2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
							810	866289
1	815	377495	815	612618	815	788570	810	866289
2	810	377619	810	612735	810	788840	805	866481
3	800	377737	800	612846	800	789110	750	866672
4	805	377860	805	612962	805	789380	800	866875
5	810	377987	810	613082	810	789660	805	867064
6	805	378110	805	613198	805	789930	800	867277
7	820	378238	820	613319	820	790200	815	867488
8	825	378358	825	613433	825	790470	820	867675
9	815	378484	815	613560	815	790740	810	867876
10	815	378608	815	613679	815	791011	810	868089
11	815	378732	815	613799	815	791281	810	868290
12	815	378856	815	613918	815	791552	810	868487
13	815	378993	815	614032	815	791830	810	868699
14	815	379115	815	614147	815	792100	810	868887
15	830	379238	830	614264	830	793870	825	869092
16	815	379362	815	614380	815	794140	810	869290
17	805	379483	805	614496	805	794410	800	869484
18	805	379601	805	614606	805	794680	800	869680
19	805	379729	805	614727	805	794950	800	869875
20	800	379844	800	614835	800	795220	755	870069
21	755	379975	755	614958	755	795490	750	870272
22	815	380095	815	615070	815	795760	810	870464
23	815	380215	815	615194	815	796030	810	870664
24	820	380335	820	615318	820	796300	815	870858
25	810	380460	810	615443	810	796570	805	871046
26	810	380584	810	615567	810	796840	805	871235
27	820	380708	820	615649	820	797120	815	871454
28	820	380822	820	615721	820	797390	815	871644
29	822	380951	822	615873	822	797660	818	871838
30								
31								

DAILY METER READINGS

MONTH March YR 2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	835	381078	835	615998	835	797930	830	872042
2	755	381192	755	616112	755	798190	750	872221
3	805	381300	805	616208	805	798470	800	872406
4	800	381422	800	616323	800	798740	750	872592
5	805	381553	805	616446	805	799010	800	872800
6	825	381677	825	616528	825	799290	820	872999
7	810	381799	810	616679	810	799550	805	873191
8	830	381915	830	616789	830	799820	825	873384
9	820	382039	820	616871	820	800090	815	873570
10	805	382163	805	616953	805	800360	800	873764
11	810	382287	810	617035	810	800630	805	873960
12	815	382396	815	617241	815	800910	810	874151
13	815	382512	815	617350	815	801180	810	874342
14	800	382584	800	617419	800	801450	750	874438
15	835	382752	835	617578	835	801320	830	874719
16	810	382872	810	617691	810	801900	805	874917
17	835	383040	835	617850	835	802170	830	875101
18	800	383095	800	617901	800	802530	755	875285
19	825	383243	825	618041	825	802800	820	875571
20	825	383351	825	618143	825	803070	820	875696
21	830	383468	830	618254	830	803340	825	875886
22	820	383601	820	618379	820	803600	815	876090
23	750	383726	750	618585	750	803880	745	876292
24	810	383846	810	618791	810	804150	805	876471
25	810	383966	810	618827	810	804420	805	876682
26	755	384095	755	618846	755	804680	800	876891
27	800	384204	800	619046	800	804950	805	877089
28	815	384324	815	619246	815	805220	810	877289
29	820	384461	820	619913	820	805400	815	877486
30	815	384590	815	619314	815	805760	810	877693
31	800	384717	800	619433	800	806020	750	877897

DAILY METER READINGS

MONTH

April

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	384844	810	619554	810	806290	805	878101
2	810	384973	810	619675	810	806560	805	878312
3	815	385102	815	619798	815	806820	810	878516
4	810	385246	810	619934	810	807090	805	878747
5	805	385365	805	620048	805	807360	800	878938
6	810	385490	810	620173	810	807551	805	879173
7	800	385610	800	620293	800	807742	755	879373
8	810	385730	810	620413	810	807933	805	879600
9	810	385937	810	620587	810	808430	815	879877
10	810	386111	800	620750	800	808700	805	880174
11	820	386301	820	620929	820	808970	815	880478
12	820	386429	820	621052	820	809240	815	880686
13	820	386585	820	621198	820	809500	815	880935
14	805	386733	805	621337	805	809770	800	881176
15	805	386871	805	621466	805	810040	800	881393
16	835	387020	835	621608	835	810300	830	881640
17	810	387165	810	621745	810	810570	805	881873
18	810	387290	810	621870	810	810770	805	882101
19	810	387444	810	622007	810	811100	805	882324
20	810	387569	810	622132	810	811290	805	882571
21	810	387694	810	622257	810	811490	805	882825
22	810	387814	810	622377	810	811680	805	883198
23	810	388219	810	622737	810	812170	805	883585
24	815	388480	815	622980	815	812440	810	884020
25	815	388741	815	623223	815	812710	810	884435
26	815	388940	815	623414	815	812970	810	884799
27	810	389105	810	623569	810	813230	750	885060
28	755	389260	755	623714	755	813500	750	885324
29	805	389431	805	623876	805	813760	800	885611
30	815	389634	815	624066	815	814030	810	885937
31								

