North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
701-328-2750 • TDD 701-328-2750 • FAX 701-328-3696 • INTERNET: http://swc.nd.gov

June 27, 2008

North Dakota Department of Health
Division of Water Quality
PO Box 5520
Bismarck, ND – 58506-5520

U.S. Environmental Protection Agency
Attn: Enforcement Office (ENF-PT)
1595, Wynkoop Street
Denver, CO 80202-1129

RE: North Dakota Pollutant Discharge Elimination System
Permit Number: ND-0026247

Enclosed are the Discharge Monitoring Reports for the Devils Lake Outlet Project, permit number ND-0026247, for the month of May 2008 and the summaries of the sample results and flow data.

The days the outlet discharged are highlighted in yellow in the summaries. Attached to the summaries are the tables showing average daily outlet discharge, increase in the base sulfate concentration at Bremen because of the outlet operation, water quality results of the samples collected from the upstream location, downstream location and the outlet, the average daily stream flow data and the conductivity data obtained from the USGS gaging station at the upstream and the downstream location.

If you have any questions regarding these reports, please contact me at 701-328-4958.

Bruce Engelhardt P.E.
Head, Investigations Section
BE:SP:416-10
Enclosure

PERMITTEE NAME/ADDRESS

NAME: ND State Water Commission

ADDRESS:

Bismarck ND 58506

FACILITY: Devils Lake Outlet Project

LOCATION: Benson Co, ND

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

DISCHARGE MONITORING REPORT (DMR)

ND-0026247	001 A
PERMIT NUMBER	OUTFALL NO.

MONITORING PERIOD		
5/1/08	TO	5/31/08

1 / Month

Outlet General Summary

F- FINAL

MINOR

NO DISCHARGE: ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX	8.4		8.6	SU		Daily	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				7.0 (see Perm) MINIMUM	*****	9.0 (See Perm) MAXIMUM	SU		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX		-	-	mg/L		Weekly	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	100 mg/l DAILY MAX	MG/L		Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX	1344		2085	umho/cm		Continuous	Recorder
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				REPORT MINIMUM	*****	REPORT MAXIMUM	umho/cm		Continuous	Recorder
SULFATE	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX		744.33	736.2	mg/L		5 x Week	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.56	5.67	cfs	XXXXX	XXXXX	XXXXX	XXX		Continuous	Recorder
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AVG	100 (see perm) DAILY MAX	cfs						Continuous	Recorder
FLOW, TOTAL	SAMPLE MEASUREMENT	XXXXX	11.25	MGAL	XXXXX	XXXXX	XXXXX	XXX		Continuous	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT 30 DA TOTAL	MGAL						Monthly	CALC
DURATION OF DISCHARGE	SAMPLE MEASUREMENT	XXXXX	XXXXX		XXXXX	XXXXX	5	Days		Monthly	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT						REPORT MAXIMUM	DAYS		Monthly	CALC

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Bruce Engelhardt Head, Investigations Section	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELEIVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.		701-328-4958	6/27/08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Number	Mo - Day - Year

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations.

Provide process control monitoring information by attachment or through electronic media.

Daily Outlet Discharge for the Month of May 2008

Date May 2008	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu-ft)
1	5.49	474722
2	5.67	489991
3	4.84	418200
4	0.11	9579
5	1.29	111107
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.00	0.00
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	0.00
25	0.00	0.00
26	0.00	0.00
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00

Total		1,503,599	cu-ft
Total		11.25	Mgal
Total		34.52	Ac-ft
Average Flow	0.56	cfs	

