

North Dakota State Water Commission

900 EAST BOULEVARD AVENUE, DEPT 770 • BISMARCK, NORTH DAKOTA 58505-0850
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August 29, 2008

North Dakota Department of Health
Division of Water Quality
918, East Divide Avenue
Bismarck, ND – 58501-1947

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

Enclosed are the Discharge Monitoring Reports (DMR) for the Devils Lake Outlet Project, permit number ND-0026247, for the month of July 2008 and the summaries of the sample results and flow data. Also enclosed is the Acute Toxicity Evaluation prepared by Ascii Corporation.

Effluent sample from the Devils Lake outlet for the Acute Toxicity Evaluation was collected on July 1st 2008. The report indicates that the sample passed the Acute Toxicity Evaluation test for *Pimephales promelas* (Fathead minnow). Acute toxicity to *Ceriodaphnia* could not be determined due to poor lab control survival generating an invalid test. The outlet did not discharge water from July 4th until August 24th. Samples were taken on August 25th and are being evaluated for acute toxicity to *Ceriodaphnia* and the results will be provided with the August DMR.

The days the outlet discharged are highlighted in yellow in the summaries. Attached to the summaries are the tables showing average daily outlet discharge, target and measured sulfate concentration at Bremen, 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
 ND State Water Commission
 Bismarck ND 58506

1 / Month
 Outlet General Summary
 F- FINAL
 MINOR

DISCHARGE MONITORING REPORT (DMR)

ND-0026247	001 A
PERMIT NUMBER	OUTFALL NO.

MONITORING PERIOD	7/1/08 TO 7/31/08
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NO DISCHARGE:

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	xxxxx	xxxxx	xxx	8.5			Daily	Grab
EFFLUENT GROSS VALUE				7.0 (see Perm) MINIMUM	9.0 (See Perm) MAXIMUM		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	xxxxx	xxxxx	xxx				Weekly	Grab
EFFLUENT GROSS VALUE				xxxxx	ND		Weekly	GRAB
SPECIFIC CONDUCTANCE	xxxxx	xxxxx	xxx	788.03	2091.54		Continuous	Recorder
EFFLUENT GROSS VALUE				REPORT MINIMUM	REPORT MAXIMUM		Continuous	Recorder
SULFATE	xxxxx	xxxxx	xxx		874.75		5 x Week	Grab
EFFLUENT GROSS VALUE				xxxxx	REPORT MAX 7 DAY AVG		5 x Week	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	4.63	7.04	cfs	xxxxx	xxxxx		Continuous	Recorder
EFFLUENT GROSS VALUE				REPORT 30 DA AVG	REPORT 30 DA AVG		Continuous	Recorder
FLOW, TOTAL	xxxxx	11.96	MGAL	xxxxx	xxxxx		Continuous	Calc
EFFLUENT GROSS VALUE				REPORT 30 DA TOTAL			Monthly	GALC
DURATION OF DISCHARGE	xxxxx	xxxxx		xxxxx	4		Monthly	Calc
EFFLUENT GROSS VALUE				xxxxx	REPORT MAXIMUM		Monthly	GALC
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE		
Bruce Engelhardt			701-328-4958			8/29/08		
Head, Investigations Section			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			Mo - Day - Year		
TYPED OR PRINTED			Number					

