



East Dakota Water Development District

132B Airport Drive

Brookings, SD 57006

605-688-6741

605-688-6744 Fax

---

## MINUTES

August 20, 2007

The Board of Directors of the East Dakota Water Development District (EDWDD) held a regular meeting on August 20, 2007 at the District office in Brookings. Chairman Dempsey called the meeting to order at 9:05 a.m. The following persons attended:

### Directors Present

Lois Brown  
Bill Dempsey  
Curt Eggers  
Doug Feten  
Vincent Flemming  
Martin Jarrett  
Kay Kassube  
Robert Todd  
John Weidler

### Others Present

Scott Buss, Minnehaha Community Water Corporation  
Jean Eggers, Renner  
Robert Kolbe, Minnehaha County Commission  
Jerry Myers, SD Lakes & Streams Association  
Dennis Today, SDSU Cooperative Extension Service

### Staff Present

Lisa Bretsch  
Jay Gilbertson  
Angela Guidry  
Pat Hammond

## Administrative Items

Approval of Agenda - **Motion** by Weidler, seconded by Eggers to approve the agenda as presented. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the July 26, 2007. **Motion** by Kassube, seconded by Brown to approve the Minutes as presented. Motion carried unanimously.

Financial Reports - The Board reviewed the July 2007 Financial Report. **Motion** by Todd, seconded by Feten to accept the July 2007 Financial Report. Motion carried unanimously. Chairman Dempsey then asked that the reports be placed in the District files.

Report of Meetings and Conferences - Director Feten attended the easement document signing for the Tesch properties (rural Estelline) on August 14 in Brookings.

Directors Jarrett and Todd attended the August 2 meeting of the Interlakes Water Quality Committee in Madison and the August 5 Lake Madison Improvement Association Annual Meeting.

The Manager briefly commented on the following meetings he had attended:

1. **July 31** - Huron. NRCS meeting and discussion on application of manure on frozen ground.
2. **August 2** - Madison. Interlakes Water Quality Committee.
3. **August 3-4** - Morris, MN. National Science Foundation Research Experience for Undergraduates geology field conference.

4. **August 5** - Lake Madison. Lake Madison Improvement Association Annual Meeting.
5. **August 7** - Brookings - Groundwater for Public Officials presentation to Brookings County Planning Commission.
6. **August 9** - Brookings. SD Lakes & Streams Association Board Meeting.
7. **August 17** - Madison. Interlakes Water Quality Committee water project district research.

#### Upcoming Meetings

1. **August 21 - 10:00 a.m.** - Armour. South Central Water Development District Board Meeting.
2. **August 23 - 7:00 p.m.** - Lake Poinsett. Lake Poinsett Water Project District Board Meeting.
3. **August 30-September 3** - Huron. South Dakota State Fair. Manager will be working at the SDARWS Booth on September 2<sup>nd</sup>.
4. **September 13 - 1:00 p.m.** - Brookings. SD Lakes and Streams Association.
5. **September 13 - 7:00 p.m.** - Madison. Interlakes Water Quality Committee.
6. **September 16-18** - Ramkota Convention Center, Watertown. South Dakota Association of Conservation Districts Annual Meeting.
7. **September 20 - 9:30 a.m.** - Redlin Farms, rural Summit. September EDWDD Board of Directors Meeting.

Payment Request - The Manager presented the Board with a payment request from the City of Clear Lake. In September 2006 the Board agreed to provide fifty percent (50%) of the local costs, up to a maximum of \$750, of a facility plan for it's wastewater treatment and collection system. He noted that the City had submitted all required paperwork, including copies of the bills, and he recommended payment of \$750 as requested. **Motion** by Flemming, seconded by Feten to approve payment as requested. The Manager noted that with this action, the District obligation to this activity would be complete. Motion carried unanimously.

### **Hearing on the 2008 EDWDD Operations Budget**

Chairman Dempsey opened the public hearing on the 2008 EDWDD Operations Budget at 10:00 a.m. and invited public comment on the budget as advertised. The Manager stated that the District had published a copy of the budget and notices of the hearing in the official District newspapers. No written or verbal comments have been received prior to the meeting.