Water Quality Results of the samples collected at the outlet
Devils Lake Outlet

Date	Time	Sampler	Average Daily EC from Outlet Telemetry(µ S/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
5/1/08	14:50	NDSWC	2077	8.43	731	717.57	-	7
5/2/08	10:15	NDSWC	2073	8.39	735	722.71	-	7
5/3/08	-	-	2082	-	-	724.50	-	7
5/4/08	-	-	2085	-	-	726.20	-	7
5/5/08	9:20	NDSWC	1344	8.58	767	736.20	-	7
5/6/08	-	-	-	-	-	-	-	-
5/7/08	-	-	-	-	-	-	-	-
5/8/08	-	-	-	-	-	-	-	-
5/9/08	-	-	-	-	-	-	-	-
5/10/08	-	-	-	-	-	-	-	-
5/11/08	-	-	-	-	-	-	-	-
5/12/08	-	-	-	-	-	-	-	-
5/13/08	-	-	-	-	-	-	-	-
5/14/08	-	-	-	-	-	-	-	-
5/15/08	-	-	-	-	-	-	-	-
5/16/08	-	-	-	-	-	-	-	-
5/17/08	-	-	-	-	-	-	-	-
5/18/08	-	-	-	-	-	-	-	-
5/19/08	-	-	-	-	-	-	-	-
5/20/08	-	-	-	-	-	-	-	-
5/21/08	-	-	-	-	-	-	-	-
5/22/08	-	-	-	-	-	-	-	-
5/23/08	-	-	-	-	-	-	-	-
5/24/08	-	-	-	-	-	-	-	-
5/25/08	-	-	-	-	-	-	-	-
5/26/08	-	-	-	-	-	-	-	-
5/27/08	-	-	-	-	-	-	-	-
5/28/08	-	-	-	-	-	-	-	-
5/29/08	-	-	-	-	-	-	-	-
5/30/08	-	-	-	-	-	-	-	-
5/31/08	-	-	-	-	-	-	-	-

PERMITTEE NAME/ADDRESS

NAME: ND State Water Commission

ADDRESS:

Bismarck ND 58506

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

DISCHARGE MONITORING REPORT (DMR)

1 / Month
Upstream General Summary
F- FINAL
MINOR

ND-0026247	001 A
PERMIT NUMBER	OUTFALL NO.

FACILITY: Devils Lake Outlet Project

LOCATION: Benson Co, ND

MONITORING PERIOD		
5/1/08	TO	5/31/08

NO DISCHARGE: ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	8.3		8.6	SU		Daily	Grab
UPSTREAM	PERMIT REQUIREMENT				REPORT MINIMUM	*****	REPORT MAXIMUM	SU		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		6.7	7.0	mg/L		Weekly	Grab
UPSTREAM	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	REPORT DAILY MAX	MG/L		Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	1510		1730	umho/cm		Continuous	Recorder
UPSTREAM	PERMIT REQUIREMENT				REPORT MINIMUM	*****	REPORT MAXIMUM	umho/cm		Continuous	Recorder
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		418.05	384.86	mg/L		5 x Week	Grab
UPSTREAM	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB
FLOW, INSTREAM	SAMPLE MEASUREMENT	18.91	58.58	cfs	xxxxx	xxxxx	xxxxx	xxx		Continuous	Recorder
UPSTREAM	PERMIT REQUIREMENT	REPORT 30 DA AVG	REPORT DAILY MAX	cfs						Continuous	Recorder
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Number	Mo - Day - Year

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations.

Provide process control monitoring information by attachment or through electronic media.

Instream samples and measurements for this summary pertain only to time periods when outlet is actually operated.

Water Quality Results of the samples collected from the upstream location near Flora
Sheyenne River Above Devils Lake Outlet Near Flora

