

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>

November 24, 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 October 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, 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.

Sincerely,

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

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
 Outlet General Summary
 F- FINAL
 MINOR

ND-0026247
 PERMIT NUMBER

001 A
 OUTFALL NO.

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

MONITORING PERIOD
 10/1/08 TO 10/31/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
pH	SAMPLE MEASUREMENT	xxxxx	xxx	8.3			Daily	Grab
	PERMIT REQUIREMENT			7.0 (see Perm) MINIMUM	8.8			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	xxxxx	xxx				Weekly	GRAB
	PERMIT REQUIREMENT				9.0 (See Perm) MAXIMUM			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxx				Weekly	Grab
	PERMIT REQUIREMENT				7.0			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	xxxxx	xxx				Weekly	GRAB
	PERMIT REQUIREMENT				100 mg/l DAILY MAX			
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	xxxxx	xxx	1947.39	2093.5		Continuous	Recorder
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM		Continuous	Recorder
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	xxxxx	xxx				5 x Week	Grab
	PERMIT REQUIREMENT				664.06			
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxx				5 x Week	GRAB
	PERMIT REQUIREMENT				REPORT MAX 7 DAY AVG			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	9.02	15	xxxxx	xxxxx		Continuous	Recorder
	PERMIT REQUIREMENT	REPORT 30 DA AVG	100 (see perm) DAILY MAX				Continuous	Recorder
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	xxxxx	MGAL	xxxxx	xxxxx		Continuous	Calc
	PERMIT REQUIREMENT	REPORT 30 DA TOTAL	REPORT 30 DA TOTAL				Monthly	CALC
DURATION OF DISCHARGE	SAMPLE MEASUREMENT	xxxxx	xxxxx	xxxxx	22		Monthly	Calc
	PERMIT REQUIREMENT				REPORT MAXIMUM		Monthly	CALC
EFFLUENT GROSS VALUE	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	11/24/08
TYPED OR PRINTED								

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.

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 ND - Not Detected

PAGE 1 OF 3

Daily Outlet Discharge for the Month of October 2008

Date	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu-ft)
10/1/08	5.16	446,247
10/2/08	2.31	199,555
10/3/08	1.10	94,783
10/4/08	0.07	6,079
10/5/08	0.00	0
10/6/08	0.00	0
10/7/08	0.00	0
10/8/08	0.00	0
10/9/08	0.00	0
10/10/08	0.00	0
10/11/08	0.00	0
10/12/08	0.00	0
10/13/08	0.00	0
10/14/08	0.39	33,498
10/15/08	10.33	892,367
10/16/08	13.44	1,161,318
10/17/08	12.84	1,109,396
10/18/08	15.00	1,295,682
10/19/08	12.09	1,044,762
10/20/08	10.85	937,475
10/21/08	10.97	947,952
10/22/08	9.43	814,569
10/23/08	11.61	1,002,981
10/24/08	10.57	913,050
10/25/08	12.58	1,086,777
10/26/08	12.41	1,071,943
10/27/08	10.23	883,841
10/28/08	10.14	876,257
10/29/08	8.07	697,432
10/30/08	10.09	872,036
10/31/08	8.85	764,391

Total		17,152,392	cu-ft
Total		128.30	Mgal
Total		393.76	Ac-ft
Average Flow	9.02	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
10/1/2008	8:30	NDSWC	2,060.33	8.72	676	676.80	ND	7
10/2/2008	12:40	NDSWC	2,047.77	8.53	682	677.80	-	7
10/3/2008	12:30	NDSWC	2,059.72	8.62	683	683.00	-	7
10/4/2008	-	-	2,093.50	-	-	683.00	-	7
10/5/08	-	-	2,191.31	-	-	-	-	-
10/6/08	-	-	1,846.52	-	-	-	-	-
10/7/08	-	-	1,950.01	-	-	-	-	-
10/8/08	-	-	2,120.97	-	-	-	-	-
10/9/08	-	-	2,403.20	-	-	-	-	-
10/10/08	-	-	2,583.98	-	-	-	-	-
10/11/08	-	-	2,696.63	-	-	-	-	-
10/12/08	-	-	1,488.29	-	-	-	-	-
10/13/08	-	-	1,583.93	-	-	-	-	-
10/14/2008	12:25	NDSWC	1,947.39	8.28	772	772.00	-	1
10/15/2008	8:15	NDSWC	1,996.79	8.64	630	701.00	ND	2
10/16/2008	14:00	NDSWC	2,019.25	8.63	653	685.00	-	3
10/17/2008	14:15	NDSWC	2,034.72	8.61	651	676.50	-	4
10/18/2008	-	-	2,031.59	-	-	676.50	-	5
10/19/2008	-	-	2,028.70	-	-	676.50	-	6
10/20/2008	14:00	NDSWC	2,035.47	8.78	658	672.80	-	7
10/21/2008	10:00	NDSWC	2,021.37	8.73	656	649.60	-	7
10/22/2008	8:30	NDSWC	1,993.03	8.65	636	650.80	7	7
10/23/2008	16:00	NDSWC	1,998.65	8.72	645	649.20	-	7
10/24/2008	9:15	NDSWC	2,029.58	8.64	651	649.20	-	7
10/25/2008	-	-	2,036.61	-	-	649.20	-	7
10/26/2008	-	-	2,041.14	-	-	649.20	-	7
10/27/2008	10:30	NDSWC	2,051.97	8.64	658	649.20	-	7
10/28/2008	11:20	NDSWC	2,051.70	8.71	660	650.00	-	7
10/29/2008	8:15	NDSWC	2,054.09	8.62	655	653.80	ND	7
10/30/2008	8:30	NDSWC	2,057.89	8.53	660	656.80	-	7
10/31/2008	8:00	NDSWC	2,064.59	8.52	663	659.20	-	7

