

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>

September 25, 2007

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 August 2007 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 is the table 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.

Sincerely,

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

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

1 / Month

Outlet General Summary

F- FINAL
MINOR

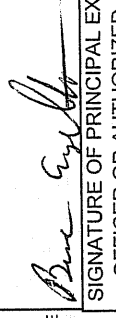
PERMITTEE NAME/ADDRESS
NAME: ND State Water Commission
ADDRESS: Bismarck ND 58506

001 A
OUTFALL NO.

MONITORING PERIOD
8/1/2007 TO 8/31/2007

FACILITY: Devils Lake Outlet Project
LOCATION: Benson Co, ND

NO DISCHARGE:

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH	MEASUREMENT	xxxxx	xxxxx	xxx	8.6	8.8	SU		Daily	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				7.0 (see Perm) MINIMUM	9.0 (See Perm) MAXIMUM	SU		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	MEASUREMENT	xxxxx	xxxxx	xxx		13.0	mg/L		Weekly	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					100 mg/l DAILY MAX	MG/L		Weekly	GRAB
SPECIFIC CONDUCTANCE	MEASUREMENT	xxxxx	xxxxx	xxx	1175	2682	umho/cm		Continuous	Recorder
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder
SULFATE	MEASUREMENT	xxxxx	xxxxx	xxx		745	mg/L		5 x Week	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	MEASUREMENT	2.94	19.27	cfs	xxxxx	xxxxx	xxx		Continuous	Recorder
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DA AVG	100 (see perm) DAILY MAX	cfs					Continuous	Recorder
FLOW, TOTAL	MEASUREMENT	xxxxx	58.83	MGAL	xxxxx	xxxxx	xxx		Continuous	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	xxxxx	REPORT 30 DA TOTAL	MGAL					Monthly	CALC
DURATION OF DISCHARGE	MEASUREMENT	xxxxx	xxxxx		xxxxx	11	Days		Monthly	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					REPORT MAXIMUM	DAYS		Monthly	CALC
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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 BELIEVE 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			TELEPHONE	DATE	
Bruce Engelhardt Head, Investigations Section					701-328-4958			9/25/2007		
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.

Table: Daily Outlet Discharge for the Month of August 2007

Date August 2007	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu- ft)
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	3.66	316522.49
10	14.30	1235434.38
11	11.08	957143.12
12	9.66	834793.93
13	17.03	1471136.08
14	19.27	1665165.54
15	6.50	561306.91
16	6.52	563563.11
17	2.95	254558.14
18	0.06	5592.30
19	0.00	167.35
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 7,865,383 cu-ft
 Total 58.83 Mgal
 Total 180.56 Ac-ft
 Average
 Flow 2.94 cfs

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

Date	Time	Sampler	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
8/1/2007	-	-	-	-	-	-	-	-
8/2/2007	-	-	-	-	-	-	-	-
8/3/2007	-	-	1483	-	-	-	-	-
8/4/2007	-	-	1606	-	-	-	-	-
8/5/2007	-	-	1175	-	-	-	-	-
8/6/2007	-	-	-	-	-	-	-	-
8/7/2007	-	-	-	-	-	-	-	-
8/8/2007	-	-	-	-	-	-	-	-
8/9/2007	9:45	NDSWC	1826	8.68	745	745.00	-	1
8/10/2007	9:30	NDSWC	1555	8.62	705	725.00	-	2
8/11/2007	-	-	1633	-	-	725.00	-	3
8/12/2007	-	-	1734	-	-	725.00	-	4
8/13/2007	8:30	NDSWC	1653	8.74	684	711.33	-	5
8/14/2007	9:30	NDSWC	1764	8.71	678	703.00	13	6
8/15/2007	9:15	NDSWC	1783	8.67	672	696.80	-	7
8/16/2007	11:55	NDSWC	1782	8.7	680	696.80	-	7
8/17/2007	16:30	NDSWC	1796	8.78	674	677.60	-	7
8/18/2007	-	-	1839	-	-	677.60	-	7
8/19/2007	-	-	1876	-	-	677.60	-	7
8/20/2007	-	-	1943	-	-	-	-	-
8/21/2007	-	-	2004	-	-	-	-	-
8/22/2007	-	-	2133	-	-	-	-	-
8/23/2007	-	-	2221	-	-	-	-	-
8/24/2007	-	-	2268	-	-	-	-	-
8/25/2007	-	-	2360	-	-	-	-	-
8/26/2007	-	-	2469	-	-	-	-	-
8/27/2007	-	-	2540	-	-	-	-	-
8/28/2007	-	-	2558	-	-	-	-	-
8/29/2007	-	-	2584	-	-	-	-	-
8/30/2007	-	-	2682	-	-	-	-	-
8/31/2007	-	-	2039	-	-	-	-	-

