

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 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 August 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 for *Ceriodaphnia dubia* was collected on August 25th 2008. The toxicity results for *Ceriodaphnia dubia* could not be determined for the sample collected on July 1st 2008 because of poor lab control survival. The sample collected on July 1st 2008 passed the Acute Toxicity Evaluation test for *Pimephales promelas* (Fathead minnow) so that test was not repeated.

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. The maximum pH reported for the outlet sample is 9.24, that is greater than the permit maximum of 9.0. The pH of 9.24 was measured in the lab for the sample collected on August 25th. However, the field-measured pH of the same sample was only 7.44, which is within the permitted range. The field pH meter used is calibrated at least once a week.

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
 ND State Water Commission
 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
 8/1/08 TO 8/31/08

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	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX	8.0	XXXXX	SU		Daily	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				7.0 (see Perm) MINIMUM	9.0 (See Perm) MAXIMUM	SU		Weekly	GRAB
	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX		6.0	mg/L		Weekly	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				XXXXX	REPORT 30 DA AVG	MG/L		Weekly	GRAB
	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX	1789.75	2100.03	umho/cm		Continuous	Recorder
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder
	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXX		706.67	mg/L		5 x Week	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				XXXXX	REPORT 30 DA AVG	MG/L		5 x Week	GRAB
	SAMPLE MEASUREMENT	12.02	23.35	cfs	XXXXX	XXXXX	xxx		Continuous	Recorder
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT 30 DA AVG	100 (see perm) DAILY MAX	cfs					Continuous	Recorder
	SAMPLE MEASUREMENT	XXXXX	62.15	MGAL	XXXXX	XXXXX	xxx		Continuous	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	XXXXX	REPORT 30 DA TOTAL	MGAL					Monthly	CALC
	SAMPLE MEASUREMENT	XXXXX	XXXXX		XXXXX	8	Days		Monthly	Calc
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				REPORT MAXIMUM	REPORT MAXIMUM	DAYS		Monthly	CALC
	SAMPLE MEASUREMENT									
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 9/29/08										
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.										
NUMBER Mo - Day - Year										

Daily Outlet Discharge for the Month of August 2008

Date	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu-ft)
8/1/08	-	-
8/2/08	-	-
8/3/08	-	-
8/4/08	-	-
8/5/08	-	-
8/6/08	-	-
8/7/08	-	-
8/8/08	-	-
8/9/08	-	-
8/10/08	-	-
8/11/08	-	-
8/12/08	-	-
8/13/08	-	-
8/14/08	-	-
8/15/08	-	-
8/16/08	-	-
8/17/08	-	-
8/18/08	-	-
8/19/08	-	-
8/20/08	-	-
8/21/08	-	-
8/22/08	-	-
8/23/08	-	-
8/24/08	0.48	41,280
8/25/08	4.40	380,327
8/26/08	10.44	902,383
8/27/08	14.18	1,225,056
8/28/08	23.35	2,017,254
8/29/08	21.57	1,863,257
8/30/08	16.06	1,387,712
8/31/08	5.69	491,894
Total		8,309,164 cu-ft
Total		62.15 Mgal
Total		190.75 Ac-ft
Average Flow	12.02 cfs	