ND - Not Detected

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

1 / Month
 Upstream General Summary
 F- FINAL
 MINOR

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506


ND-0026247
 PERMIT NUMBER

001 A
 OUTFALL NO.

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

MONITORING PERIOD
 10/1/08 TO 10/31/08

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	xxx	8.2		8.4	SU	Daily	Grab	
	PERMIT REQUIREMENT			REPORT MINIMUM	*****	REPORT MAXIMUM	SU	Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxx		12.5	17.0	mg/L	Weekly	Grab	
	PERMIT REQUIREMENT			*****	REPORT 30 DA AVG	REPORT DAILY MAX	MG/L	Weekly	GRAB	
UPSTREAM	SAMPLE MEASUREMENT	xxxxx	xxx	1160		1440	umho/cm	Continuous	Recorder	
	PERMIT REQUIREMENT			REPORT MINIMUM	*****	REPORT MAXIMUM	umho/cm	Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT	xxxxx	xxx		349.12	375.4	mg/L	5 x Week	Grab	
	PERMIT REQUIREMENT			*****	REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L	5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT	63.64	104 cfs	xxxxx	xxxxx	xxxxx	xxx	Continuous	Recorder	
	PERMIT REQUIREMENT	REPORT 30 DA AVG	REPORT DAILY MAX					Continuous	Recorder	
UPSTREAM	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	COMMENT AND EXPLANATION OF ANY VIOLATIONS		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE	
	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.		 Bruce Engelhardt Head, Investigations Section				701-328-4958		11/24/08	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				Number		Mo - Day - Year		

(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.

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ND - Not Detected

**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
10/1/08	9:30	NDSWC	1160	8.17	284	259.40	17	7
10/2/08	12:30	NDSWC	1220	8.16	305	274.20	-	7
10/3/08	12:20	NDSWC	1270	8.19	323	296.20	-	7
10/4/08	-	-	-	-	-	296.20	-	7
10/5/08	-	-	-	-	-	-	-	-
10/6/08	13:20	NDSWC	1340	8.24	348	-	-	-
10/7/08	8:10	NDSWC	1360	8.26	360	-	12	-
10/8/08	16:30	NDSWC	1450	8.34	407	-	-	-
10/9/08	10:30	NDSWC	1460	8.36	408	-	-	-
10/10/08	9:15	NDSWC	1430	8.36	383	-	-	-
10/11/08	-	-	-	-	-	-	-	-
10/12/08	-	-	-	-	-	-	-	-
10/13/08	15:30	NDSWC	1300	8.15	344	-	-	-
10/14/08	12:15	NDSWC	1180	8.15	344	344.00	-	1
10/15/08	8:30	NDSWC	1260	8.2	374	359.00	13	2
10/16/08	13:50	NDSWC	1300	8.18	387	368.33	-	3
10/17/08	14:00	NDSWC	1280	8.2	388	373.25	-	4
10/18/08	-	-	-	-	-	373.25	-	5
10/19/08	-	-	-	-	-	373.25	-	6
10/20/08	14:30	NDSWC	1280	8.31	321	362.80	-	7
10/21/08	10:20	NDSWC	1300	8.34	323	358.60	-	7
10/22/08	8:30	NDSWC	1300	8.34	320	347.80	11	7
10/23/08	15:40	NDSWC	1320	8.28	333	337.00	-	7
10/24/08	9:30	NDSWC	1360	8.3	356	330.60	-	7
10/25/08	-	-	-	-	-	330.60	-	7
10/26/08	-	-	-	-	-	330.60	-	7
10/27/08	10:20	NDSWC	1420	8.39	376	341.60	-	7
10/28/08	11:00	NDSWC	1440	8.39	377	352.40	-	7
10/29/08	-	NDSWC	-	8.33	368	362.00	9	7
10/30/08	9:00	NDSWC	1430	8.28	376	370.60	-	7
10/31/08	8:30	NDSWC	1440	8.32	380	375.40	-	7

