



Approved 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