DAILY METER READINGS

MONTH

MAY

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	389809	810	624232	810	814290	805	886234
2	810	389929	810	624352	810	814490	805	886546
3	810	390054	810	624477	810	814760	805	886857
4	810	390174	810	624597	810	814950	805	887146
5	810	390294	810	624717	810	815140	805	887403
6	810	390414	810	624837	810	815330	805	887673
7	810	390534	810	624957	810	815520	805	888022
8	813	391114	818	625460	814	816150	816	888376
9	825	391334	825	625666	825	816410	820	888735
10	815	391550	815	625869	815	816680	810	889090
11	805	391743	805	626061	805	816940	800	889405
12	805	391959	805	626255	805	817210	800	889767
13	810	392182	810	626464	810	817470	805	890135
14	845	392442	845	626708	845	817740	845	890560
15	810	392677	810	626928	810	818000	805	890946
16	820	392897	820	627138	820	818240	815	891356
17	830	393093	830	627365	830	818530	820	891717
18	825	393390	825	627551	825	818790	830	892095
19	715	393532	715	627737	715	819050	700	892338
20	850	393780	850	627961	850	819320	845	892764
21	805	393905	805	628086	805	819590	810	893164
22	810	394278	810	628427	810	819850	805	893529
23	805	394503	805	628638	805	820110	800	893961
24	810	394733	810	628853	810	820370	805	894334
25	810	394964	810	629071	810	820640	805	894716
26	805	395164	805	629258	805	820900	800	895031
27	805	395342	805	629426	805	821170	800	895330
28	755	395532	755	629603	755	821430	750	895640
29	805	395749	805	629809	805	821700	800	895998
30	810	395874	810	629934	810	821970	805	896386
31	810	395994	810	630054	810	822230	805	896735

DAILY METER READINGS

MONTH June YR 2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	755	396119	755	630179	755	822500	800	897153
2	755	396244	755	630304	755	822770	800	897558
3	810	396918	810	630903	810	823010	805	897928
4	815	397202	815	631169	815	823280	810	898392
5	815	397402	815	631369	815	823580	810	898821
6	820	397527	820	631494	820	823850	815	899143
7	815	397917	815	631751	815	824080	810	899495
8	815	398141	815	631961	815	824380	810	899869
9	805	398371	805	632175	805	824790	800	900235
10	810	398558	810	632350	810	825000	805	900547
11	755	398810	755	632586	755	825310	750	900937
12	820	399044	820	632805	820	825620	815	901345
13	825	399563	825	633289	825	826230	820	902198
14	815	400082	815	633773	815	826370	810	902654
15	810	400252	810	633857	810	826650	805	903043
16	810	400376	810	634030	810	826910	805	903360
17	810	400496	810	634150	810	827180	805	903677
18	815	400611	815	634270	815	827450	810	903917
19	835	400839	835	634481	835	827760	830	904297
20	830	401090	830	634716	830	828070	825	904704
21	810	401340	810	634950	810	828370	805	905123
22	810	401601	810	635194	810	828680	805	905542
23	815	401879	815	635453	815	828980	810	905995
24	810	402136	810	635693	810	829290	805	906428
25	835	402434	835	635970	835	829590	830	906915
26	825	402724	825	636243	825	829900	820	907391
27	805	402957	805	636460	805	830200	800	907778
28	810	403227	810	636711	810	830510	805	908227
29	810	403512	810	636978	810	830810	805	908700
30	810	403773	810	637221	810	831110	805	909130
31								

DAILY METER READINGS

MONTH

July

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	404041	810	637473	810	831420	805	909576
2	820	404315	820	637728	820	831720	815	910027
3	835	404594	835	637991	835	832030	820	910498
4	830	404868	830	638244	830	832330	825	910940
5	755	405133	755	638492	755	832640	800	911379
6	810	405400	810	638740	810	832940	805	911824
7	805	405673	805	638995	805	833250	800	912258
8	810	405969	810	639271	810	833550	805	912750
9	810	406256	810	639539	810	833850	805	913241
10	805	406541	805	639805	805	834160	800	913705
11	800	406838	800	640082	800	834460	755	914206
12	805	407123	805	640349	805	834770	800	914675
13	800	407417	800	640622	800	835070	755	915172
14	805	407537	805	640742	805	835320	810	915640
15	810	407939	810	641109	810	835680	805	916011
16	810	408198	810	641352	810	835980	805	916455
17	815	408362	815	641724	815	836280	820	916914
18	810	408510	810	642181	810	836570	805	917434
19	820	408751	820	642511	820	836890	815	917930
20	815	409044	815	642798	815	837210	810	918420
21	810	409355	810	643074	810	837590	805	918922
22	800	409657	800	643357	800	837800	755	919421
23	845	409954	845	643634	845	838100	850	919932
24	810	410263	810	643922	810	838400	805	920441
25	805	410582	805	644219	805	838710	800	920924
26	810	410825	810	644494	810	839010	805	921450
27	810	411046	810	644880	810	839310	805	921938
28	810	411105	810	645324	810	839610	805	922361
29	810	411121	810	645838	810	839910	805	922812
30	810	411130	810	646405	810	840210	805	923316
31	810	411144	810	646971	810	840510	805	923813