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

USGS Gaging Station Data		
Sheyenne River Above Devils Lake		
Date	Streamflow (cfs)	EC (µS/cm)
10/1/08	30	1170
10/2/08	23	1220
10/3/08	19	1270
10/4/08	19	1310
10/5/08	17	1340
10/6/08	19	1340
10/7/08	22	1380
10/8/08	21	1440
10/9/08	21	1460
10/10/08	20	1440
10/11/08	20	1470
10/12/08	38	1390
10/13/08	97	1310
10/14/08	104	1190
10/15/08	97	1250
10/16/08	92	1290
10/17/08	90	1280
10/18/08	85	1250
10/19/08	73	1260
10/20/08	66	1280
10/21/08	61	1300
10/22/08	70	1310
10/23/08	78	1330
10/24/08	78	1380
10/25/08	77	1410
10/26/08	73	1410
10/27/08	64	1420
10/28/08	57	1440
10/29/08	52	1420
10/30/08	48	1430
10/31/08	44	1440
Average	63.64	1320.91
Maximum	104.00	1440.00
Minimum	19.00	1170.00

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506

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

1 / Month
 Downstream General Summary
 F- FINAL
 MINOR

ND-0026247
 PERMIT NUMBER

001 A
 OUTFALL NO.

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

MONITORING PERIOD
 10/1/08 TO 10/31/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
pH	SAMPLE MEASUREMENT	xxxxx	xxx	8.1	8.4		Daily	Grab
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM		Weekly	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	xxxxx	xxx	18.0	26.0			
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT DAILY MAX		Weekly	GRAB
DOWNSTREAM	SAMPLE MEASUREMENT	xxxxx	xxx	1200	1590		Continuous	Recorder
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM		Continuous	Recorder
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	xxxxx	xxx	394.41	435.86		5 x Week	Grab
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM		5 x Week	GRAB
SULFATE	SAMPLE MEASUREMENT	103.23	164	xxxxx	xxxxx		Continuous	Recorder
	PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX				Continuous	Recorder
DOWNSTREAM	SAMPLE MEASUREMENT	xxxxx	xxx	xxxxx	xxxxx			
	PERMIT REQUIREMENT							
FLOW, INSTREAM	SAMPLE MEASUREMENT	103.23	164	xxxxx	xxxxx		Continuous	Recorder
	PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX				Continuous	Recorder
DOWNSTREAM	SAMPLE MEASUREMENT	xxxxx	xxx	xxxxx	xxxxx			
	PERMIT REQUIREMENT							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE				
Bruce Engelhardt		701-328-4958		11/24/08				
Head, Investigations Section		Number		Mo - Day - Year				
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						

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.

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
10/1/08	5.16	72	676	343	66.84	317.27	364.86	364.51	315.20	7
10/2/08	2.31	60	682	317	57.69	302.39	347.75	374.06	338.80	7
10/3/08	1.10	48	683	357	46.90	349.38	401.78	394.41	362.00	7
10/4/08	0.07	40	-	-	39.93	-	-	394.41	362.00	7
10/5/08	0.00	37	-	-	37.00	-	-	-	-	-
10/6/08	0.00	38	-	357	38.00	-	-	-	-	-
10/7/08	0.00	35	-	372	35.00	-	-	-	-	-
10/8/08	0.00	34	-	368	34.00	-	-	-	-	-
10/9/08	0.00	30	-	369	30.00	-	-	-	-	-
10/10/08	0.00	31	-	393	31.00	-	-	-	-	-
10/11/08	0.00	33	-	-	33.00	-	-	-	-	-
10/12/08	0.00	49	-	-	49.00	-	-	-	-	-
10/13/08	0.00	78	-	413	78.00	-	-	-	-	-
10/14/08	0.39	130	772	413	129.61	411.93	450.00	450.00	413.00	1
10/15/08	10.33	164	630	380	153.67	363.20	417.68	433.84	396.50	2
10/16/08	13.44	163	653	390	149.56	366.36	421.32	429.67	394.33	3
10/17/08	12.84	149	651	391	136.16	366.48	421.45	427.61	393.50	4
10/18/08	15.00	135	-	-	120.00	-	-	427.61	393.50	5
10/19/08	12.09	126	-	-	113.91	-	-	427.61	393.50	6
10/20/08	10.85	111	658	400	100.15	372.05	427.85	427.66	394.80	7
10/21/08	10.97	100	656	381	89.03	347.11	399.18	417.50	388.40	7
10/22/08	9.43	105	636	385	95.57	360.24	414.28	416.82	389.40	7
10/23/08	11.61	105	645	384	93.39	351.56	404.29	413.41	388.20	7
10/24/08	10.57	112	651	385	101.43	357.29	410.88	411.30	387.00	7
10/25/08	12.58	113	-	-	100.42	-	-	411.30	387.00	7
10/26/08	12.41	110	-	-	97.59	-	-	411.30	387.00	7
10/27/08	10.23	99	658	434	88.77	408.19	450.00	415.72	393.80	7
10/28/08	10.14	93	660	426	82.86	397.36	450.00	425.89	402.80	7
10/29/08	8.07	85	655	435	76.93	411.92	450.00	433.03	412.80	7
10/30/08	10.09	78	660	443	67.91	410.75	450.00	442.18	424.60	7
10/31/08	8.85	73	663	441	64.15	410.38	450.00	450.00	435.80	7