The Manager reviewed a potential change to the 2008 budget. The change involved an increase in the amount of the base tax levy the District would collect in 2008. For 2007, this amount is \$200,000. The proposed change would raise the amount to \$213,000, with the increase reflecting both inflationary increases and increased valuation due to growth. The additional funds would be added to Project Assistance. No comments concerning the published budget or the proposed change were made by persons in attendance at the meeting. **Motion** by Todd, seconded by Brown to adopt the 2008 EDWDD Operations Budget as presented, with the additional base tax levy request as proposed. Motion carried unanimously.

### **State Climatologist Activities**

Dr. Dennis Todey, State Climatologist with the South Dakota State University Cooperative Extension Service (CES), provided an update on several activities he and his office are currently involved with.

*Adoption-Outreach of Agricultural Water Conservation Strategies in a Sub-Humid Urban Area* - CES, the

City of Sioux Falls Public Works Department and area landscape irrigation companies have joined together to support an effort to evaluate the best strategies to implement lawn irrigation water conservation measures. During the summer months in particular, lawn and green space irrigation place tremendous stress on the City's water systems ability to deliver water. Odd-even watering restrictions have moderated day-to-day peaks, but annual usage continues to rise.

This project will evaluate the suitability of using real-time, detailed meteorologic data to control lawn irrigation systems. The presumption is that in many cases, irrigation is taking place at rates well in excess of the actual water requirements of the turf. The project will collect rainfall data on a very close grid around the community, install several additional high-resolution weather stations in the community, and run field tests of irrigation control systems that take direction from the weather stations. There is also a significant public education and outreach component of the project.

***Community Collaborative Rain, Hail & Snow (CoCoRaHS) Network*** - The CoCoRaHS Network is a nationwide program supporting a community-based network of volunteers working to measure and map precipitation (rain, hail and snow). CoCoRaHS was started in 1998 at Colorado State University, in response to a major flood event in Fort Collins, CO. It includes over 3,500 observer/participants in 18 states. By using low-cost measurement tools, stressing training and education, and utilizing an interactive Web-site, the aim is to provide the highest quality data for natural resource, education and research applications.

Dr. Todey is the CoCoRaHS Coordinator for South Dakota, where there are already over 300 participants. He noted that in Harding County, they had 14 registered participants at this time. The county has just over 1,200 total residents, so slightly over 1% of the population are CoCoRaHS volunteers. If Brookings County residents participated at the same level, there would be 280 gauges across the county. There are at present only 12. Several counties in the District have only one or two participants.

The Manager noted that one of the important features is that once site data is entered in the CoCoRaHS database, the results can be viewed in near real-time. He noted that he and Jeanne Fromm had discussed integrating this program into the Dakota Water Watch volunteer monitoring program.

By way of supporting the CoCoRaHS Network in general, and to provide targeted support for activities such as Sioux Falls area irrigation demonstration study and Dakota Water Watch, the Manager proposed having the District obtain some of the rain gauges used by the project. If purchased in multiples of 12, they can be obtained for \$20 apiece or less. **Motion** by Eggers, seconded by Kassube to allocate \$2,000 in District project assistance funds for the purchase of CoCoRaHS-compatible rain gauges. The Manager noted that this amount would cover the purchase costs and shipping for 96 gauges. Motion carried unanimously.

The Manager indicated that he would distribute information to potential participants in the program, such as conservation districts and rural water systems, that would expand the coverage across the District. **Motion** by Brown, seconded by Flemming to notify the schools that participate in the water festivals of the program, and to encourage their participation to the extent practical. Motion carried unanimously.