Date	Time	Sampler	USGS EC (µS/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
5/1/08	14:40	NDSWC	1520	8.53	376	384.86	-	7
5/2/08	10:00	NDSWC	1510	8.5	371	378.29	-	7
5/3/08	-	-	-	-	-	377.83	-	7
5/4/08	-	-	-	-	-	377.00	-	7
5/5/08	10:00	NDSWC	1510	8.55	373	374.40	-	7
5/6/08	7:45	NDSWC	1530	8.46	377	-	6	-
5/7/08	16:45	NDSWC	1560	8.44	398	-	-	-
5/8/08	10:10	NDSWC	1580	8.44	398	-	-	-
5/9/08	13:00	NDSWC	1580	8.43	397	-	-	-
5/10/08	-	-	-	-	-	-	-	-
5/11/08	-	-	-	-	-	-	-	-
5/12/08	13:30	NDSWC	1620	8.48	418	-	-	-
5/13/08	7:40	NDSWC	1630	8.48	420	-	7	-
5/14/08	15:30	NDSWC	1670	8.25	451	-	-	-
5/15/08	8:50	NDSWC	1700	8.32	451	-	-	-
5/16/08	9:00	NDSWC	1710	8.33	457	-	-	-
5/17/08	-	-	-	-	-	-	-	-
5/18/08	-	-	-	-	-	-	-	-
5/19/08	15:20	NDSWC	1720	8.55	447	-	-	-
5/20/08	9:45	NDSWC	1710	8.49	447	-	7	-
5/21/08	14:00	NDSWC	1680	8.39	417	-	-	-
5/22/08	8:30	NDSWC	1660	8.41	415	-	-	-
5/23/08	8:00	NDSWC	1680	8.42	420	-	-	-
5/24/08	-	-	-	-	-	-	-	-
5/25/08	-	-	-	-	-	-	-	-
5/26/08	-	-	-	-	-	-	-	-
5/27/08	8:30	NDSWC	1710	8.45	435	-	-	-
5/28/08	16:00	NDSWC	1730	8.55	442	-	-	-
5/29/08	9:40	NDSWC	1730	8.54	441	-	-	-
5/30/08	11:30	NDSWC	1700	8.39	428	-	-	-
5/31/08	-	-	-	-	-	-	-	-

Average daily streamflow and conductivity data at the upstream location near Flora

USGS Gaging Station Data		
Sheyenne River Above Devils Lake		
Date May 2008	Streamflow (cfs)	EC (µS/cm)
1	58.58	1518.02
2	49.43	1505.52
3	41.84	1477.81
4	30.76	1487.40
5	24.93	1508.54
6	21.50	1530.52
7	20.03	1554.47
8	18.79	1576.56
9	17.04	1580.21
10	15.57	1581.25
11	16.31	1599.90
12	17.89	1619.17
13	18.85	1628.13
14	17.23	1664.17
15	16.54	1696.88
16	15.43	1714.38
17	15.98	1728.96
18	16.42	1731.98
19	18.23	1720.52
20	17.66	1708.65
21	15.82	1685.42
22	14.28	1669.06
23	12.65	1685.83
24	11.35	1700.83
25	10.14	1712.60
26	9.56	1712.08
27	8.59	1715.73
28	7.23	1723.65
29	6.50	1729.58
30	8.59	1732.13
31	12.34	1744.69
Average	18.91	1643.37
Maximum	58.58	1744.69
Minimum	6.50	1477.81

PERMITTEE NAME/ADDRESS

NAME: ND State Water Commission

ADDRESS:

Bismarck ND 58506

FACILITY: Devils Lake Outlet Project

LOCATION: Benson Co, ND

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

DISCHARGE MONITORING REPORT (DMR)

ND-0026247	001 A
PERMIT NUMBER	OUTFALL NO.

