

WATERMASTER REQUIREMENT SHEET

WATER DISTRICT: 635

2015

Date/Time of Meeting: March 12, 2015 @ 1:30 pm - next years 3/3/16 1:30pm

Place of Meeting: Quail Hollow Golf Course Club house

| | |
|--|---|
| <u>Watermaster</u> Name: <u>Ken Neely</u> Address: Phone: | <u>Assistant Watermaster</u> Name: Address: Phone: |
| <u>Secretary/Treasurer</u> Name: <u>Scott McGeachin</u> Address: Phone: | <u>Chairman</u> Name: Address: Phone: |

Sent

- ☐ Certificate of Appointment
 - ☐ Watermaster
 - ☐ Assistant Watermaster
 - ☐ Secretary/Treasurer
- ☐ Daily Record books and instructions

Received

- ☒ Annual Meeting Minutes
- ☐ Adopted Budget
- ☒ Oath(s)
 - ☐ Watermaster
 - ☐ Assistant Watermaster
 - ☐ Secretary/Treasurer
- ☒ Watermaster Report 2014
- ☐ Daily Record Books

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Minutes from the Annual Meeting of State Water District 63-S on March 12, 2015

Quail Hollow Golf Course Club House -Board Room downstairs

Present:

Joe Terteling, Flinda Terteling, Ed Squires, Charles Honsinger, Ken Neely, Danie Merriman, Garnette Edwards, Erin Monnie, Kim Trainor, Scott McGeachin, Norm Young, Rose Ryan and Mary Ryan

Minutes:

Meeting called to order at 1:32 by Chairman Joe Terteling.

First order of business was Elections of Officers for the period March 12, 2015 thru March 3, 2016.

Nominations were presented, the following positions voted on and unanimously approved:

Chairperson—Garnette Edwards

Watermaster—Ken Neely

Secretary—Mary Ryan & Rose Ryan

Treasurer—Scott McGeachin

Chairperson Garnette Edwards asked Mary Ryan to read last years minutes. Minutes of the March 2014 meeting were read and approved.

Treasurer's Report:

Scott McGeachin reported that after paying Ken Neely's watermaster bill of \$380.46 there is \$267.78 currently in the checking account. Garnette explained the billing process. Member are billed in March and the checking account needs to have a balance of \$150.00 in the account. Using IDWR rules Scott nominated Ken Neely to remain as water master, Mary Ryan seconds and the motion carries after a unanimous vote. Joe Terteling moves that the District act according to IDWR rules with respect to voting.

Watermaster's Report/Budget:

Watermaster Ken Neely presented his bill for compensation of Watermaster duties from March 1, 2014 to February 28, 2015. The bill is \$193.77 for 2014 monitoring. Ken reported that Low-Temperature ground water usage for the 2014 water year was the lowest volume recorded in the District since 2002. The Tiegs and Edwards wells have recovered and Quail Hollow upper well is stable. Ed Squires inquired about the "extra" water measurement scheduled in 2014? Ken allowed that he had forgotten to take that measurement. Ken said he will check the Niznick well in February. Charlie Honsinger inquired whether Niznik is now in the Water District as voted on last year? After some discussion, IDWR was tasked to notice Niznik for next year. When e-mail notices are sent out after the first of the year we will include him in the notifications

Old Business:

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The committee on a proposed Area of Drilling Concern designation for the District was brought up as old business. Ed Squires volunteered that the City of Meridian was currently pursuing an ADC for I's Area of Impact and that IDWR was working through the details with the City. Ed suggested that the District take a wait-and-see approach, capitalizing on the efforts of Meridian, before spending the time and effort to designate the State Water District 63-S as an ADC.

Ed Squires is the Consulting Hydrogeologist for Meridian on it's scientific studies supporting the ADC and will also be handling the outreach portion of that proposal, so Ed will keep the District notified of important decisions.

Mary Ryan reported that she filled out the necessary forms to comply with the new Idaho Code 67-450E. This code requires water districts to register with the Idaho Legislative Services Office Registry Portal for tax reasons.

Ed Squires reported that Terteling had drilled, constructed, developed, and equipped its final cold water irrigation well requested in its water right transfer application to IDWR. This second new well was pumped tested and found to have a sustainable yield of 1,000 gallons per minute (~2cfs). Ed indicated that by successfully completing another high-yield cold water irrigation well, Terteling further reduced the possibility it would need to resume using low-temperature geothermal ground water for irrigation; a positive result for the District.

