



**East Dakota Water Development District
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Brookings, SD 57006**

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**MINUTES
October 18, 2012**

The Board of Directors of the East Dakota Water Development District (EDWDD) held a regular meeting on October 18, 2012, at the EDWDD Office, 132B Airport Avenue, Brookings. Chairman Jarrett called the meeting to order at 9:05 a.m. The following persons attended:

Directors Present

Lois Brown
Mary Ellen Connelly
Vincent Flemming
Martin Jarrett
Kay Kassube
Roger Scheibe
John Weidler

Directors Absent

Jerry Soholt

Staff Present

Jay Gilbertson
Kristi Thielen

Others Present

Bonnie Dybedahl, SD Farm Bureau
Shirley Flemming, Florence
Fran Fritz, SD Association of Conservation Districts
Guanghui Hua, SDSU Civil & Environmental Engineering
Jim Housiaux, Banner Associates
Jesse Johnson, SD Corn
Todd Kays, First District Association of Local Governments
John Maursetter, Lake County
John Moes, Florence
Carolyn Rudebusch, SD Association of Conservation Districts
Tim Spade, Flandreau Santee Sioux Tribe
Charlie Stoneback, Lake Herman Sanitary District

Administrative Items

Approval of Agenda - The Manager asked to have an additional Project Assistance Request from the City of Sinai added to the agenda as previously distributed.

Motion by Connelly, seconded by Kassube to approve the agenda as amended. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the September 20th, 2012 meeting.

Motion by Scheibe, seconded by Flemming to approve the Minutes as presented. Motion carried unanimously.

Financial Reports - The Board reviewed the September 2012 Financial Report.

Motion by Scheibe, seconded by Brown to accept the September 2012 Financial Report. Motion carried unanimously. Chairman Jarrett then asked that the reports be placed in the District files.

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Meetings and Conferences - Directors Brown, Connelly and Scheibe attended the September 25th meeting of the Regional Watershed Advisory Task Force in Brookings.

Director Weidler attended the National Rural Water Association Annual Meeting in Nashville, Tennessee, on September 24-26.

Directors Flemming attended the October 17th meeting of the Lake Pelican Water Project District in Watertown.

Chairman Jarrett attended the September 27th meeting of the Lake County Clean Water Committee in Madison.

The Manager briefly commented on the following meetings he attended in the past month:

1. **September 25** - Brookings. Regional Watershed Advisory Task Force.
2. **September 26** - Watertown. First District Association of Local Governments.
3. **September 27** - Pierre. South Dakota Board of Water and Natural Resources.
4. **September 27** - Madison. Lake County Clean water Committee.
5. **October 9** - Brookings. East Dakota Riparian easement program easement signing.
6. **October 15** - Sioux Falls. Open House for new recycling center.
7. **October 16** - Brookings. Brookings County Commission.
8. **October 16** - Brookings. Brookings High School Quiz Bowl.
9. **October 17** - Mitchell. SDARWS Quality On Tap editorial board.

Upcoming Meetings -

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Motion by Weidler, seconded by Brown to hold the November Board of Directors meeting on Friday, November 16, starting at 1:00 p.m., at the Water Reclamation Plant, 4500 North Sycamore, Sioux Falls. Motion carried unanimously. Motion carried unanimously.

1. **October 23-25** - 9:00 a.m. - Ketchum, Idaho. Western States Source Water Protection Forum.
2. **October 30** - 9:00 a.m. - SDSU Student Union, Brookings. Eastern South Dakota Water Conference
3. **October 31/November 1** - Deadwood. SD Association of Rural Water Systems Managers Group.
4. **November 8** - 10:00 a.m. - Matthews Training Center, Pierre. SD Board of Water and Natural Resources.
5. **November 16** - 1:00 p.m. - Water Reclamation Plant, 4500 North Sycamore, Sioux Falls. November EDWDD Board of Directors Meeting.
6. **November 29 - December 1** - Alexandria, Minnesota. Minnesota Association of Watershed Districts 2012 Annual Meeting.

Payment Requests - The Manager presented two payment requests:

First District Association of Local Governments - At the April 2012 meeting, the Board set aside \$6,000 to cover the costs of a Concentrated Animal Feeding Operations Siting Tool Pilot Project, to be completed by the First District Association of Local Governments (First District). The project has been completed, and First District has submitted a billing for \$6,000. He noted that Todd Kays, First District Executive Director, would be presenting a summary of the project results later in the meeting.

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Motion by Scheibe, seconded by Flemming to approve payment of \$6,000 to First District as requested. The Manager noted that this would complete the District's commitment to this specific activity. Motion carried unanimously.

