



MEETING LOCATION:
WEST RIVER ELECTRIC
3250 SD HWY 44
Rapid City, SD 57703

AGENDA (Revised)
Tuesday, December 13, 2016
6 p.m.

- 1. Pledge of Allegiance (Chair)**
- 2. Invocation (You are welcome to participate, but not required) (Deurloo)**
- 3. Roll Call of Members (Secretary)**
- 4. Approval of Agenda (Chair)** *The board cannot take official action on any item(s) not on the agenda.*
- 5. Approval of Previous Meetings Minutes (Chair)**
 - October 11, 2016
- 6. Treasurer's Report (Richer)**
 - A. Bills paid
 - B. Approval of payment of bills
 - i. 2017 South Dakota Association of Rural Water Systems dues (\$500)
 - C. Adding Leon to the Bank Account effective January 1, 2017
 - D. Audit
 - E. Closing second savings account 2816 and transferring to 2136 (due to dormancy laws/notice)
- 7. Tom Vollmer - OSWWT Grant Applicant (Koch/Admin)**
- 8. Hidden Valley Water Association Presentation (Mueller)**
- 9. Sheridan Lake Highland HOA Request for Funds (Richer/Moss)**
 - A. \$2,000 for an engineering study (State contributing \$8,000)
 - B. \$20,000 to assist with a down payment
- 10. Canyon Lake Dredging Project Update (continued)**
- 11. Rapid Creek DNA Testing Update (continued)**
- 12. Black Hills Concerned Citizens - Croell's Ready Mix Update (Mueller)**

13. George Ferebee – County Ordinances (Weaver)

14. Chairman's Comments

15. Items from Directors

- A. River Basin Natural Resource Districts Legislation (Richer)
- B. Blue Badge for 2017 Legislative Session

16. Items from Administration

- A. Vacancies in Area 6 and Area 8

17. Items from the Public

18. Adjournment



Draft Minutes for **October 11, 2016**

An audio recording was not made for this meeting.

CALL TO ORDER: The West Dakota Water Development District convened for its regular board meeting at West River Electric, 3250 SD Hwy. 44 Rapid City, SD. Chairperson Mueller called the meeting to order at 6:06 pm by leading the Pledge of Allegiance. Director Weaver gave an opening prayer. Directors present: Kenn Moss (District 1), Dan Richer (District 2), Mike Mueller (District 3), Lavern Koch (District 4), Robert Akers (District 5), Tonchi Weaver (District 6), Ken Steinken (District 7), Sandra Beshara (District 8).

Director(s) absent: Jeannette Deurloo (District 9). A quorum was declared.

Employees present: Emily Martinez (Administrative Manager).

Others in attendance: Don Burger, Black Hills Concerned Citizens; Nathan Gjovik; Future Director; Umit Yildiz, South Dakota School of Mining & Technology (SDSMT); Andrew Clift, SDSMT; Lisa Kunza, SDSMT; Barry Muxen, Clean Water Alliance; David Bender, USGS; Linda DeVeaux, SDSMT; Kelsey Murray, SDSMT; Galen Hoogestraat, USGS; Denise Livingston, Youth in Science; Foster Sawyer, Citizen; Scott Licht, Hisega Meadows Water; Bill Eldridge, Citizen; Sandi Moss, Citizen.

APPROVAL OF AGENDA – Moved by Moss and seconded by Weaver to approve the agenda. Motion passed unanimously.

APPROVAL OF PREVIOUS MEETING MINUTES – Moved by Richer and seconded by Moss to approve minutes from the August 16, 2016 meeting. Motion passed unanimously.

TREASURERS REPORT

Treasurer Richer reported that WDWDD received word from SDSMT that two invoices totaling \$34,189.75 for the WDWDD grant supporting the Crystalline Aquifer Study directed by Dr. Alvis Lisenbee of SDSMT had not been paid. The delay in payment was caused by SDSMT server issues that resulted in the WDWDD never receiving the invoices. Richer asked for a motion to pay the invoices for the previously approved grant.

Moved by Moss and seconded by Weaver to pay the two invoices totaling \$34,189.75 for the previously approved grant. Motion passed unanimously.

In response to a request by Treasurer Richer, Moss moved and Weaver seconded to treat directors' \$100.00 per diem checks for attending WDWDD board meetings as routine bills which require only one signature. Motion passed unanimously.

BLACK HILLS CONCERNED CITIZENS

Don Burger of Black Hills Concerned Citizens provided information concerning Croell Ready Mix's permit to pump water for quarry operations off of US Highway 16 south of Rapid City. The permit requested 6.4 million gallons per year from the Deadwood aquifer. This includes 15,000 gallons per day for industrial purposes and 2,500 gallons per day for livestock use. Residents in the area fear that that volume of drawdown from the aquifer will adversely affect the performance of their wells. The water permit has been approved, but Croell's plans remain on hold pending approval of its construction permit, which is currently tied up in court proceedings.