Next meeting is set for 1:30 p.m. on Thursday, March 3, 2016 at the Quail Hollow Golf Course clubhouse in the downstairs conference room.

Motion to adjourn made by Mary and seconded by Joe. Meeting adjourned 2:10 p.m.

Respectfully submitted—Mary Ryan & Rose Ryan, District Secretary

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Watermaster's Report

Ground Water District 63-S (Stewart Gulch)

March 1, 2014 to March 1, 2015

Withdrawals

The total withdrawal of low temperature geothermal water in GWD63-S in WY14 was 167 mgal (Figure 1). This amount is 28 mgal less than the withdrawal in WY13, which is a 14.5% decrease. This decrease is mainly attributable to a significant reduction in withdrawals at the Quail Hollow Golf Course in WY14. Edwards Greenhouse also had a significant decrease in withdrawals, but the two nearby TTCI wells had a combined increase in withdrawals that exceeded the Edwards decreases by 4.3 mgal (Table 1).

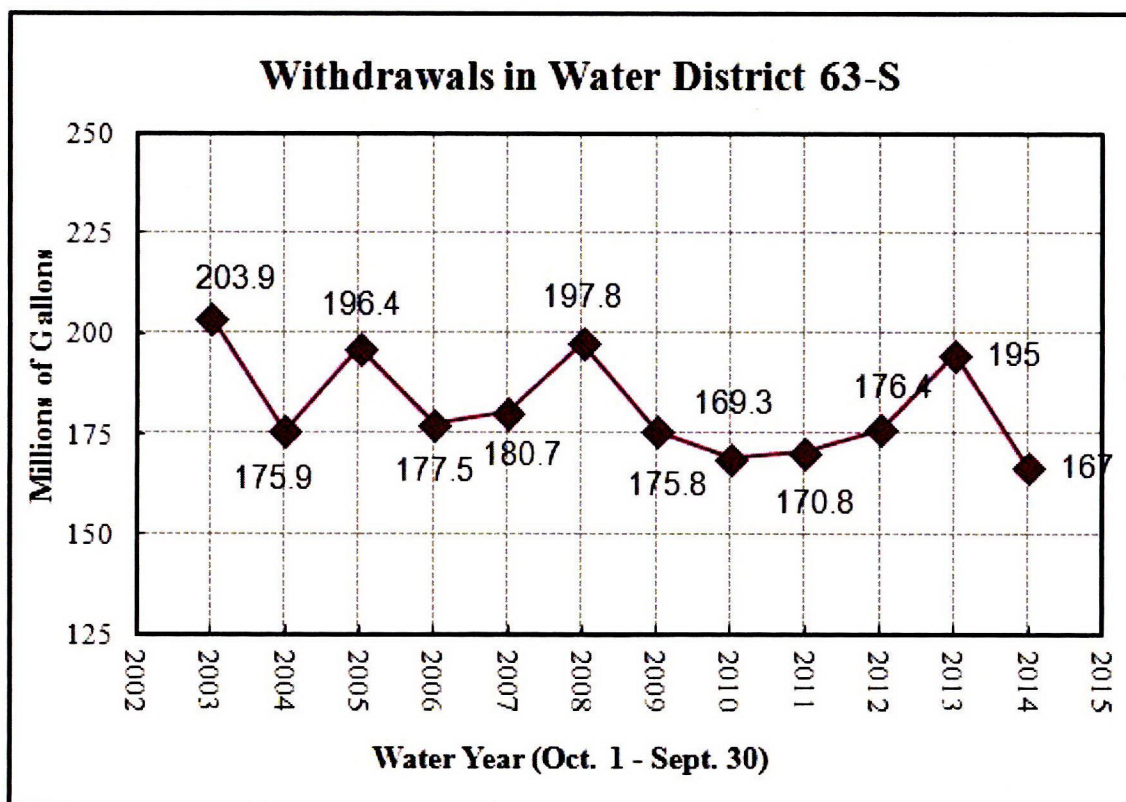


Figure 1. Low-temperature geothermal ground water withdrawals in Ground Water District 63-S for Water Years 2003-2014.