DAILY METER READINGS

MONTH August YR 2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	411162	810	647533	810	840850	805	924306
2	800	411179	800	648146	800	841160	755	924846
3	800	411192	800	648879	800	841460	755	925484
4	755	411407	755	649259	755	841760	750	926018
5	755	411646	755	649592	755	842060	750	926518
6	815	411860	815	649881	815	842360	810	926957
7	805	412126	805	650333	805	842660	800	927588
8	755	412389	755	650686	755	842970	750	928131
9	800	412513	800	651150	800	843270	755	928646
10	810	412768	810	651493	810	843570	805	929158
11	810	412963	810	651845	810	843820	805	929642
12	810	413182	810	652146	810	844170	805	930098
13	810	413401	810	652446	810	844470	805	930599
14	840	413612	840	652779	840	844770	835	931016
15	755	413820	755	653044	755	845080	750	931439
16	815	414039	815	653342	815	845380	810	931876
17	805	414273	805	653636	805	845680	800	932323
18	755	414501	755	653932	755	845980	750	932767
19	810	414741	810	654238	810	846280	805	933236
20	805	414967	805	654523	805	846590	800	933682
21	755	415215	755	654844	755	846890	750	934174
22	800	415499	800	655157	800	847190	755	934638
23	800	415670	800	655444	800	847490	755	935079
24	810	415841	810	655731	810	847790	805	935540
25	810	416111	810	656021	810	848100	805	935944
26	810	416345	810	656315	810	848400	805	936353
27	815	416544	815	656581	815	848700	810	936787
28	805	416728	805	656843	805	849000	800	937173
29	805	416941	805	657121	805	849300	800	937585
30	800	417145	800	657386	800	849610	755	937990
31	810	417359	810	657666	810	849910	805	938400

DAILY METER READINGS

MONTH

SEP

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	820	417551	820	657928	820	850210	815	938791
2	805	417751	805	658194	805	850510	800	939184
3	810	417858	810	658454	810	850820	805	939579
4	805	418144	805	658709	805	851120	800	939964
5	805	418356	805	658981	805	851420	800	940367
6	815	418560	815	659268	815	851730	810	940743
7	820	418744	820	659488	820	852020	815	941133
8	810	418928	810	659708	810	852310	805	941490
9	810	419112	810	659928	810	852600	805	941879
10	810	419298	810	660148	810	852890	805	942281
11	810	419508	810	660505	810	853230	805	942645
12	805	419695	805	660744	805	853530	800	943016
13	805	419879	805	660995	805	853830	800	943384
14	810	420086	810	661264	810	854130	805	943788
15	805	420279	805	661518	805	854440	800	944166
16	810	420490	810	661793	810	854740	805	944578
17	810	420703	810	662062	810	855040	805	944994
18	805	420894	805	662323	805	855340	800	945379
19	735	421042	735	662633	735	855640	725	945774
20	805	421243	805	662902	805	855950	800	946173
21	810	421444	810	663161	810	856250	815	946564
22	810	421645	810	663420	810	856550	805	946923
23	810	421846	810	663679	810	856850	805	947290
24	810	422005	810	663905	810	857150	805	947668
25	805	422196	805	664164	805	857450	800	948052
26	800	422411	800	664441	800	857750	755	948480
27	810	422615	810	664713	810	858060	805	948887
28	805	422817	805	664968	805	858360	800	949285
29	805	423013	805	665231	805	858660	800	949670
30	810	423193	810	665463	810	858960	805	950027
31								

DAILY METER READINGS

MONTH

OCT

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	423396	810	665729	810	859260	805	950413
2	830	423570	830	665965	830	859570	825	950778
3	805	423763	805	666218	805	859870	800	951142
4	815	423943	815	666456	815	860170	810	951507
5	810	423123	810	666694	810	860470	805	951893
6	810	423303	810	666932	810	860770	805	952216
7	810	424483	810	667170	810	861070	805	952534
8	805	424647	805	667386	805	861370	800	952892
9	805	424791	805	667666	805	861680	800	953249
10	805	424990	805	667923	805	861980	800	953644
11	810	425190	810	668162	810	862280	805	953989
12	810	425333	810	668384	810	862580	805	954335
13	810	425580	810	668629	810	862880	805	954689
14	810	425656	810	668820	810	863180	805	954971
15	805	425804	805	669021	805	863480	800	955263
16	810	425952	810	669225	810	863780	805	955561
17	810	426091	810	669405	810	864080	805	955835
18	810	426226	810	669594	810	864380	805	956107
19	810	426361	810	669783	810	864680	805	956394
20	805	426486	805	669958	805	864970	800	956630
21	810	426586	810	670088	810	865220	805	956856
22	810	426713	810	670265	810	865590	805	957088
23	820	426824	820	670434	820	865890	815	957309
24	820	426938	820	670584	820	866190	815	957537
25	815	427045	815	670732	815	866490	810	957754
26	815	427158	815	670882	815	866790	810	957973
27	810	427262	810	671030	810	867090	805	958180
28	810	427384	810	671186	810	867390	805	958412
29	830	427501	830	671341	830	867690	825	958641
30	815	427610	815	671498	815	867990	810	958861
31	805	427719	805	671655	805	868290	800	959072