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)
DISCHARGE MONITORING REPORT (DMR)

NAME: ND State Water Commission
 ADDRESS: Bismarck ND 58506

NO DISCHARGE:

MONITORING PERIOD
 8/1/2007 TO 8/31/2007

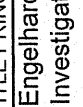
FACILITY: Devils Lake Outlet Project
 LOCATION: Benson Co, ND

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
pH	SAMPLE MEASUREMENT	xxxxx	xxxxx	7.7	8.7	SU	Daily	Grab
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM	SU	Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxxxx	61.5	78.0	mg/L	Weekly	Grab
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT DAILY MAX	MG/L	Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	xxxxx	xxxxx	863	1640	umho/cm	Continuous	Recorder
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM	umho/cm	Continuous	Recorder
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxxxx	365.5	317.8	mg/L	5 x Week	Grab
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAX 7 DAY AVG	MG/L	5 x Week	GRAB
FLOW, INSTREAM	SAMPLE MEASUREMENT	15.62	67.77	xxxxx	xxxxx	xxx	Continuous	Recorder
	PERMIT REQUIREMENT	REPORT 30 DA AVG	REPORT DAILY MAX				Continuous	Recorder
UPSTREAM	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT							

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 BELIEVE 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Bruce Engelhardt
 Head, Investigations Section

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


TELEPHONE
 701-328-4958

DATE
 9/25/2007

Table: 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
8/1/2007	7:20	NDSWC	1640	8.67	446	-	40	
8/2/2007	-	-	-	-	-	-	-	
8/3/2007	8:45	NDSWC	1630	8.69	464	-	-	
8/4/2007	-	-	-	-	-	-	-	
8/5/2007	-	-	-	-	-	-	-	
8/6/2007	12:00	NDSWC	863	7.88	234	-	-	
8/7/2007	10:00	NDSWC	1080	8.18	291	-	-	
8/8/2007	8:30	NDSWC	884	7.65	254	-	78	
8/9/2007	10:10	NDSWC	866	7.78	237	237	-	1
8/10/2007	10:00	NDSWC	908	7.78	249	243	-	2
8/11/2007	-	-	-	-	-	243	-	3
8/12/2007	-	-	-	-	-	243	-	4
8/13/2007	9:15	NDSWC	986	8.02	270	252	-	5
8/14/2007	10:15	NDSWC	1100	8.12	335	269	72	6
8/15/2007	9:35	NDSWC	1120	7.94	325	283.2	-	7
8/16/2007	12:15	NDSWC	1130	7.97	324	300.6	-	7
8/17/2007	16:20	NDSWC	1120	8.06	335	317.8	-	7
8/18/2007	-	-	-	-	-	317.8	-	7
8/19/2007	-	-	-	-	-	317.8	-	7
8/20/2007	11:20	NDSWC	1400	8.07	364	-	-	
8/21/2007	9:30	NDSWC	1060	8.1	375	-	69	
8/21/2007	9:30	USGS	1060	8.21	379	-	75	
8/22/2007	14:00	NDSWC	1380	8.15	397	-	-	
8/23/2007	10:10	NDSWC	1400	8.13	414	-	-	
8/24/2007	10:20	NDSWC	1440	8.17	428	-	-	
8/25/2007	-	-	-	-	-	-	-	
8/26/2007	-	-	-	-	-	-	-	
8/27/2007	10:15	NDSWC	1550	8.18	476	-	-	
8/28/2007	8:50	NDSWC	1570	8.35	488	-	35	
8/29/2007	-	-	-	-	-	-	-	
8/30/2007	10:15	NDSWC	1560	8.26	481	-	-	
8/31/2007	14:30	NDSWC	1550	8.3	475	-	-	