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 July 2008

Date	Average Daily Outlet Discharge	Total Daily Volume (cu-ft)	
7/1/08	4.08	352184	
7/2/08	7.04	608499	
7/3/08	5.69	491830	
7/4/08	1.70	146729	
7/5/08	0.00	0	
7/6/08	0.00	0	
7/7/08	0.00	0	
7/8/08	0.00	0	
7/9/08	0.00	0	
7/10/08	0.00	0	
7/11/08	0.00	0	
7/12/08	0.00	0	
7/13/08	0.00	0	
7/14/08	0.00	0	
7/15/08	0.00	0	
7/16/08	0.00	0	
7/17/08	0.00	0	
7/18/08	0.00	0	
7/19/08	0.00	0	
7/20/08	0.00	0	
7/21/08	0.00	0	
7/22/08	0.00	0	
7/23/08	0.00	0	
7/24/08	0.00	0	
7/25/08	0.00	0	
7/26/08	0.00	0	
7/27/08	0.00	0	
7/28/08	0.00	0	
7/29/08	0.00	0	
7/30/08	0.00	0	
7/31/08	0.00	0	
Total		1,599,242	cu-ft
Total		11.96	Mgal
Total		36.71	Ac-ft
Average Flow	4.63		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
7/1/08	8:50	NDSWC	2,084.65	8.57	742	874.75	ND	5
7/2/08	10:00	NDSWC	2,091.54	8.54	733	846.40	-	6
7/3/08	10:15	NDSWC	2,091.38	8.55	752	830.67	-	7
7/4/08	7:00	NDSWC	788.03	8.45	746	824.83	-	7
7/5/08	-	-	-	-	-	-	-	-
7/6/08	-	-	-	-	-	-	-	-
7/7/08	-	-	-	-	-	-	-	-
7/8/08	-	-	-	-	-	-	-	-
7/9/08	-	-	-	-	-	-	-	-
7/10/08	-	-	-	-	-	-	-	-
7/11/08	-	-	-	-	-	-	-	-
7/12/08	-	-	-	-	-	-	-	-
7/13/08	-	-	-	-	-	-	-	-
7/14/08	-	-	-	-	-	-	-	-
7/15/08	-	-	-	-	-	-	-	-
7/16/08	-	-	-	-	-	-	-	-
7/17/08	-	-	-	-	-	-	-	-
7/18/08	-	-	-	-	-	-	-	-
7/19/08	-	-	-	-	-	-	-	-
7/20/08	-	-	-	-	-	-	-	-
7/21/08	-	-	-	-	-	-	-	-
7/22/08	-	-	-	-	-	-	-	-
7/23/08	-	-	-	-	-	-	-	-
7/24/08	-	-	-	-	-	-	-	-
7/25/08	-	-	-	-	-	-	-	-
7/26/08	-	-	-	-	-	-	-	-
7/27/08	-	-	-	-	-	-	-	-
7/28/08	-	-	-	-	-	-	-	-
7/29/08	-	-	-	-	-	-	-	-
7/30/08	-	-	-	-	-	-	-	-
7/31/08	-	-	-	-	-	-	-	-

ND - Not Detected

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

1 / Month
Upstream General Summary
F- FINAL
MINOR

DISCHARGE MONITORING REPORT (DMR)

ND-0026247
PERMIT NUMBER
001 A
OUTFALL NO.

MONITORING PERIOD
7/1/08 TO 7/31/08

NO DISCHARGE:

PERMITTEE NAME/ADDRESS
ND State Water Commission
Bismarck ND 58506

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

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT	xxxxx	xxxxx	xxx	8.2	8.3	SU		Daily	Grab	
UPSTREAM					REPORT MINIMUM	REPORT MAXIMUM	SU		Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT PERMIT REQUIREMENT	xxxxx	xxxxx	xxx	ND	ND	mg/L		Weekly	Grab	
UPSTREAM					REPORT MINIMUM	REPORT DAILY MAX	MG/L		Weekly	GRAB	
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	xxxxx	xxxxx	xxx	1360	1500	umho/cm		Continuous	Recorder	
UPSTREAM					REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	xxxxx	xxxxx	xxx	360.25	352.67	mg/L		5 x Week	Grab	
UPSTREAM					REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	15.65	17.96	cfs	xxxxx	xxxxx	xxx		Continuous	Recorder	
UPSTREAM		REPORT 30 DA AVG	REPORT DAILY MAX	cfs					Continuous	Recorder	
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE			DATE						
Bruce Engelhardt Head, Investigations Section		701-328-4958			8/29/08						
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			Number			Mo - Day - Year			

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.