DAILY METER READINGS

MONTH **Nov**YR **2012**

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	427830	810	671798	810	868590	805	959297
2	810	427941	810	671941	810	868890	805	959505
3	815	428061	815	672091	815	869190	810	959714
4	810	428181	810	672241	810	869490	805	959915
5	810	428209	810	672420	810	869790	805	960132
6	810	428312	810	672561	810	870090	805	960339
7	800	428418	800	672699	800	870390	805	960547
8	805	428523	805	672856	805	870690	800	960763
9	805	428626	805	673002	805	870990	800	960967
10	805	428700	805	673155	805	871290	800	961158
11	800	428792	800	673284	800	871590	750	961341
12	810	428837	810	673611	810	871890	805	961662
13	835	428898	835	673760	835	872190	830	961832
14	805	428973	805	673900	805	872490	800	962023
15	815	429024	815	674060	815	872790	810	962244
16	810	429124	810	674220	810	873090	805	962417
17	805	429224	805	674380	805	873390	800	962627
18	810	429324	810	674540	810	873690	805	962838
19	810	429452	810	674717	810	873990	805	963083
20	805	429557	805	674877	805	874290	800	963263
21	825	429639	825	674989	825	874580	820	963472
22	800	429748	800	675143	800	874880	750	963683
23	755	429851	755	675284	755	875180	750	963884
24	805	429952	805	675424	805	875480	800	964092
25	805	430059	805	675567	805	875780	800	964291
26	805	430173	805	675715	805	876070	800	964500
27	810	430267	810	675847	810	876370	805	964699
28	805	430362	805	675979	805	876670	800	964895
29	805	430469	805	676139	805	876970	800	965107
30	810	430576	810	676299	810	877270	805	965306
31								

DAILY METER READINGS

MONTH

DEC

YR

2012

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	930	480692	930	676453	930	877530	930	965557
2	810	430808	810	676607	810	877830	805	965740
3	810	430838	810	676856	810	881870	805	966042
4	805	430908	805	676952	805	882010	800	966175
5	815	430922	815	677212	815	882130	810	966398
6	800	431068	800	677440	800	882250	755	966718
7	805	431164	805	677582	805	882370	800	966924
8	750	431269	750	677729	750	882490	745	967137
9	800	431377	800	677870	800	882610	755	967337
10	800	431478	800	677998	800	882720	755	967540
11	745	431544	750	678083	750	882820	750	967679
12	800	431624	800	678328	800	883020	755	967957
13	810	431704	810	678573	810	883170	805	968159
14	810	431784	810	678818	810	883320	805	968379
15	810	431864	810	679003	810	883470	805	968567
16	810	431944	810	679108	810	883620	805	968759
17	810	432107	810	679183	810	883720	805	968987
18	810	432199	810	679210	810	883780	805	969186
19	810	432303	810	679343	810	883900	805	969401
20	805	432407	805	679483	805	884020	800	969612
21	755	432521	755	679634	755	884140	750	969814
22	805	432613	805	679760	805	884260	800	970016
23	800	432725	800	679900	800	884380	750	970233
24	810	432832	810	680033	810	884500	805	970442
25	755	432936	755	680189	755	884620	750	970653
26	805	433040	805	680320	805	884740	800	970855
27	800	433144	800	680451	800	884860	755	971080
28	800	433248	800	680582	800	884980	755	971281
29	810	433352	810	680713	810	885100	805	971487
30	810	433467	810	680853	810	885230	805	971692
31	810	433582	810	680993	810	885360	805	971910

DAILY METER READINGS

MONTH JAN

YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	433697	810	681133	810	885490	805	972121
2	815	433822	815	681283	815	885630	810	972322
3	825	433872	825	681488	825	885690	820	972551
4	800	433985	800	681694	800	885920	800	972800
5	8:40	434098	8:40	681840	8:40	885820	8:40	973067
6	800	434223	800	682001	800	886050	750	973290
7	805	434351	805	682159	805	886170	800	973539
8	805	434411	805	682364	805	886230	800	973781
9	755	434576	755	682467	755	886400	750	974003
10	755	434709	755	682644	755	886520	750	972268
11	810	434842	810	682821	810	886640	805	974571
12	810	434962	810	682977	810	886760	805	974800
13	810	435100	810	683155	810	886940	805	975069
14	810	435235	810	683319	810	887060	805	975333
15	820	435354	820	683511	820	887180	815	975610
16	830	435473	830	683703	830	887300	825	975906
17	815	435598	815	683842	815	887420	810	976102
18	845	435723	845	683981	845	887540	840	976357
19	800	435848	800	684120	800	887660	755	976561
20	810	435815	810	684357	810	887780	805	976721
21	810	435981	810	684558	810	887900	805	977053
22	810	436147	810	684759	810	888020	805	977367
23	810	436193	810	684968	810	888140	805	977582
24	810	436248	810	685183	810	888265	805	977809
25	810	436429	810	685279	810	888380	808	978050
26	805	436606	805	685580	805	888500	800	978401
27	810	436771	810	685715	810	888610	805	978723
28	755	436901	755	685889	755	888730	750	978995
29	810	437027	810	686081	810	888850	805	979270
30	820	437172	820	686283	820	889100	815	979573
31	820	437277	820	686485	820	889350	815	979851