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

USGS Gaging Station Data		
Sheyenne River Above Devils Lake Outlet Near Flora		
Date August 2007	Streamflow (cfs)	EC (µS/cm)
1	1.87	1639.17
2	1.61	1632.40
3	2.68	1574.90
4	26.50	1212.73
5	14.04	836.18
6	15.92	857.66
7	33.79	1056.90
8	-	886.86
9	-	877.38
10	-	899.67
11	-	893.38
12	-	973.81
13	-	982.31
14	-	1093.54
15	67.77	1139.48
16	63.32	1142.50
17	53.00	1123.54
18	-	1120.83
19	-	1095.83
20	-	1063.38
21	7.15	1056.15
22	6.17	1414.79
23	5.21	1412.23
24	4.72	1446.35
25	4.21	1484.90
26	3.85	1524.79
27	3.44	1556.35
28	3.48	1575.42
29	3.32	1575.42
30	3.01	1566.04
31	2.91	1558.23
Average	15.62	1234.62
Maximum	67.77	1639.17
Minimum	1.61	836.18

PERMITTEE NAME/ADDRESS
ND State Water Commission

DISCHARGE MONITORING REPORT (DMR)

1 / Month

Downstream General Summary

F- FINAL
MINOR

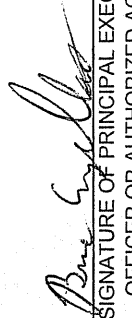
ADDRESS: Bismarck ND 58506

ND-0026247	001 A
PERMIT NUMBER	OUTFALL NO.

FACILITY: Devils Lake Outlet Project
LOCATION: Benson Co, ND

MONITORING PERIOD	
8/1/2007	TO 8/31/2007

NO DISCHARGE:

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH		xxxxx	xxxxx	xxx	8.1				Daily	Grab
DOWNSTREAM					REPORT MINIMUM	*****	REPORT MAXIMUM		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED		xxxxx	xxxxx	xxx			129.0	mg/L		
DOWNSTREAM					REPORT 30 DA AVG	*****	REPORT DAILY MAX	Mg/L	Weekly	GRAB
SPECIFIC CONDUCTANCE		xxxxx	xxxxx	xxx	986		1720	umho/cm	Continuous	Recorder
DOWNSTREAM					REPORT MINIMUM	*****	REPORT MAXIMUM	umho/cm	Continuous	Recorder
SULFATE		xxxxx	xxxxx	xxx			387.8	mg/L	5 x Week	Grab
DOWNSTREAM					*****		450 mg/l	Mg/L	5 x Week	GRAB
FLOW, INSTREAM		40.21	104.51		xxxxx		xxxxx	xxx	Continuous	Recorder
DOWNSTREAM		REPORT 30 DA AVG	600 (see perm) DAILY MAX	cfs					Continuous	Recorder
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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 BELIEVE 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			TELEPHONE	DATE	
Bruce Engelhardt Head, Investigations Section								701-328-4958	9/25/2007	
TYPED OR PRINTED								Number	Mo - Day - Year	

(Reference all attachments here)

COMMENT AND EXPLANATION OF ANY VIOLATIONS

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.

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

Date August 2007	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
1	0.00	3.53	-	505	3.53	-	450.00	-	-	-
2	0.00	5.59	-	-	5.59	-	-	-	-	-
3	0.00	4.55	-	527	4.55	-	450.00	-	-	-
4	0.00	5.25	-	-	5.25	-	-	-	-	-
5	0.00	32.84	-	-	32.84	-	-	-	-	-
6	0.00	49.88	-	409	49.88	-	450.00	-	-	-
7	0.00	52.91	-	432	52.91	-	450.00	-	-	-
8	0.00	77.99	-	408	77.99	-	450.00	-	-	-
9	3.66	76.25	745	247	72.58	221.86	300.00	300.00	247	1
10	14.30	66.53	705	263	52.23	141.98	300.00	300.00	255	2
11	11.08	75.15	-	-	64.07	-	-	300.00	255	3
12	9.66	72.64	-	-	62.98	-	-	300.00	255	4
13	17.03	80.60	684	345	63.57	254.20	300.00	300.00	285	5
14	19.27	101.84	678	358	82.57	283.31	325.80	306.45	303.25	6
15	6.50	104.51	672	407	98.02	389.44	447.85	334.73	324	7
16	6.52	87.96	680	395	81.43	372.17	428.00	360.33	353.6	7
17	2.95	72.91	674	434	69.96	423.89	450.00	390.33	387.8	7
18	0.06	60.60	-	-	60.54	-	-	390.33	387.8	7
19	0.00	49.60	-	-	49.59	-	-	390.33	387.8	7
20	0.00	44.02	-	432	44.02	-	-	-	-	-
21	0.00	23.77	-	393.5	23.77	-	-	-	-	-
22	0.00	21.36	-	410	21.36	-	-	-	-	-
23	0.00	16.54	-	411	16.54	-	-	-	-	-
24	0.00	13.27	-	401	13.27	-	-	-	-	-
25	0.00	10.30	-	-	10.30	-	-	-	-	-
26	0.00	8.00	-	-	8.00	-	-	-	-	-
27	0.00	7.20	-	419	7.20	-	-	-	-	-
28	0.00	6.71	-	421	6.71	-	-	-	-	-
29	0.00	5.73	-	-	5.73	-	-	-	-	-
30	0.00	4.56	-	419	4.56	-	-	-	-	-
31	0.00	4.00	-	417	4.00	-	-	-	-	-