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Table 1. Withdrawals¹ from Stewart Gulch Ground Water District 63-S geothermal wells for Water Year 2014 (October 1, 2013 through September 30, 2014).

| Well | Withdrawals in WY14 (millions of gallons) | Change from WY13 (millions of gallons) | Percent Change from WY13 |
|------------------------------|--|---|--------------------------|
| TTCI Tiegs (Triangle) | 0 | 0 | 0 |
| TTCI Silkey (Shed) | 19.8 | +11.1 | +126% |
| TTCI House (Office) | 3.4 | +2.9 | +570% |
| Edwards Greenhouse | 48.3 | -9.7 | -17% |
| Terteling Ranch Windsock | 65.5 | +3.5 | +6% |
| Terteling Ranch Pool | 21.0 | +2.5 | +3% |
| Quail Hollow (Tee Ltd) Upper | 1.2 | -7.7 | -87% |
| Quail Hollow (Nibbler) Lower | 1.9 | -30.4 | -94% |
| Whitehead | 5.8 | -0.1 | -1% |
| Total | 167 | -28 | -14.5% |

¹These numbers contain some degree of uncertainty which is typically associated with measurement equipment and methods. Therefore, the amounts are being reported in millions with one decimal place.

The ownerships and locations of the wells allow them to be grouped into four individual withdrawal centers, which is a useful approach for summarizing the withdrawals in these localized areas within the District. Table 2 shows the four centers and the changes in withdrawals from WY13 to WY14

Table 2. Four withdrawal centers in GWD63-S and changes from WY13 to WY14.

| Withdrawal Center | Number of Wells | Numerical change from WY13 to WY14 | Percentage change from WY13 to WY14 |
|--|---------------------------|------------------------------------|-------------------------------------|
| Edwards Greenhouse and Terteling Garden Center | 4 (3 in use; 1 unused) | +4.3 mgal | +7% |
| Quail Hollow | 2 | -38.1 mgal | -92% |
| Terteling Ranch | 2 | +5.9 mgal | +7% |

Water Levels

Four wells are currently monitored for water levels by their owners: Tiegs, Edwards, Quail Hollow Lower, and Quail Hollow Upper. The Silkey well is used as a backup for the Tiegs well in the event that the transducer in the Tiegs wells should fail. Additionally, the Water Master conducted water level measurements at all nine wells listed in Table 1 in October, 2014.

Overall, ground water levels in GWD63-S wells showed a decreasing trend in WY14 until April 2014, followed by an increasing trend. The minimum values declined in all four wells with declines ranging from 5.4 feet to 6.9 feet. The maximum values increased in three of the four wells, and decreased in one well.

The water level in the TTCI Tiegs well at the beginning of WY2014 (early October 2013) was about six feet lower than the water level in early October 2012. This was due to higher than normal pumping at Quail Hollow in the summer and fall of 2013. Consequently, the Tiegs well had a minimum water level value in January 2014 that was 6.1 feet lower than the minimum reading in January 2013 (Figure 2). The Tiegs well had an increase in the maximum water level of 2.7 feet, based on June readings in 2013 and 2014.

The minimum water level for the Edwards wells, which occurs annually in the December – February period, declined 6.9 feet from January 2013 to February 2014. The current trend indicates the minimum value in early 2015 will be similar to 2014. The Edwards well had an increase in the maximum water level of 2.3 feet from June 2013 to June 2014 (Figure 3). Water levels stayed at approximately the same level from early May to mid October. This pattern is different from previous years when the maximum levels peaked in June and began declining immediately.

The maximum water levels in the Quail Hollow (QH) wells were different from each other. The QH Lower well declined 1.3 feet, but the QH Upper well increased 4.3 feet (Figures 4 and 5). The minimum levels for the Lower and Upper wells declined 5.4 feet and 5.8 feet, respectively, from January 2013 to January 2014.