United States Geological Survey - At the October 2011 meeting, the Board agreed to provide District cost-share assistance totaling \$7,300 as cost-share for the operation and maintenance of a United States Geological Survey (USGS) gaging station, operated by the South Dakota Water Science Center. The gage is located on the Big Sioux River near Bruce. The USGS has submitted a payment request for \$7,300.

Motion by Kassube, seconded by Weidler to authorize payment of \$7,300 as requested. The Manager noted that this payment would complete the District obligation under this agreement. Motion carried unanimously.

Out-of-State Travel Authorization - The Manager requested Board authorization for out-of-state travel to attend the Western States Source Water Protection Forum, to be held in Ketchum, Idaho, on October 23-25.

Motion by Brown, seconded by Kassube to authorize attendance of the Western States Source Water Protection Forum by the Manager as requested. Motion carried unanimously.

The Manager also requested Board authorization for out-of-state travel to attend the Minnesota Association of Watershed Districts (MAWD) 2012 Annual Meeting, to be held in Alexandria, Minnesota, from November 29 to December 1. The Board suggested that perhaps some other staff might also benefit from attending this meeting, as the District has recently conducted several cooperative meetings with MAWD members.

Motion by Connelly, seconded by Flemming to authorize attendance of the 2012 MAWD Meeting by the Manager and staff as requested. Motion carried unanimously.

Project Assistance Requests

Lake Herman Sanitary District - Charlie Stoneback, Lake Herman Sanitary District (LHSD), presented the Board with a request for District cost-share assistance. LHSD is in the process of having an engineering assessment (facility plan) completed which will examine options available for establishing a formal waste water collection and treatment system at the lake. Mr. Stoneback and Jim Housiaux, Banner Associates, discussed aspects of the proposed effort. The total project costs was projected at \$19,800, of which \$10,000 is expected to be covered by a Small Community Planning Grant from the State. The Manager indicated that District practice in such cases would be to provide a grant of up to fifty-percent (50%) of the local share, which would come to \$4,900.

Motion by Kassube, seconded by Brown to provide District cost-share assistance to the Lake Herman Sanitary District to cover fifty percent (50%) of the local costs of the facility plan, up to a cap of \$4,900. Motion carried unanimously.

City of Sinai - The Manager presented the Board with a request for District cost-share assistance from the City of Sinai. The community is in the process of having an engineering assessment (facility plan) completed which will examine options for ceasing operations as a stand-alone public water supply, and

turning such efforts over to the KingBrook Rural Water System. The total project costs was projected at \$10,000, of which \$8,000 is expected to be covered by a Small Community Planning Grant from the State. The Manager indicated that District practice in such cases would be to provide a grant of up to fifty-percent (50%) of the local share, which would come to \$1,000.

Motion by Flemming, seconded by Brown to provide District cost-share assistance to the City of Sinai to cover fifty percent (50%) of the local costs of the facility plan, up to a cap of \$1,000. Motion carried unanimously, with Director Weidler abstaining.

Concentrated Animal Feeding Operations Siting Tool Pilot Project

Todd Kays, Executive Director for the First District Association of Local Governments, briefed the Board on the results of the Concentrated Animal Feeding Operations Siting Tool Pilot Project. At the April 2012 meeting, the Board agreed to fund a pilot project to identify those areas in selected counties that would meet the basic concentrated animal feeding operation (CAFO) siting requirements for state and county regulations, as well as being close enough to necessary infrastructure, such as water, roadways and power. The effort would be undertaken by the First District, with an anticipated end result of identifying those areas within a given county that would represent optimal sites for large CAFOs, at a cost of \$6,000. Due to the recent siting of a Bell Brands cheese plant in the City of Brookings, Brookings and Moody Counties were selected for the pilot project.

Potential sites were identified using First District's geographic information systems (GIS) capabilities applied in a three-step process. First, all set-back and other siting requirements/restriction contained within county and state large CAFO regulations were applied to all land parcels within a county, and those parcels that met the requirements were identified. Second, the parcels identified in the first step were then evaluated by proximity to adequate roads (county or state highways) and access to sufficient electrical power transmission lines/service. In these instances, land parcels within 1 mile of good roads and/or power were acceptable, but preference was given to lesser distances. Finally, access to an adequate water supply was evaluated. This proved to be the most problematic of the criteria, as the capacity and transmission capability of the public water supplies (PWSs) in the area varied substantially. For Brookings County, proximity to actual high-capacity water lines was used. In Moody County, no PWSs could provide adequate water, so distance to known aquifers was used.