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 (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
7/1/08	9:20	NDSWC	1360	8.25	345	333.25	ND	5
7/2/08	9:50	NDSWC	1380	8.22	348	336.20	-	6
7/3/08	10:00	NDSWC	1470	8.28	367	341.33	-	7
7/4/08	7:18	NDSWC	1500	8.33	381	352.67	-	7
7/5/08	-	-	-	-	-	-	-	-
7/6/08	-	-	-	-	-	-	-	-
7/7/08	14:00	NDSWC	1620	8.51	414	-	-	-
7/8/08	8:10	NDSWC	1610	8.44	406	-	22	-
7/9/08	10:45	NDSWC	1630	8.49	421	-	-	-
7/10/08	11:30	NDSWC	1630	8.42	416	-	-	-
7/11/08	9:45	NDSWC	1620	8.44	434	-	-	-
7/12/08	-	-	-	-	-	-	-	-
7/13/08	-	-	-	-	-	-	-	-
7/14/08	11:00	NDSWC	1500	8.45	448	-	-	-
7/15/08	8:45	NDSWC	1670	8.45	448	-	26	-
7/16/08	8:20	NDSWC	1690	8.34	437	-	-	-
7/17/08	9:55	NDSWC	1690	8.28	439	-	-	-
7/18/08	15:00	NDSWC	1660	8.33	442	-	-	-
7/19/08	-	-	-	-	-	-	-	-
7/20/08	-	-	-	-	-	-	-	-
7/21/08	13:00	NDSWC	1640	8.2	468	-	-	-
7/22/08	7:50	NDSWC	1700	8.24	459	-	22	-
7/23/08	16:00	NDSWC	1660	8.29	435	-	-	-
7/24/08	14:30	NDSWC	1660	8.28	437	-	-	-
7/25/08	9:40	NDSWC	1670	8.2	440	-	-	-
7/26/08	-	-	-	-	-	-	-	-
7/27/08	-	-	-	-	-	-	-	-
7/28/08	15:30	NDSWC	1620	8.16	444	-	-	-
7/29/08	8:30	NDSWC	1660	8.16	444	-	43	-
7/30/08	17:00	NDSWC	1650	8.13	436	-	-	-
7/31/08	14:00	NDSWC	1610	8.14	437	-	-	-

ND - Not Detected

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

USGS Gaging Station Data		
Sheyenne River Above Devils Lake Outlet		
Date	Streamflow (cfs)	EC (µS/cm)
7/1/08	17.96	1358.53
7/2/08	16.49	1396.35
7/3/08	15.11	1471.46
7/4/08	13.02	1523.33
7/5/08	11.42	1556.98
7/6/08	9.68	1587.60
7/7/08	9.61	1618.54
7/8/08	9.69	1616.98
7/9/08	8.80	1638.75
7/10/08	9.09	1572.60
7/11/08	7.81	1633.02
7/12/08	7.31	1669.90
7/13/08	5.85	1675.00
7/14/08	5.13	1609.78
7/15/08	4.43	1676.88
7/16/08	4.36	1688.13
7/17/08	4.08	1673.02
7/18/08	3.99	1675.31
7/19/08	3.92	1699.90
7/20/08	5.84	1667.29
7/21/08	6.24	1645.63
7/22/08	7.69	1710.10
7/23/08	6.54	1695.58
7/24/08	5.88	1663.02
7/25/08	5.93	1675.10
7/26/08	5.37	1663.33
7/27/08	4.39	1649.48
7/28/08	4.08	1640.83
7/29/08	3.98	1648.85
7/30/08	3.82	1646.88
7/31/08	3.74	1618.44
Average	15.65	1437.42
Maximum	17.96	1523.33
Minimum	13.02	1358.53

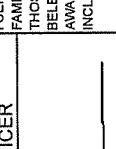
001 A
 OUTFALL NO.