### **Project Updates**

Central Big Sioux River Watershed Implementation Project - Angela Guidry, Project Manager, reported on her activities over the past month. She and other consultants have met with an operator in Minnehaha County about construction of a clean water diversion around a cattle backgrounding facility. A field tour was held

in Moody County on July 31, with a focus on riparian remediation along Pipestone Creek and the Big Sioux River. Construction has started on a feedlot upgrade near Castlewood. On August 14, two easement agreements were executed for land along the Big Sioux River near Estelline. She attended a workshop on Geomorphic Analysis of Fluvial Systems in Fargo, North Dakota, on August 6-10. The instructors (USDA Agricultural Research Service) will be in South Dakota later in the year to collect geotechnical data on bank stability, which will lead to better remediation efforts. She continues to meet with stakeholders in the project area on other project activities.

Lake Campbell Reassessment Project - The manager reported that Deb Springman has been collecting field data for this project over the past month, including monthly water quality sampling and conducting macrophyte surveys. She also attended the Geomorphic Analysis of Fluvial Systems workshop in North Dakota.

Volunteer Monitoring - The Manager reported on behalf of Jeanne Fromm on these efforts. She has worked with volunteers on field sampling at Lakes Campbell, Cochrane and Herman, including a re-sample at Lake Campbell following a very high bacteria result. The second Project Update flyer for the Bacteria Project has been prepared and distributed it to project participants and sponsors. Ms. Fromm wrote several articles for the Lake News (semi-monthly newsletter for the Lake Madison Improvement Association) on the bacteria project and overall volunteer monitoring efforts. Finally, she is working on developing a draft strategic plan for the Dakota Water Watch program, which is under review by various stakeholders.

### **Adjournment**

There being no further District business, Chairman Dempsey declared the meeting adjourned at 11:10 a.m.

---

Doug Feten, Secretary

**East Dakota Water Development District  
Custom Summary Report  
July 2007**

	Jul 07
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
4100 · Tax Rev	
4140 · Current Tax Revenue	2,576.57
4150 · Prior Tax Revenue	177.88
4160 · Miscell. Tax Revenue	50.38
<b>Total 4100 · Tax Rev</b>	<b>2,804.83</b>
4400 · CBSRWIP Services	
4410 · CBSRWIP Phase I Fees & Assessme	189.61
<b>Total 4400 · CBSRWIP Services</b>	<b>189.61</b>
7010 · Interest Income	2,192.39
<b>Total Income</b>	<b>5,186.83</b>
<b>Gross Profit</b>	<b>5,186.83</b>
<b>Expense</b>	
5000 · Dakota Water Watch	
5010 · Citizen's Monitoring Project	
5015 · Postage and Shipping DWWCM	6.65
<b>Total 5010 · Citizen's Monitoring Project</b>	<b>6.65</b>
5050 · Bacteria Monitoring Project	
5051 · Water Quality Analysis DWWBM	231.00
5052 · Travel DWWBM	169.47
5053 · Supplies and Materials DWWBM	7.73
5054 · Equipment DWWBM	64.28
5055 · Bacteria Test Kits DWWBM	463.80
<b>Total 5050 · Bacteria Monitoring Project</b>	<b>936.28</b>
<b>Total 5000 · Dakota Water Watch</b>	<b>942.93</b>
5400 · CBSRWIP EDWDD Expenditures	
5415 · Water Quality Analysis	1,390.64
5440 · Conservation Management Plans	
5443 · Ag Waste Mng Syst Engineering	265.45
<b>Total 5440 · Conservation Management Plans</b>	<b>265.45</b>
<b>Total 5400 · CBSRWIP EDWDD Expenditures</b>	<b>1,656.09</b>
5500 · CBSRWIP State Expenditures	
5520 · Travel	
5521 · Gas for project	606.90
5520 · Travel - Other	182.79
<b>Total 5520 · Travel</b>	<b>789.69</b>
5530 · Professional Fees	35.00
5535 · Supplies and Materials	187.09
5560 · Conservation District Expenses	
5561 · CD Staff	344.29
5562 · CD Travel	84.73
<b>Total 5560 · Conservation District Expenses</b>	<b>429.02</b>
5570 · Conservation Managment Plans	
5571 · Conservation Easement	51,857.27
5572 · Ag Waste Mng Sys Engineering	492.98
<b>Total 5570 · Conservation Managment Plans</b>	<b>52,350.25</b>
<b>Total 5500 · CBSRWIP State Expenditures</b>	<b>53,791.05</b>
5700 · Lake Campbell Assessment	
5710 · Water Quality Analysis LCAP	2,345.00
5720 · Travel LCAP	84.01
<b>Total 5700 · Lake Campbell Assessment</b>	<b>2,429.01</b>