USGS STREAMFLOW GAUGES (Castle Creek and Rhoads Fork) - Second vote

Moved by Weaver and seconded by Beshara for second approval to grant USGS of \$14,785 to operate streamflow gauges on Castle Creek (seasonally) and Rhoads Fork (year-round) for October 1, 2016 to September 30, 2017. Motion passed 5-3. Akers, Koch, Steinken opposed.

USGS STORMWATER PROJECT - Update from Galen Hoogestraat

USGS hydrologist Galen Hoogestraat gave a presentation entitled, "Bacteria in Urban Runoff," which outlined preliminary findings from multiple sites on three drainages (Arrowhead, Jackson Boulevard, Downtown) within Rapid City. A key observation was that bacteria do not behave like other pollutants. (Note: All bacteria are not harmful to humans.) While sediment concentrations decrease as wash-off progresses, bacteria concentrations may actually increase. Conventional control for sediment may be ineffective for decreasing bacteria concentrations.

SDSMT Additional DNA Analysis of Rapid Creek - Second vote

Moved by Richer and seconded by Beshara for second approval to grant \$31,970 for DNA characterization pathogenicity study of Rapid Creek as proposed by Dr. Linda DeVeaux of SDSMT to be conducted in conjunction with DNA Testing Study to be conducted by H2E. The SDSMT study will determine the health risk, if any, associated with any e coli present in the creek. Motion passed unanimously.

CANYON LAKE DREDGING PROJECT - MEMORANDUM OF UNDERSTANDING

Richer and Martinez reported on fine tuning of details for the Canyon Lake Dredging Project Memorandum of Understanding between WDWDD, South Dakota Game, Fish and Parks, City of Rapid City, South Dakota Department of Environment and Natural Resources and Black Hills Fly Fishers. All parties agreed that the use of the purchased dredger shall be limited to western South Dakota. Chair Mueller and the WDWDD board expressed their thanks to former director Tim Rogers for his dedicated and continuing effort to see this project through to completion.

CRYSTALLINE AQUIFER STUDY - Dr. Alvis Lisenbee, SDSMT

Dr. Alvis Lisenbee along with graduate students Umit Yildiz and Andrew Clift presented findings from the WDWDD-funded Black Hills Crystalline Aquifer Groundwater Study. The study conducted a survey of drinking-water quality from 262 private wells in the western half of Pennington County. The samples, which were only taken from wells in Precambrian rock like granite, were analyzed for hardness, calcium, magnesium, nitrate, arsenic, and sulfate, as well as for the presence of total and fecal coliform bacteria. Well owners who allowed their wells to be sampled received survey results at no cost. A copy of the study is available on the WDWDD

website (www.westdakotawater.com/projects.html). Additional findings from the study can be found at www.sdsmt.edu/aquifers/.

HISEGA MEADOWS WATER PROJECT – Update: Project Conclusion

Mick Blumer of Hisega Meadows Water gave a presentation showing the WDWDD-funded work that was accomplished to improve the safety, accessibility and appearance of the pumping facility for the Hisega Meadow Water system. Blumer expressed his thanks to WDWDD on behalf of the 450 people served by the system.

YOUTH AND SCIENCE REQUEST – Denise Livingston

Denise Livingston made a request on behalf of Youth and Science for WDWDD to be a sponsor for a conference to cultivate interest in science for middle school girls. Over 600 attended last year. The conference budget over the last few years has been between \$10,000 and \$12,000 per year.

Moved by Richer and seconded by Koch to give \$2,500 to Youth and Science for the conference in March 2017. Motion passed 7-1. Moss opposed.

ITEMS FROM THE DIRECTORS

Richer asked if directors are interested in having WDWDD offer input on SB-2 which seeks to establish river basin natural resource districts in the state. Weaver offered to research the legislation and report back at the December meeting.

ITEMS FROM ADMINISTRATION

Martinez reported that the Rapid Creek DNA Testing Project will start the beginning of November.

ITEMS FROM THE PUBLIC – The floor was opened to the public. No public comment.

Meeting adjourned at 8:46 pm.