DAILY METER READINGS

MONTH

Feb

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	815	437387	815	686690	815	889605	810	980127
2	810	437497	810	686895	810	889860	805	980380
3	810	437597	810	687090	810	889205	805	980645
4	900	437855	900	687147	900	889790	855	980920
5	815	437987	815	687323	815	889810	810	981171
6	810	438115	810	687494	810	889930	805	981430
7	805	438255	805	687677	805	890050	800	981714
8	810	438398	810	687856	810	890170	805	981986
9	805	438518	805	688030	805	890280	805	982229
10	805	438647	805	688190	805	890400	800	982481
11	800	438771	800	688349	800	890520	755	982734
12	815	438904	815	688529	815	890640	810	982986
13	815	439038	815	688690	815	890760	810	983252
14	810	439172	810	688851	810	890880	805	983506
15	810	439306	810	689012	810	891000	805	983769
16	810	439440	810	689173	810	891120	805	984023
17	805	439574	805	689334	805	891240	800	984286
18	800	439713	800	689520	800	891350	755	984536
19	820	439845	820	689710	820	891470	815	984816
20	815	439977	815	689876	815	891580	810	985075
21	820	440110	820	690052	820	891700	815	985339
22	805	440244	805	690225	805	891820	800	985602
23	805	440375	805	690401	805	891940	800	985868
24	810	440508	810	690567	810	892060	805	986135
25	815	440658	815	690762	815	892170	810	986413
26	810	440808	810	690987	810	892280	805	986680
27	835	440931	835	691152	835	892390	830	986935
28	815	441042	815	691263	815	892530	810	987188
29								
30								
31								

DAILY METER READINGS

MONTH March YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	441153	810	691374	810	892670	805	987446
2	755	441278	755	691499	755	892820	750	987201
3	810	441393	810	691614	810	892960	805	987977
4	810	441987	810	691953	810	893000	805	988247
5	810	441718	810	692123	810	893120	805	988502
6	825	441851	825	692296	825	893240	820	988767
7	808	441983	808	692476	808	893350	805	989032
8	810	442117	810	692647	810	893470	805	989273
9								
10	805	442372	805	692993	805	893700	805	989824
11	805	442509	805	693167	805	893820	800	990074
12	815	442642	815	693337	815	893940	810	990355
13	810	442782	810	693517	810	894060	805	990628
14	800	442914	800	693703	800	894180	755	990898
15	820	443054	820	693880	820	894290	810	991190
16	805	443194	805	694057	805	894400	800	991461
17	805	443354	805	694284	805	894530	800	991733
18	815	443466	815	694420	815	894650	810	992009
19	820	443594	820	694601	820	894760	815	992276
20	805	443731	805	694774	805	894880	800	992535
21	805	443864	805	694951	805	895000	800	992787
22	810	444000	810	695120	810	895110	805	993052
23	810	444124	810	695286	810	895230	805	993299
24	805	444266	805	695459	805	895350	800	993556
25	810	444403	810	695628	810	895470	805	993830
26	810	444458	810	695825	810	895580	805	994111
27	815	444696	815	696007	815	895700	810	994386
28	815	444826	815	696179	815	895820	810	994648
29	755	444946	755	696341	755	895930	750	994894
30	755	445106	755	696538	755	896060	750	995146
31	810	445230	810	696704	810	896180	805	995427

DAILY METER READINGS

MONTH

April

YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	445381	810	696876	810	896280	805	995699
2	810	445518	810	697061	810	896400	805	995964
3	805	445655	805	697232	805	896510	800	996240
4	805	445796	805	697419	805	896630	800	996514
5	810	445949	810	697615	810	896750	805	996808
6	810	446083	810	697795	810	896870	805	997067
7	800	446221	800	697968	800	896980	750	997324
8	820	446371	820	698156	820	897100	815	997611
9	805	446518	805	698344	805	897750	800	997917
10	810	446689	810	698562	810	897870	805	998248
11	805	446860	805	698780	805	897990	800	998500
12	810	447031	810	698998	810	898110	805	998791
13	805	447202	805	699216	805	898230	800	999093
14	810	447290	810	699324	810	898330	805	999395
15	810	447378	810	699432	810	898430	805	999692
16	800	447562	800	699700	800	898560	755	999959
17	810	447698	810	699876	810	898680	805	1000224
18	810	447704	810	700172	810	898800	805	1000481
19	800	447704	800	700586	800	898910	755	1000816
20	750	447704	750	700921	750	899030	745	1001109
21	800	447704	800	701245	800	899150	755	1001386
22	810	447704	810	701617	810	899260	805	1001691
23	810	447704	810	701956	810	899380	805	1001984
24	810	447704	810	702295	810	899500	805	1002300
25	755	447704	755	702634	755	899620	750	1002670
26	815	447704	815	702973	815	899740	810	1003018
27	810	447704	810	703312	810	899860	805	1003364
28	800	447704	800	703651	800	899980	755	1003698
29	815	447704	815	704374	815	900070	810	1004045
30	805	447704	805	704741	805	900190	800	1004355
31								