Mr. Kays presented the Board with maps of parcels located in each county that met all of the regulatory set-back requirements, and were also reasonably close to adequate roads, power and water supplies. He noted that these results were not intended to identify the only areas where large AFOs could be located. Nor did they represent areas where such facilities could be automatically sited without further consideration. The Manager stated that the effort was intended to serve as a first-pass screening tool that would hopefully either direct interest to those areas where the appropriate infra-structure already exists or serve to rule out certain areas where current conditions would present significant problems.

Mr. Kays presented the Board with several copies of the final report, which District staff would be reviewing in the coming weeks. The Manager indicated, and Mr. Kays agreed, that the information contained within the reports had potential economic development value, and that it would be prudent for the District to establish a policy for distribution and dissemination of the results. He indicated that he would likely request a meeting of the Executive Committee at some point in November to discuss this issue further.

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South Dakota Association of Conservation Districts

Fran Fritz, President of the South Dakota Association of Conservation Districts, briefed the Board on the mission and activities of her organization. She reviewed the history and development of conservation districts in the state, and explained how they function and are governed. Ms. Fritz reviewed several projects the State association is working on, including efforts to provide trained staff for the management of watershed protection and restoration projects across the state.

District Updates

Regional Watershed Advisory Task Force - The Manager reviewed the results of the September 25th meeting of the Regional Watershed Advisory Task Force held at the McCrory Gardens Education and Visitor Center in Brookings. The meeting was well attended (70+ attendees, including Directors Brown, Connelly and Scheibe). The program consisted mostly of informational presentations by the US Army Corps of Engineers (their permitting process), Ducks Unlimited (role and function of wetlands), the SD Attorney General's Office (SD drainage law) and a drainage engineer from White Lake (need for engineering planning). There were a relatively small number of people who spoke during the comment period.

A third and final (for 2012) meeting will likely be held in northeastern South Dakota later in the year, but a date and specific location had not yet been set. Copies of the DRAFT Minutes of the September 25th meeting of the Task Force were distributed.

Updating /Implementation of Comprehensive Local Groundwater Protection for Shallow Aquifers in Eastern South Dakota - The Manager reviewed a grant application he had submitted for funding under the 319 Non-Point Source Pollution grant program administered by SD DENR. Entitled, "Updating/Implementation of Comprehensive Local Groundwater Protection for Shallow Aquifers in Eastern South Dakota," the effort would update and expand on efforts the District first undertook in the late 1980s. At the time, the District worked in cooperation with Brookings County to develop one of the first aquifer protection ordinances in the nation. In 1989, this effort was expanded to encompass the entire District under a proposal entitled, "Implementation of Comprehensive Local Groundwater Protection for Shallow Aquifers in Eastern South Dakota." Collaborating with the First District Association of Local Governments, SD DENR (SD Geological Survey and Ground Water Quality Program) and the US Environmental Protection Agency Region VIII, the effort was expanded and led to the development and adoption of local ground water protection measures in all of our counties. Four other South Dakota counties have adopted ordinances modeled after the District's effort.

He noted that a critical component of the resulting ground water protection ordinances was the delineation of specific wellhead protection areas (WHPAs) for each public water supply well/well field involved. WHPAs were defined using a combination of aquifer mapping and analytical equations. While many of the variables in the equations remain relatively constant over time, some are more time sensitive. Daily pumping rate is a key factor, and by all accounts, daily production has climbed dramatically. Consequently, it is reasonable to assume that the WHPAs defined earlier are no longer providing the level of protection expected.

The proposed project would revisit the WHPAs delineated for all of the public water suppliers in the original study area (EDWDD counties, along with Clark County), and also two new areas (Clay and Marshall Counties). Response from SD DENR staff has been very positive, including an offer to provide in-kind

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assistance for the rehabilitation or installation of observation wells.

The Manager indicated that he would be discussing the proposed effort with staff from the United States Environmental Protection Agency - Region VIII at the Western States Source water Protection Forum in Idaho the following week.

Public Outreach Materials - The Manager requested authorization to acquire display materials for use to promote District activities at public meetings, farm and home shows, legislative gatherings and other outreach/educational opportunities. He requested clearance to expend up to \$5,000 to acquire several tabletop and free-standing displays and related material.

Motion by Kassube, seconded by Weidler to authorize the Manager to expend up to \$2,500 to acquire display materials. Additional funds could be requested at a later time. Motion carried unanimously.

Adjournment

There being no further District business, Chairman Jarrett declared the meeting adjourned at 12:35 p.m.

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Roger Scheibe, Secretary

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