**East Dakota Water Development District  
Custom Summary Report  
July 2007**

	Jul 07
6050 · Vehicle Expense	
6052 · Lease Expense	321.59
6054 · Maintenance/Cleaning	63.76
6055 · Purchase	672.00
6056 · Vehicle Mechanical/Parts	56.08
6057 · Miscellaneous	162.35
Total 6050 · Vehicle Expense	1,275.78
6070 · BOD Travel & Ent	
6072 · BOD Travel	438.97
Total 6070 · BOD Travel & Ent	438.97
6080 · Capital Outlay Items	
6081 · Books	45.00
6083 · Office Fixtures	296.10
6084 · Other Capital Outlay	99.99
6086 · Software	42.39
Total 6080 · Capital Outlay Items	483.48
6220 · Dues and Subscriptions	118.47
6240 · Equipment Rental	
6241 · Copier Lease/Rental	182.17
Total 6240 · Equipment Rental	182.17
6530 · Miscellaneous	121.65
6540 · Maintenance	
6541 · Office Maintenance	275.00
Total 6540 · Maintenance	275.00
6550 · Supplies	
6551 · Office Supplies	35.97
6552 · Garage Supplies	66.72
Total 6550 · Supplies	102.69
6560 · Payroll Expenses	
6163 · Payroll Taxes	1,871.78
6561 · Retirement	150.99
6562 · Health Insurance	2,444.46
6564 · Retirement Admin Co. 2	198.84
6560 · Payroll Expenses - Other	6,482.38
Total 6560 · Payroll Expenses	11,148.45
6565 · Payroll Expenses for Board	565.00
6566 · Payroll Expenses Technical	
6570 · Retirement Technical Asst. - Co	656.64
6571 · Technical Asst. Employ. 2 Co.	198.84
6566 · Payroll Expenses Technical - Other	18,518.27
Total 6566 · Payroll Expenses Technical	19,373.75
6620 · Printing and Reproduction	1.01
6640 · Professional Fees	
6650 · Accounting	1,600.00
6660 · Legal Fees	79.50
6640 · Professional Fees - Other	120.00
Total 6640 · Professional Fees	1,799.50
6690 · Rent	
6691 · Office Rent	1,500.00
Total 6690 · Rent	1,500.00
6880 · Telephone	
6881 · Cell Phone	135.89
6882 · Office Phone	292.96
Total 6880 · Telephone	428.85
6900 · Travel & Ent	438.70

## East Dakota Water Development District Custom Summary Report July 2007

	Jul 07
6940 · Utilities	
6970 · Trash Removal	51.30
<b>Total 6940 · Utilities</b>	<b>51.30</b>
<b>Total Expense</b>	<b>97,123.85</b>
<b>Net Ordinary Income</b>	<b>-91,937.02</b>
<b>Other Income/Expense</b>	
<b>Other Expense</b>	
8050 · Project Expenditures	
8055 · City of Flandreau 05	3,196.00
8060 · SDSU Regional Wt Resch Cnt 06	10,000.00
<b>Total 8050 · Project Expenditures</b>	<b>13,196.00</b>
8700 · Uncommitted Project Funds	
8707 · BSWF Weather Trunks	1,127.19
<b>Total 8700 · Uncommitted Project Funds</b>	<b>1,127.19</b>
<b>Total Other Expense</b>	<b>14,323.19</b>
<b>Net Other Income</b>	<b>-14,323.19</b>
<b>Net Income</b>	<b>-106,260.21</b>