DAILY METER READINGS

MONTH MAY

YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	815	447704	815	705090	815	900310	810	1004655
2	805	447704	805	705476	805	900420	800	1004960
3	810	447704	810	705910	810	900540	805	1005330
4	800	447704	800	706293	800	900660	755	1005654
5	800	447704	800	706659	800	900770	755	1005986
6	805	447704	805	707069	800	900890	800	1006340
7	805	447704	805	707479	805	901000	800	1006694
8	800	447704	800	707886	800	901120	755	1007027
9	755	447704	755	708286	755	901240	750	1007394
10	810	447704	810	708669	810	901360	805	1007770
11	810	447704	810	709121	810	901470	805	1008129
12	810	447704	810	709531	810	901580	805	1008415
13	800	447704	800	710031	800	901790	755	1008901
14	915	447704	915	710489	915	901810	910	1009320
15	800	447704	800	710864	800	901920	755	1009656
16	805	447704	805	711328	805	902040	800	1010066
17	805	447704	805	711893	805	902150	800	1010553
18	805	447704	805	712259	805	902270	755	1010877
19	800	447704	800	712618	800	902380	750	1011184
20	805	447704	805	713039	805	902500	800	1011540
21	815	447704	815	713527	815	902610	800	1011971
22	820	447704	820	713959	820	902730	815	1012358
23	820	447704	820	714337	820	902840	815	1012674
24	815	447704	815	714797	815	902950	825	1013078
25	845	447704	845	715225	845	903070	850	1013468
26	850	447704	850	715679	850	903200	845	1013850
27	835	447704	835	716080	835	903300	830	1014219
28	840	447704	840	716504	840	903410	835	1014582
29	805	447704	805	716856	805	903530	800	1014886
30	815	447704	815	717168	815	903640	810	1015165
31	810	447704	810	717576	810	903760	805	1015504

DAILY METER READINGS

MONTH

June

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	805	447704	805	717942	805	903870	800	1015829
2	800	447704	805	718358	805	903980	800	1016196
3	800	447704	805	718785	805	904100	800	1016564
4	810	447704	810	719211	810	904210	805	1016947
5	810	447704	810	719637	810	904320	805	1017332
6	810	447704	810	719963	810	904430	805	1017658
7	810	447704	810	720323	810	904550	805	1018048
8	810	447704	810	720904	810	904670	805	1018417
9	810	447704	810	721489	810	904790	805	1018809
10	810	447704	810	721832	810	904900	805	1019232
11	805	447704	805	722275	805	905010	800	1019628
12	805	447704	805	722696	805	905130	800	1019985
13	805	447704	805	723092	805	905240	800	1020341
14	805	447704	810	723481	810	905350	805	1020667
15	805	447704	805	723862	805	905470	800	1021002
16	805	447704	810	724274	810	905580	805	1021365
17	810	447704	815	724938	815	905790	810	1021751
18	805	447704	805	725145	805	905810	800	1022115
19	810	447704	810	725541	810	905880	805	1022464
20	810	447811	810	725741	810	906000	805	1022725
21	805	448005	805	725977	805	906130	800	1023090
22	810	448205	810	726217	810	906270	805	1023375
23	820	448312	820	726417	820	906390	815	1023711
24	810	448501	810	726601	810	906460	805	1024076
25	800	448659	800	726811	800	906570	755	1024383
26	810	448799	810	727003	810	906680	805	1024676
27	810	448962	810	727172	810	906800	805	1024980
28	800	449153	800	727428	800	906910	750	1025356
29	810	449333	810	727667	810	907070	805	1025727
30	810	449514	810	727891	810	907180	805	1026081
31								

DAILY METER READINGS

MONTH

July

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	449693	810	728167	810	907290	805	1026421
2	810	449911	810	728365	810	907370	805	1026849
3	805	450166	805	728657	805	907480	800	1027311
4	830	450409	830	728949	830	907590	825	1027705
5	810	450609	810	729149	810	907690	805	1028085
6	810	450809	810	729349	810	907790	805	1028385
7	810	451009	810	729549	810	907890	805	1028855
8	815	451131	815	729859	815	908090	810	1029220
9	805	451321	805	730105	805	908200	803	1029613
10	805	451530	805	730359	805	908310	800	1029998
11	810	451718	810	730593	810	908430	805	1030392
12	815	451932	815	730853	815	908540	810	1030868
13	810	452120	810	731090	810	908660	805	1031328
14	805	452308	805	731327	805	908780	800	1031766
15	805	452554	805	731614	805	908880	800	1032285
16	810	452783	810	731874	810	909910	805	1032788
17	810	453020	810	732155	810	910270	805	1033299
18	810	453257	810	732436	810	910630	805	1033768
19	810	453457	810	732636	810	910730	805	1034290
20	810	453679	810	732957	810	910840	805	1034794
21	810	453899	810	733247	810	910950	805	1035352
22	815	454136	815	733528	815	911070	810	1035831
23	805	454348	805	733789	805	911180	800	1036275
24	805	454551	805	734036	805	911290	800	1036761
25	810	454744	810	734285	805	911400	805	1037228
26	900	455003	900	734591	900	911520	855	1037797
27	925	455085	925	735193	925	911690	920	1038102
28	905	455257	905	735288	905	911780	900	1038724
29	830	455479	830	735555	830	911810	825	1039220
30	820	455701	820	735822	820	912000	815	1039676
31	810	455860	810	736034	810	912120	805	1040155