**Water Quality Results of the samples collected from the downstream location near Bremen
Shenoyne 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
10/1/08	9:45	NDSWC	1230	8.11	343	315.20	23	7
10/2/08	12:00	NDSWC	1200	8.13	317	338.80	-	7
10/3/08	12:00	NDSWC	1320	8.2	357	362.00	-	7
10/4/08	-	-	-	-	-	362.00	-	7
10/5/08	-	-	-	-	-	-	-	-
10/6/08	12:50	NDSWC	1340	8.29	357	-	-	-
10/7/08	8:45	NDSWC	1380	8.31	372	-	18	-
10/8/08	16:00	NDSWC	1380	8.47	368	-	-	-
10/9/08	10:50	NDSWC	1400	8.42	369	-	-	-
10/10/08	9:40	NDSWC	1450	8.41	393	-	-	-
10/11/08	-	-	-	-	-	-	-	-
10/12/08	-	-	-	-	-	-	-	-
10/13/08	15:00	NDSWC	1370	8.27	413	-	-	-
10/14/08	11:45	NDSWC	1430	8.26	413	413.00	-	1
10/15/08	9:00	NDSWC	1320	8.25	380	396.50	15	2
10/16/08	13:25	NDSWC	1330	8.22	390	394.33	-	3
10/17/08	13:30	NDSWC	1400	8.23	391	393.50	-	4
10/18/08	-	-	-	-	-	393.50	-	5
10/19/08	-	-	-	-	-	393.50	-	6
10/20/08	15:00	NDSWC	1440	8.35	400	394.80	-	7
10/21/08	10:45	NDSWC	1410	8.37	381	388.40	-	7
10/22/08	9:30	NDSWC	1420	8.39	385	389.40	26	7
10/23/08	15:20	NDSWC	1420	8.35	384	388.20	-	7
10/24/08	10:00	NDSWC	1440	8.27	385	387.00	-	7
10/25/08	-	-	-	-	-	387.00	-	7
10/26/08	-	-	-	-	-	387.00	-	7
10/27/08	9:55	NDSWC	1500	8.44	434	393.80	-	7
10/28/08	10:30	NDSWC	1510	8.44	426	402.80	-	7
10/29/08	9:00	NDSWC	1520	8.42	435	412.80	8	7
10/30/08	9:30	NDSWC	1580	8.36	443	424.60	-	7
10/31/08	9:00	NDSWC	1590	8.37	441	435.80	-	7

Average daily streamflow and conductivity data at the downstream

location near Bremen		
USGS Gaging Station Data		
Sheyenne River Below Devils Lake		
Date	Streamflow (cfs)	EC (μ S/cm)
10/1/08	72	1280
10/2/08	60	1270
10/3/08	48	1380
10/4/08	40	1410
10/5/08	37	1400
10/6/08	38	1400
10/7/08	35	1440
10/8/08	34	1440
10/9/08	30	1460
10/10/08	31	1510
10/11/08	33	1520
10/12/08	49	1460
10/13/08	78	1410
10/14/08	130	1480
10/15/08	164	1360
10/16/08	163	1360
10/17/08	149	1450
10/18/08	135	1480
10/19/08	126	1490
10/20/08	111	1490
10/21/08	100	1470
10/22/08	105	1490
10/23/08	105	1500
10/24/08	112	1500
10/25/08	113	1500
10/26/08	110	1530
10/27/08	99	1550
10/28/08	93	1570
10/29/08	85	1580
10/30/08	78	1580
10/31/08	73	1580
Average	103.23	1468.18
Maximum	164.00	1580.00
Minimum	40.00	1270.00