MONITORING PERIOD		
5/1/08	TO	5/31/08

1 / Month

Downstream General Summary

F- FINAL

MINOR

NO DISCHARGE: ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	8.4		8.6	SU		Daily	Grab
DOWNSTREAM	PERMIT REQUIREMENT				REPORT MINIMUM	*****	REPORT MAXIMUM	SU		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		9.7	11.0	mg/L			
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	REPORT DAILY MAX	MG/L		Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	1510		1760	umho/cm		Continuous	Recorder
DOWNSTREAM	PERMIT REQUIREMENT				REPORT MINIMUM	*****	REPORT MAXIMUM	umho/cm		Continuous	Recorder
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		432.62	437.5	mg/L		5 x Week	Grab
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT 30 DA AVG	450 mg/l MAX 7 DAY AVG	MG/L		5 x Week	GRAB
FLOW, INSTREAM	SAMPLE MEASUREMENT	23.2	89.88		xxxxx	xxxxx	xxxxx	xxx		Continuous	Recorder
DOWNSTREAM	PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX	cfs						Continuous	Recorder
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Bruce Engelhardt Head, Investigations Section	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELEIVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	701-328-4958	6/27/08
TYPED OR PRINTED			Number	Mo - Day - Year

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Attach summary individual sample results and flow data for outlet, upstream & downstream monitoring locations.

Provide process control monitoring information by attachment or through electronic media.

Instream samples and measurements for this summary pertain only to time periods when outlet is actually operated.

Increase in base sulfate and flow at downstream location Bremen because of outlet operation

Date April/May 2008	Average Daily Outlet Flow (cfs)	Gaged flow at Bremen	Sulfate at the Outlet (mg/L)	Sulfate at Bremen (mg/L)	Baseflow at Bremen (cfs)	Background Concentration (mg/L)	Target sulfate at Bremen based on the permit (mg/L)	7 Day Rolling Average of target sulfate at Bremen during the operating period (mg/L)	7 Day Rolling Average of actual measured sulfate at Bremen during the operating period (mg/L)	No. of days included in the 7 day Rolling average
5/1/08	5.49	89.88	731	429	84.38	409.34	450.00	434.45	427.57	7
5/2/08	5.67	81.68	735	428	76.01	405.09	450.00	445.10	434.29	7
5/3/08	4.84	58.39	-	-	53.55	-	-	449.09	437.50	7
5/4/08	0.11	48.40	-	-	48.28	-	-	448.91	432.80	7
5/5/08	1.29	34.28	767	428	33.00	414.79	450.00	448.91	428.00	7
5/6/08	0.00	29.52	-	394	29.52	-	-	-		-
5/7/08	0.00	25.64	-	386	25.64	-	-	-		-
5/8/08	0.00	21.52	-	386	21.52	-	-	-		-
5/9/08	0.00	21.85	-	391	21.85	-	-	-		-
5/10/08	0.00	21.71	-	-	21.71	-	-	-		-
5/11/08	0.00	14.93	-	-	14.93	-	-	-		-
5/12/08	0.00	16.79	-	416	16.79	-	-	-		-
5/13/08	0.00	22.33	-	414	22.33	-	-	-		-
5/14/08	0.00	20.25	-	418	20.25	-	-	-		-
5/15/08	0.00	20.56	-	419	20.56	-	-	-		-
5/16/08	0.00	17.44	-	432	17.44	-	-	-		-
5/17/08	0.00	14.98	-	-	14.98	-	-	-		-
5/18/08	0.00	13.70	-	-	13.70	-	-	-		-
5/19/08	0.00	18.78	-	478	18.78	-	-	-		-
5/20/08	0.00	18.22	-	481	18.22	-	-	-		-
5/21/08	0.00	17.42	-	479	17.42	-	-	-		-
5/22/08	0.00	16.84	-	479	16.84	-	-	-		-
5/23/08	0.00	15.51	-	475	15.51	-	-	-		-
5/24/08	0.00	12.77	-	-	12.77	-	-	-		-
5/25/08	0.00	11.99	-	-	11.99	-	-	-		-
5/26/08	0.00	8.55	-	-	8.55	-	-	-		-
5/27/08	0.00	5.86	-	445	5.86	-	-	-		-
5/28/08	0.00	4.71	-	443	4.71	-	-	-		-
5/29/08	0.00	4.08	-	443	4.08	-	-	-		-
5/30/08	0.00	4.83	-	421	4.83	-	-	-		-
5/31/08	0.00	5.81	-	-	5.81	-	-	-		-