Table: Water Quality Results of the samples collected from the downstream location near Bremen

Sheyenne River Above 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
8/1/2007	7:50	NDSWC	1670	8.58	505	-	115	
8/2/2007	-	-	-	-	-	-	-	
8/3/2007	9:30	NDSWC	1720	8.79	527	-	-	
8/4/2007	-	-	-	-	-	-	-	
8/5/2007	-	-	-	-	-	-	-	
8/6/2007	12:40	NDSWC	1580	8.69	409	-	-	
8/7/2007	9:30	NDSWC	1610	8.66	432	-	-	
8/8/2007	9:00	NDSWC	1480	8.57	408	-	82	
8/9/2007	10:45	NDSWC	986	8.2	247	247	-	1
8/10/2007	10:30	NDSWC	1030	8.18	263	255	-	2
8/11/2007	-	-	-	-	-	255	-	3
8/12/2007	-	-	-	-	-	255	-	4
8/13/2007	9:45	NDSWC	1140	8.08	345	285	-	5
8/14/2007	10:50	NDSWC	1160	8.19	358	303.25	58	6
8/15/2007	10:10	NDSWC	1320	8.11	407	324	-	7
8/16/2007	12:40	NDSWC	1240	8.28	395	353.6	-	7
8/17/2007	16:00	NDSWC	1170	8.37	434	387.8	-	7
8/18/2007	-	-	-	-	-	387.8	-	7
8/19/2007	-	-	-	-	-	387.8	-	7
8/20/2007	11:40	NDSWC	1200	8.2	432	-	-	
8/21/2007	10:35	NDSWC	-	8.17	393	-	95	
8/21/2007	10:35	USGS	-	8.3	394	-	86	
8/22/2007	13:35	NDSWC	-	8.27	410	-	-	
8/23/2007	10:40	NDSWC	Eqp	8.38	411	-	-	
8/24/2007	10:40	NDSWC	1380	8.32	401	-	-	
8/25/2007	-	-	-	-	-	-	-	
8/26/2007	-	-	-	-	-	-	-	
8/27/2007	10:35	NDSWC	1420	8.28	419	-	-	
8/28/2007	9:30	NDSWC	1430	8.34	421	-	129	
8/29/2007	-	-	-	-	-	-	-	
8/30/2007	10:50	NDSWC	1430	8.31	419	-	-	
8/31/2007	14:00	NDSWC	1440	8.34	417	-	-	

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

USGS Gaging Station Data		
Sheyenne River Below Devils Lake Outlet near Bremen		
Date August 2007	Streamflow (cfs)	EC (μS/cm)
1	3.53	1683.82
2	5.59	1711.38
3	4.55	1709.58
4	5.25	1615.11
5	32.84	1642.47
6	49.88	1574.29
7	52.91	1615.00
8	77.99	1424.86
9	76.25	985.92
10	66.53	1018.48
11	75.15	1053.08
12	72.64	965.95
13	80.60	1136.29
14	101.84	1172.59
15	104.51	1259.41
16	87.96	1243.73
17	72.91	1287.08
18	60.60	1241.83
19	49.60	1230.72
20	44.02	1177.80
21	23.77	-
22	21.36	-
23	16.54	1387.60
24	13.27	1382.58
25	10.30	1375.71
26	8.00	1392.60
27	7.20	1417.73
28	6.71	1430.34
29	5.73	1430.13
30	4.56	1432.29
31	4.00	1434.88
Average	40.21	1359.77
Maximum	104.51	1711.38
Minimum	3.53	965.95