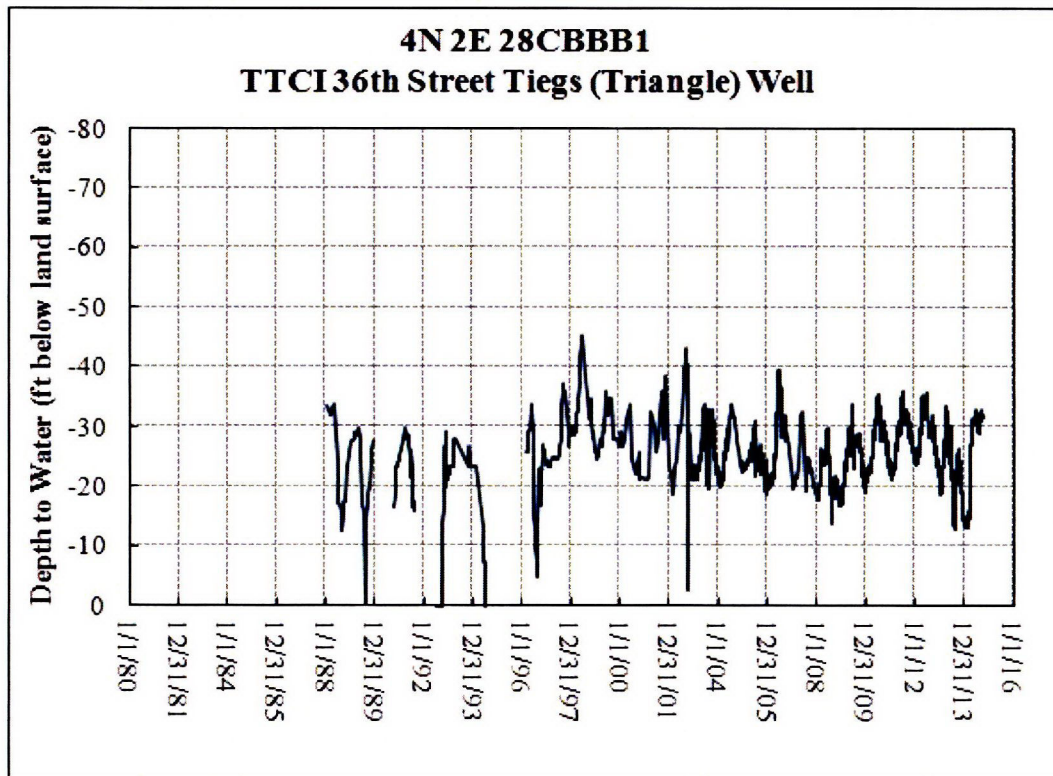


Figure 2. Water level hydrograph for the TTCI 36th Street Tiegs (Triangle) well.

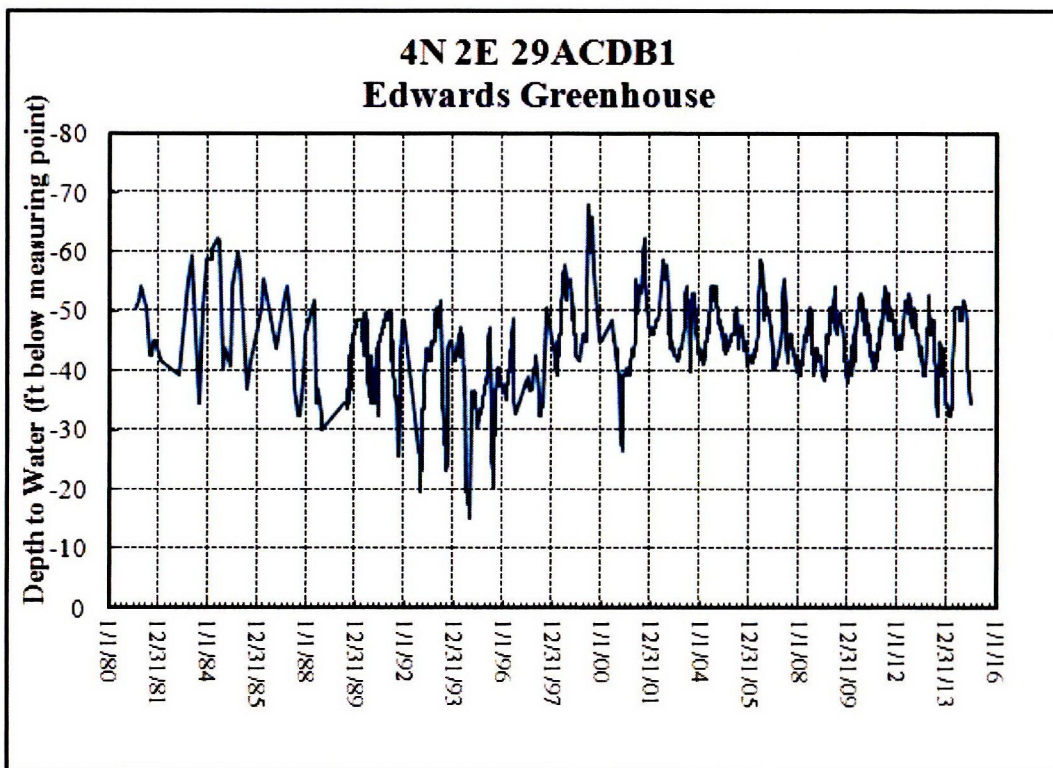


Figure 3. Water level hydrograph for the Edwards Greenhouse well.