ND-0026247
 PERMIT NUMBER

MONITORING PERIOD
 7/1/08 TO 7/31/08

NO DISCHARGE:

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

PARAMETER	QUALITY OR CONCENTRATION	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS		
pH	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	7.9		SU		Daily	Grab			
DOWNSTREAM	PERMIT REQUIREMENT				REPORT MINIMUM	REPORT MAXIMUM	SU		Weekly	GRAB			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		10.0	mg/L						
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT				*****	REPORT DAILY MAX	MG/L		Weekly	GRAB			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT DAILY MAX	MG/L		Weekly	GRAB			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx	1310	1380	umho/cm		Continuous	Recorder			
SPECIFIC CONDUCTANCE	PERMIT REQUIREMENT				REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT DAILY MAX	MG/L		5 x Week	Grab			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx		424.5	mg/L						
SULFATE	PERMIT REQUIREMENT				*****	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT MAX 7 DAY AVG	MG/L		Continuous	Recorder			
	SAMPLE MEASUREMENT	52.34	67.88		xxxxx	xxxxx	xxx		Continuous	Recorder			
FLOW, INSTREAM	PERMIT REQUIREMENT				REPORT 30 DA AVG	REPORT 30 DA AVG	MG/L		Continuous	Recorder			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT DAILY MAX	cfs		Continuous	Recorder			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
DOWNSTREAM	PERMIT REQUIREMENT				*****	REPORT DAILY MAX	cfs		Continuous	Recorder			
	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxx									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bruce Engelhardt Head, Investigations Section TYPED OR PRINTED										TELEPHONE 701-328-4958		DATE 8/29/08	
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.										SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		Mo - Day - Year 8/29/08	

Target and measured sulfate at downstream location (Bremen)

Date	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
7/1/08	4.08	67.88	742	341	63.80	315.38	362.69	373.36	350.00	5
7/2/08	7.04	52.27	733	414	45.23	364.33	418.98	382.49	362.80	6
7/3/08	5.69	47.42	752	448	41.72	406.52	450.00	393.74	377.00	7
7/4/08	1.70	41.81	746	495	40.11	484.37	450.00	398.89	396.83	7
7/5/08	0.00	37.63		-	37.63	-	-	-	-	-
7/6/08	0.00	33.63		-	33.63	-	-	-	-	-
7/7/08	0.00	28.87		434	28.87	434.00	450.00	-	-	-
7/8/08	0.00	28.59		455	28.59	455.00	450.00	-	-	-
7/9/08	0.00	24.11		452	24.11	452.00	450.00	-	-	-
7/10/08	0.00	22.17		433	22.17	433.00	450.00	-	-	-
7/11/08	0.00	22.26		443	22.26	443.00	450.00	-	-	-
7/12/08	0.00	18.36		-	18.36	-	-	-	-	-
7/13/08	0.00	11.16		-	11.16	-	-	-	-	-
7/14/08	0.00	5.36		444	5.36	444.00	450.00	-	-	-
7/15/08	0.00	4.28		440	4.28	440.00	450.00	-	-	-
7/16/08	0.00	3.26		425	3.26	425.00	450.00	-	-	-
7/17/08	0.00	2.32		425	2.32	425.00	450.00	-	-	-
7/18/08	0.00	1.68		428	1.68	428.00	450.00	-	-	-
7/19/08	0.00	1.02		-	1.02	-	-	-	-	-
7/20/08	0.00	3.04		-	3.04	-	-	-	-	-
7/21/08	0.00	3.12		423	3.12	423.00	450.00	-	-	-
7/22/08	0.00	4.68		427	4.68	427.00	450.00	-	-	-
7/23/08	0.00	5.71		446	5.71	446.00	450.00	-	-	-
7/24/08	0.00	7.75		444	7.75	444.00	450.00	-	-	-
7/25/08	0.00	7.76		451	7.76	451.00	450.00	-	-	-
7/26/08	0.00	5.93		-	5.93	-	-	-	-	-
7/27/08	0.00	5.12		-	5.12	-	-	-	-	-
7/28/08	0.00	5.60		447	5.60	447.00	450.00	-	-	-
7/29/08	0.00	5.78		448	5.78	448.00	450.00	-	-	-
7/30/08	0.00	5.12		500	5.12	500.00	450.00	-	-	-
7/31/08	0.00	5.21		508	5.21	508.00	450.00	-	-	-