Water Quality Results of the samples collected from the downstream location near Bremen
Sheyenne River Below Devils Lake Outlet Near Bremen

Date	Time	Sampler	USGS EC (µS/cm)	Lab pH	Lab Sulfate (mg/L)	7 Day Rolling Average of Sulfate for the operating period (mg/L)	Total Suspended Solids (mg/L)	No. of days included in the 7 day Rolling average
5/1/08	14:20	NDSWC	1540	8.52	429	427.57	-	7
5/2/08	9:30	NDSWC	1550	8.53	428	434.29	-	7
5/3/08	-	-	-	-	-	437.50	-	7
5/4/08	-	-	-	-	-	432.80	-	7
5/5/08	10:30	NDSWC	1550	8.61	428	428.00	-	7
5/6/08	8:20	NDSWC	1510	8.52	394	-	11	-
5/7/08	16:15	NDSWC	1510	8.5	386	-	-	-
5/8/08	9:30	NDSWC	1530	8.5	386	-	-	-
5/9/08	12:30	NDSWC	1550	8.51	391	-	-	-
5/10/08	-	-	-	-	-	-	-	-
5/11/08	-	-	-	-	-	-	-	-
5/12/08	13:00	NDSWC	1620	8.57	416	-	-	-
5/13/08	8:15	NDSWC	1630	8.55	414	-	7	-
5/14/08	16:00	NDSWC	1600	8.41	418	-	-	-
5/15/08	9:20	NDSWC	1610	8.41	419	-	-	-
5/16/08	9:30	NDSWC	1640	8.43	432	-	-	-
5/17/08	-	-	-	-	-	-	-	-
5/18/08	-	-	-	-	-	-	-	-
5/19/08	14:50	NDSWC	1730	8.54	478	-	-	-
5/20/08	10:30	NDSWC	1740	8.48	481	-	11	-
5/21/08	13:30	NDSWC	1750	8.4	479	-	-	-
5/22/08	9:00	NDSWC	1760	8.42	479	-	-	-
5/23/08	8:30	NDSWC	1750	8.43	475	-	-	-
5/24/08	-	-	-	-	-	-	-	-
5/25/08	-	-	-	-	-	-	-	-
5/26/08	-	-	-	-	-	-	-	-
5/27/08	9:10	NDSWC	1720	8.5	445	-	-	-
5/28/08	16:30	NDSWC	1720	8.54	443	-	-	-
5/29/08	10:15	NDSWC	1720	8.55	443	-	-	-
5/30/08	11:00	NDSWC	1640	8.44	421	-	-	-
5/31/08	-	-	-	-	-	-	-	-

Average daily streamflow and conductivity data at the downstream location near Bremen

USGS Gaging Station Data		
Sheyenne River Below Devils Lake		
Date May 2008	Streamflow (cfs)	EC (µS/cm)
1	89.88	1563.13
2	81.68	1579.79
3	58.39	1573.96
4	48.40	1580.83
5	34.28	1554.69
6	29.52	1503.33
7	25.64	1494.15
8	21.52	1530.10
9	21.85	1544.27
10	21.71	1557.19
11	14.93	1575.63
12	16.79	1591.67
13	22.33	1593.23
14	20.25	1596.04
15	20.56	1613.13
16	17.44	1635.00
17	14.98	1655.10
18	13.70	1692.81
19	18.78	1723.96
20	18.22	1742.71
21	17.42	1751.15
22	16.84	1757.29
23	15.51	1760.21
24	12.77	1761.77
25	11.99	1759.58
26	8.55	1735.21
27	5.86	1718.02
28	4.71	1715.31
29	4.08	1712.08
30	4.83	1687.72
31	5.81	1695.59
Average	23.20	1643.70
Maximum	89.88	1761.77
Minimum	4.08	1494.15