DAILY METER READINGS

MONTH

Aug

YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	725	456019	725	736246	725	912240	720	1040588
2	810	456070	810	736661	810	912570	805	1041040
3	805	456070	805	737076	805	912900	800	1041496
4	810	456070	810	737466	810	913210	805	1041986
5	810	456070	810	737866	810	913510	805	1042465
6	815	456070	815	738398	815	913510	810	1042910
7	810	456070	810	738806	810	913630	805	1043358
8	805	456070	805	739219	805	913730	800	1043815
9	810	456070	810	739670	810	913850	805	1044245
10	800	456070	800	740085	800	913960	755	1044594
11	810	456070	810	740521	810	914080	805	1044962
12	810	456070	810	740979	810	914190	805	1045371
13	800	456070	800	741377	800	914300	755	1045705
14	755	456070	755	741820	755	914410	750	1046087
15	805	456070	805	742263	805	914520	800	1046416
16	805	456070	805	742693	805	914630	800	1046784
17	805	456070	805	743035	805	914750	800	1047114
18	810	456070	810	743377	810	914870	805	1047481
19	815	456070	815	743900	815	915230	810	1047865
20	805	456070	805	744246	805	915360	800	1048190
21	805	456070	805	744720	805	915450	800	1048566
22	800	456070	800	745210	800	915540	755	1048895
23	805	456070	805	745544	805	915680	800	1049271
24	805	456070	805	745966	805	917000	800	314
25	805	456070	805	746368	805	917450	800	671
26	805	456070	805	746778	805	917520	800	1021
27	800	456070	800	747188	800	917590	755	1345
28	800	456070	800	747588	800	919600	755	1217
29	800	456070	800	747980	800	920200	755	2041
30	810	456070	810	748393	810	920270	805	2407
31	810	456070	810	748793	810	920340	805	2739

RSC/TPA

DAILY METER READINGS

MONTH

Sept

YR 2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	456070	810	749183	810	920410	805	3074
2	810	456070	810	749619	810	921100	805	3426
3	810	456070	810	750005	810	921370	805	3767
4	815	456070	815	750334	815	921580	810	4058
5	810	456070	810	750666	810	921840	805	4339
6	805	456070	805	750975	805	922180	800	4600
7	800	456070	800	751315	800	922280	0745	4878
8	800	456070	800	751660	800	930620	0745	5176
9	810	456070	810	752072	810	931270	805	5521
10	810	456070	810	752419	810	932450	805	5827
11	655	456070	655	752775	655	933470	650	6120
12	810	456070	810	753158	810	934120	805	6453
13	810	456070	810	753458	810	934670	805	6734
14	810	456070	810	753800	810	935430	805	6996
15	805	456070	805	754121	805	936080	800	7264
16	815	456070	815	754471	815	936800	810	7561
17	805	456070	805	754832	805	937390	800	7869
18	805	456197	805	755045	805	938040	800	8140
19	810	456320	810	755211	810	938690	805	8387
20	810	456466	810	755397	810	939350	805	8666
21	755	456598	755	755574	755	940000	750	8924
22	805	456748	805	755756	805	940650	800	9210
23	805	456898	805	755948	805	941310	800	9497
24	815	457038	815	756142	815	941960	810	9786
25	800	457190	800	756329	800	942610	755	10074
26	805	457304	805	756484	805	943270	800	10301
27	810	457418	810	756639	810	943930	805	10554
28	805	457545	805	756799	805	944570	800	10771
29	805	457672	805	756959	805	945210	800	11046
30	825	457799	825	757119	825	945810	820	11311
31								

DAILY METER READINGS

MONTH

Oct

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	830	457860	830	757211	830	946530	835	11386
2	830	458094	830	757485	830	947180	825	11827
3	815	458219	815	757653	815	947830	810	12071
4	810	458351	810	757822	810	948480	805	12321
5	805	458484	805	757990	805	949130	800	12558
6	810	458615	810	758156	810	949780	805	12824
7	810	458747	810	758322	810	950430	805	13065
8	810	458873	810	758486	810	951090	805	13324
9	815	459017	815	758671	815	951740	810	13592
10	815	459131	815	758828	815	952400	810	13830
11	800	459245	800	758985	800	953060	755	14096
12	800	459365	800	759145	800	953710	755	14375
13	805	459485	805	759305	805	954360	800	14588
14	755	459599	755	759462	755	954980	750	14837
15	805	459776	805	759673	805	955650	800	15097
16	825	459913	825	759850	825	956300	820	15354
17	820	460011	820	760017	820	956950	816	15587
18	800	460131	800	760169	800	957600	810	15814
19	805	460252	800	760332	800	958250	805	16058
20	815	460374	810	760490	810	958900	810	16095
21	810	460495	810	760649	810	959550	815	16527
22	840	460635	840	760835	840	960200	835	16860
23	900	460766	900	761002	900	960850	855	17054
24	810	460887	810	761165	810	961500	805	17291
25	810	461009	810	761323	810	962150	805	17511
26	810	461109	810	761458	810	962890	805	17786
27	810	461249	810	761611	810	963530	805	17970
28	810	461344	810	761754	810	964100	805	18188
29	815	461449	815	761904	815	964750	810	18396
30	820	461558	820	762047	820	965390	815	18606
31	817	461650	817	762171	817	966040	815	18790