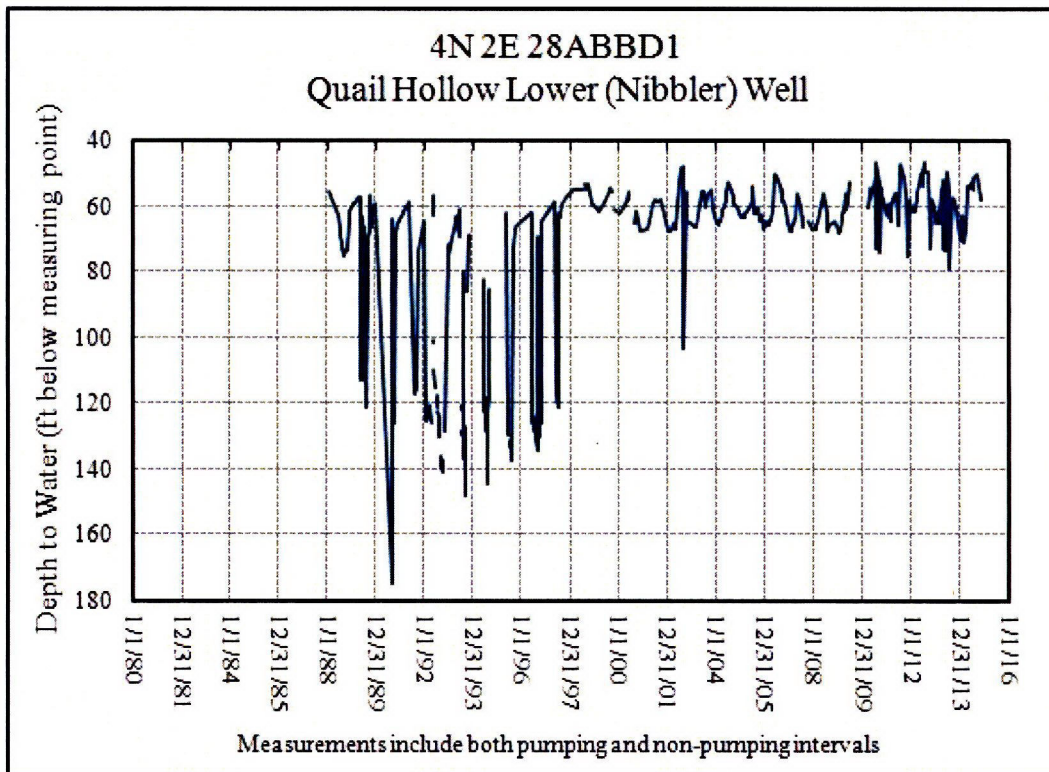


Figure 4. Water level hydrograph for the Quail Hollow Nibbler (Lower) well.