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 ($\mu\text{S}/\text{cm}$)	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
7/1/08	9:50	NDSWC	1310	8.15	341	350.00	10	5
7/2/08	9:20	NDSWC	1320	7.86	414	362.80	-	6
7/3/08	9:40	NDSWC	1360	8.03	448	377.00	-	7
7/4/08	7:50	NDSWC	1380	8.1	495	396.83	-	7
7/5/08	-	-	-	-	-	-	-	-
7/6/08	-	-	-	-	-	-	-	-
7/7/08	14:30	NDSWC	1500	8.35	434	-	-	-
7/8/08	8:45	NDSWC	1510	8.19	455	-	12	-
7/9/08	10:10	NDSWC	1530	8.33	452	-	-	-
7/10/08	11:00	NDSWC	1560	8.32	433	-	-	-
7/11/08	10:30	NDSWC	1560	8.33	443	-	-	-
7/12/08	-	-	-	-	-	-	-	-
7/13/08	-	-	-	-	-	-	-	-
7/14/08	12:15	NDSWC	1580	8.56	444	-	-	-
7/15/08	9:30	NDSWC	1580	8.42	440	-	16	-
7/16/08	8:45	NDSWC	1590	8.32	425	-	-	-
7/17/08	10:20	NDSWC	1590	8.32	425	-	-	-
7/18/08	15:30	NDSWC	1610	8.5	428	-	-	-
7/19/08	-	-	-	-	-	-	-	-
7/20/08	-	-	-	-	-	-	-	-
7/21/08	12:30	NDSWC	1620	8.39	423	-	-	-
7/22/08	8:30	NDSWC	1610	8.3	427	-	32	-
7/23/08	15:30	NDSWC	1650	8.45	446	-	-	-
7/24/08	14:00	NDSWC	1660	8.42	444	-	-	-
7/25/08	10:10	NDSWC	1670	8.36	451	-	-	-
7/26/08	-	-	-	-	-	-	-	-
7/27/08	-	-	-	-	-	-	-	-
7/28/08	15:00	NDSWC	1670	8.21	447	-	-	-
7/29/08	9:15	NDSWC	1660	8.21	448	-	72	-
7/30/08	16:30	NDSWC	1710	8.07	471	-	-	-
7/31/08	13:30	NDSWC	1710	8.1	474	-	-	-

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

USGS Gaging Station Data		
Sheyenne River Below Devils Lake Outlet		
Date	Streamflow (cfs)	EC (µS/cm)
7/1/08	67.88	1297.54
7/2/08	52.27	1315.00
7/3/08	47.42	1329.47
7/4/08	41.81	1340.32
7/5/08	37.63	1364.32
7/6/08	33.63	1371.54
7/7/08	28.87	1491.68
7/8/08	28.59	1517.92
7/9/08	24.11	1536.25
7/10/08	22.17	1567.29
7/11/08	22.26	1562.60
7/12/08	18.36	1557.68
7/13/08	11.16	1575.94
7/14/08	5.36	1584.84
7/15/08	4.28	1585.78
7/16/08	3.26	1592.99
7/17/08	2.32	1594.72
7/18/08	1.68	1605.00
7/19/08	1.02	1616.75
7/20/08	3.04	1614.79
7/21/08	3.12	1616.04
7/22/08	4.68	1641.21
7/23/08	5.71	1663.33
7/24/08	7.75	1666.77
7/25/08	7.76	1678.75
7/26/08	5.93	1676.35
7/27/08	5.12	1705.73
7/28/08	5.60	1699.17
7/29/08	5.78	1687.60
7/30/08	5.12	1705.21
7/31/08	5.21	1714.48
Average	52.34	1320.58
Maximum	67.88	1340.32
Minimum	41.81	1297.54