Respectfully Submitted,

Ken Steinken, Secretary

SOUTH DAKOTA

Quality South Dakota Association On Tap! of Rural Water Systems

RURAL WATER

203 Center Street West • PO Box 287 • Madison, South Dakota • 57042 • 605-556-7219 • Fax: 605-556-1497
301 Seaton Circle • Spearfish, South Dakota • 57783 • 605-642-4031 • Fax: 605-642-4031

West Dakota WDD
Jeanette Deurloo
PO Box 6365
Rapid City, South Dakota 57709

October 20, 2016

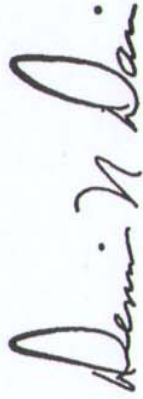
Dear Jeanette Deurloo:

Thank you for your past support and membership with South Dakota Rural Water. We view West Dakota WDD as a valuable member of our Association, and we believe our services are a valuable resource to your utility. By being a member of South Dakota Rural Water we become your Association. Benefits include:

- On-site assistance in the operation and maintenance of your water and wastewater system, which includes leak detection, line location, fire hydrant maintenance, line flushing, and smoke testing, televising and poly-pigging collection system lines.
- Assistance in attaining loans and grants from the State of South Dakota, Rural Development and National Rural Water Association
- Development of water and sewer rates and adjustments using the industry leading computer program RateMaker.
- Training seminars cover water and wastewater certification, meters, lift stations, hydrants, security, and various other topics selected by local operations staff.
- Up to date information on the Safe Drinking Water Act and the Clean Water Act.
- Receive bi-monthly magazine, Service Line, which provides information on pertinent seasonal issues.

This is just a small list of the available services offered. Enclosed are your 2016 dues. We look forward to your renewed membership. Just remember when you have water or wastewater needs, call your Association at (605) 556-7219 in Madison or (605) 642-4031 in Spearfish.

Sincerely,



Dennis N. Davis
Executive Director

Enclosure

MEMBER OF THE NATIONAL RURAL WATER ASSOCIATION

November 2, 2016

Mike Mueller
West Dakota Water Development District
402 Saint Joseph St. Suite 6
Rapid City, SD 57701

Dear Mr. Mueller,

Thank you for your consideration of our request for funds that will be used for repairs and replacement of our aging water system. Our system is approximately 60 years old. This system serves 13 families with 16 taps. Three families in our community have lived here since the housing development and well were established. Seven of the households in our community are retired and have fixed incomes.

We are an approved water system through the Department of Natural Resources and conform to all necessary testing and water quality standards.

The system main line consists of half galvanized pipe and half poly-urethane pipe. The main line has suffered two leaks this year and one last year. One leak was just recently repaired at a cost of over \$2000. Also, our pump went out last year and has been replaced. These repairs have depleted our reserves. Currently, we do not have the funds to repair the second leak.

We also have no curb stops or isolation valves. In order to do any repairs, we have to shut down our entire system to all 16 taps and 13 homes. Also, these leaks are not helping with our intent to conserve water. The lack of curb stops and isolation valves do not allow us to properly manage our water system.

We propose upgrading and replacing our main line to 2" PVC pipe, adding curb stops to each home and isolation valves in the main line. Bids received last year to replace our entire system of piping as described ranged from \$70,000 to \$110,000.

Again, thank you for your consideration.

Sincerely,

John Buhler
President
Hidden Valley Water Association
5359 Hidden Valley Lane
Rapid City, SD 57702

Sheridan Lake Highlands HOA

23468 Dry Sage Lane

Rapid City, SD 57702

November 5, 2016

West Dakota Water Development District (WDWDD)
Dan Richer, Director District 2

Dear Dan,

Sheridan Lake Highlands HOA Board requests WDWDD to consider approving a grant for the HOA to use towards engineering fees. The engineering study is needed for the purpose of acquiring the Development's Water and Sewer Systems from the private developer, The Water Company Inc., owned by-Dean and Ryan Kelly. We have hired AE2S Engineering and are working with Ted Schultz.

Thank you for your consideration..!

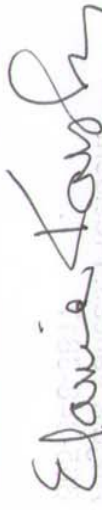
Sincerely,



Angela Vancas, President
605-348-3817



Nathan Woods, Vice President
605-348-4936



Elaine Karsky, Secretary/Treasurer
605-484-6916

Sincerely,

THANK YOU FOR YOUR CONSIDERATION.

WE2S ENGINEERING AND ITS WORKING WITH THE HOA

TO ACQUIRE THE WATER AND SEWER SYSTEMS FROM THE PRIVATE DEVELOPER, THE WATER COMPANY INC., OWNED BY DEAN AND RYAN KELLY. WE HAVE HIRED AE2S ENGINEERING AND ARE WORKING WITH TED SCHULTZ.

THANK YOU