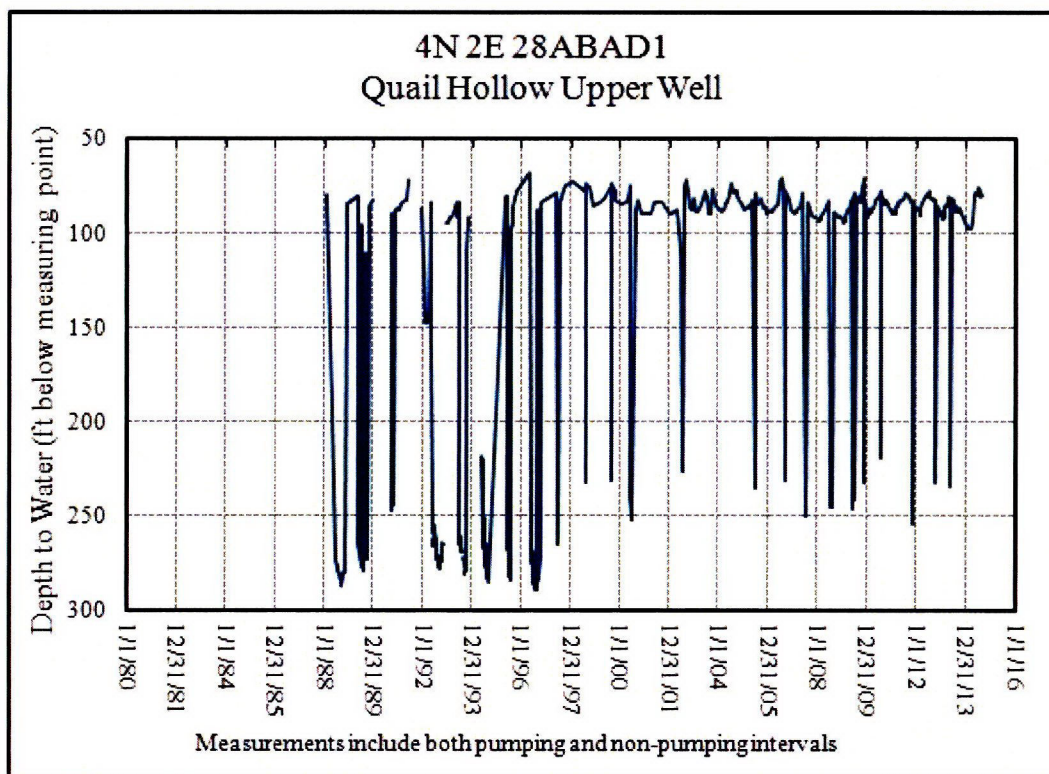


Figure 5. Water level hydrograph for the Quail Hollow Tee Ltd (Upper) well.

Watermaster Expenses

The Watermaster worked 3.5 hours in the time period from March 1, 2014 to February 28, 2015. The billing for these services is as follows:

| | | |
|----------|----|-------|
| Salary | \$ | 99.16 |
| Fringe | \$ | 38.95 |
| Supplies | \$ | 0.00 |
| Indirect | \$ | 55.66 |

Total \$ 193.77

Table 3 is the assessment for the Watermaster's expenses for Ground Water District 63-S for March 1, 2014 through February 28, 2015.

Table 3. Assessment for Watermaster's expenses for Water District 63S for March 1, 2014 through February 28, 2015.

| Owner | Name | Percentage ¹ | Assessment ² |
|--------------------------|--------------------|-------------------------|-------------------------|
| Terteling Company | Flora Tiegs | 0.000 | \$0.00 |
| Terteling Company | Flora Silkey | 20.723 | \$40.15 |
| Terteling Company | Flora House | 1.566 | \$3.03 |
| Edwards Greenhouses | Edwards | 22.864 | \$44.30 |
| Terteling Company | Terteling Windsock | 36.147 | \$70.04 |
| Terteling Company | Terteling Pool | 9.714 | \$18.82 |
| Quail Hollow Golf Course | Quail Hollow Upper | 6.562 | \$12.72 |
| Quail Hollow Golf Course | Quail Hollow Lower | 2.444 | \$4.74 |
| Rose and Mary Ryan | Ryan | - | \$10.00 |
| David Niznik | Whitehead | - | - |
| | Total | 100 | \$203.80 |

¹Percentages as determined at the 2004 Annual Meeting.

²Based on percentages in Column 3 times the Watermaster's Fees for this time period (\$193.77).

Respectfully submitted,

Kenneth Neely

Kenneth Neely
Watermaster for Ground Water District 63-S

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JUN 15 2015



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 9, 2015

KENNETH W. NEELY
322 EAST FRONT STREET
PO BOX 83720

RE: Information Request – Water District 63S

Dear Watermaster:

The Department has not yet received the following information from your Water District. The referenced forms have been enclosed for your convenience.

- Adopted Water budget for 2015 (Watermaster's Proposed Budget form enclosed).
- Watermaster report for 2014 (Watermaster's Report form enclosed).
- Minutes from the 2015 annual Water District meeting.
- Treasurer Oath for 2015 (if different than the 2014 Treasurer). The Oath should be signed and notarized (Official Oath form enclosed).

Please submit the requested information as soon as possible. Feel free to contact me at 208-334-2190 if you have any questions or need assistance during the irrigation season.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rachel Neely', is written over a long, horizontal, slightly wavy line that serves as a baseline for the signature.

Rachel Neely
Administrative Assistant 1

Enclosure

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