DAILY METER READINGS

MONTH

NOV

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	461752	810	762303	810	966690	800	18989
2	805	461855	805	762443	805	967340	800	19188
3	815	461965	815	762584	815	968950	810	19396
4	805	462054	805	762690	805	970710	810	19562
5	810	462182	810	762852	810	972460	805	19808
6	810	462293	810	762986	810	974210	805	20018
7	810	462405	810	763125	810	975970	805	20226
8	810	462517	810	763264	810	976670	805	20435
9	810	462629	810	763403	810	977370	805	20625
10	810	462729	810	763535	810	981240	805	20838
11	810	462845	810	763678	810	982900	805	21040
12	810	462961	810	763821	810	983560	805	21254
13	820	463061	820	763941	820	986560	815	21462
14	830	463173	830	764086	830	988310	835	21680
15	805	463276	805	764213	805	990070	800	21869
16	805	463387	805	764355	805	991820	800	22084
17	805	463496	805	764489	805	993630	800	22281
18	845	463610	845	764625	845	995380	840	22497
19	830	463705	830	764763	830	997030	835	22690
20	815	463816	815	764898	815	998840	810	22901
21	815	463913	815	765020	815	1000530	810	23089
22	805	464015	805	765171	805	1002270	810	23299
23	800	464113	800	765315	800	1002040	805	23498
24	835	464221	835	765443	835	1005760	830	23697
25	120	464365	120	765623	120	1008360	120	23973
26	810	464440	810	765715	810	1009260	805	24112
27	815	464556	815	765858	815	1010990	820	24325
28	755	464667	755	766002	755	1012730	750	24526
29	800	464779	800	766141	800	1014490	755	24751
30	805	464885	805	766277	805	1016240	800	24950
31								

DAILY METER READINGS

MONTH

DEC

YR

2013

Infiltration Gallery/gal			SNRPS/gal		Back Wash/ft3		Distribution Pumps/gal	
Date	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read	Time	Daily Meter Read
1	810	465008	810	766425	810	1017980	805	25172
2	810	465134	810	766567	810	1019710	805	25397
3	815	465249	815	766708	815	102460	810	25619
4	815	465364	815	766855	815	1023200	820	25845
5	815	465478	815	766997	815	1024950	820	26056
6	815	465592	815	767132	815	1026630	820	26267
7	910	465708	910	767275	910	1028430	905	26485
8	855	465815	855	767415	855	1030180	850	26691
9	930	465948	930	767565	930	1031920	920	26932
10	810	466078	810	767727	810	1033610	815	27180
11	820	466207	820	767885	820	1035360	825	27426
12	833	466340	834	768066	834	1037090	830	27692
13	820	466471	820	768229	820	1038830	815	27938
14	815	466597	815	768408	815	1040580	810	28193
15	810	466725	810	768593	810	1042330	805	28457
16	815	466961	815	768878	815	1044060	820	28919
17	805	467071	805	769081	805	1045800	800	29183
18	830	467197	830	769247	830	1047540	835	29426
19	830	467323	830	769406	830	1047800	835	29669
20	810	467452	810	769556	810	1051020	815	29901
21	800	467593	800	769717	800	1052770	805	30136
22	755	467699	755	769872	755	1054520	750	30376
23	825	467825	825	770023	825	1056260	820	30614
24	825	467940	825	770180	825	1058000	830	30849
25	11:46	468089	1140	770369	1140	10604600	1130	31123
26	825	468191	825	770486	825	1061470	830	31311
27	810	468324	810	770638	810	1063200	805	31648
28	810	468447	810	770808	810	1064940	805	31792
29	810	468568	810	770950	810	1066710	805	32013
30	755	468686	755	771093	755	1068400	800	32242
31	810	468796	810	771242	810	1070130	815	32463

Hemenway, Sandy

From: Jeff Cook [jeffcook@rtci.net]
Sent: Monday, April 14, 2014 3:32 PM
To: Hemenway, Sandy
Subject: glens ferry pumping

Sandy,

With the way our Treatment Plant is set up the Snake River is our primary source. The pumps in the river start to run when the plant is asking for 400gpm and then at 800gpm it will split the demand between the river and the springs. The Plant is designed for 1mgd of production using the 2 sources.
Jeff

Hemenway, Sandy

From: Jeff Cook [jeffcook@rtci.net]
Sent: Monday, April 14, 2014 3:42 PM
To: Hemenway, Sandy
Subject: flow records
Attachments: 2011 pump log.PDF

Sandy,
here is 1 of 3
Just in case

Hemenway, Sandy

From: Jeff Cook [jeffcook@rtci.net]
Sent: Monday, April 14, 2014 3:44 PM
To: Hemenway, Sandy
Subject: pumping records
Attachments: 2012 pump log.PDF

2 of 3

Hemenway, Sandy

From: Jeff Cook [jeffcook@rtci.net]
Sent: Monday, April 14, 2014 3:45 PM
To: Hemenway, Sandy
Subject: pumping records
Attachments: 2013 pump log.PDF

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