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

Date	Time	Sampler	Average Daily EC from Outlet Telemetry (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
8/1/08	-	-	-	-	-	-	-	-
8/2/08	-	-	-	-	-	-	-	-
8/3/08	-	-	-	-	-	-	-	-
8/4/08	-	-	-	-	-	-	-	-
8/5/08	-	-	-	-	-	-	-	-
8/6/08	-	-	-	-	-	-	-	-
8/7/08	-	-	-	-	-	-	-	-
8/8/08	-	-	-	-	-	-	-	-
8/9/08	-	-	-	-	-	-	-	-
8/10/08	-	-	-	-	-	-	-	-
8/11/08	12:30	NDSWC	-	8.75	652	-	-	-
8/12/08	-	-	-	-	-	-	-	-
8/13/08	10:00	NDSWC	-	8.09	744	-	-	-
8/14/08	10:30	NDSWC	-	7.94	761	-	-	-
8/15/08	12:45	NDSWC	-	7.97	765	-	-	-
8/16/08	-	-	-	-	-	-	-	-
8/17/08	-	-	-	-	-	-	-	-
8/18/08	14:20	NDSWC	-	8.17	823	-	-	-
8/19/08	8:30	NDSWC	-	7.88	839	-	ND	-
8/20/08	-	-	-	-	-	-	-	-
8/21/08	10:00	NDSWC	-	7.94	886	-	-	-
8/22/08	9:00	NDSWC	-	8.01	805	-	-	-
8/23/08	-	-	-	-	-	-	-	-
8/24/08	13:20	NDSWC	1,789.75	7.98	646	646.00	-	1
8/25/08	11:40	NDSWC	1,938.80	9.24	673	659.50	-	2
8/26/08	10:05	NDSWC	2,100.03	8	737	685.33	6	3
8/27/08	10:50	NDSWC	2,061.14	8.82	711	691.75	-	4
8/28/08	9:40	NDSWC	2,071.12	8.81	701	693.60	-	5
8/29/08	9:45	NDSWC	2,076.86	8.83	709	696.17	-	6
8/30/08	8:45	NDSWC	2,075.47	8.84	709	698.00	-	7
8/31/08	-	-	2,076.20	-	-	706.67	-	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
NAME: ND State Water Commission
ADDRESS: Bismarck ND 58506

ND-0026247
PERMIT NUMBER
001 A
OUTFALL NO.

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

MONITORING PERIOD
8/1/08 TO 8/31/08

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				UNITS
pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	7.9	8.2	SU		Daily	Grab	
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	SU		Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	22.0	22.0	mg/L		Weekly	Grab	
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT 30 DA AVG	REPORT DAILY MAX	MG/L		Weekly	GRAB	
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	712	1090	umho/cm		Continuous	Recorder	
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	196.29	246	mg/L		5 x Week	Grab	
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT 30 DA AVG	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	48.75	87	cfs	XXXXX	XXXXX	XXX		Continuous	Recorder	
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	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		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			9/29/08			
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.

EPA FORM 3320-1 (REV. 9-88) TEMPLATE COPY
ND - Not Detected

PAGE 1 OF 3

**Water Quality Results of the samples collected from the upstream location near Flora
Shenenne 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
8/1/08	9:40	NDSWC	1590	8.18	444	-	-	-
8/2/08	-	-	-	-	-	-	-	-
8/3/08	-	-	-	-	-	-	-	-
8/4/08	10:15	NDSWC	1380	8.1	431	-	-	-
8/5/08	8:20	NDSWC	679	6.87	174	-	43	-
8/6/08	17:00	NDSWC	863	7.86	236	-	-	-
8/7/08	15:30	NDSWC	970	7.89	236	-	-	-
8/8/08	8:45	NDSWC	993	7.87	255	-	-	-
8/9/08	9:40	NDSWC	1100	7.88	303	-	-	-
8/10/08	-	-	-	-	-	-	-	-
8/11/08	11:00	NDSWC	1090	7.83	294	-	-	-
8/12/08	8:50	NDSWC	1120	7.91	303	-	35	-
8/13/08	10:15	NDSWC	1250	8.07	327	-	-	-
8/14/08	10:45	NDSWC	1290	8.13	328	-	-	-
8/15/08	12:30	NDSWC	1210	8.12	293	-	-	-
8/16/08	-	-	-	-	-	-	-	-
8/17/08	-	-	-	-	-	-	-	-
8/18/08	14:00	NDSWC	1300	8.32	325	-	-	-
8/19/08	9:15	NDSWC	1350	8.26	347	-	23	-
8/20/08	-	-	-	-	-	-	-	-
8/21/08	10:30	NDSWC	1520	8.35	402	-	-	-
8/22/08	9:30	NDSWC	1540	8.34	434	-	-	-
8/23/08	-	-	-	-	-	-	-	-
8/24/08	13:00	NDSWC	1060	8.18	246	246	-	1
8/25/08	10:50	NDSWC	712	7.94	159	202.5	-	2
8/26/08	10:35	NDSWC	905	8.14	177	194	22	3
8/27/08	10:30	NDSWC	949	8.08	171	188.25	-	4
8/28/08	10:30	NDSWC	944	8.1	183	187.2	-	5
8/29/08	10:00	NDSWC	949	8.12	201	189.5	-	6
8/30/08	9:00	NDSWC	1090	8.22	237	188	-	7
8/31/08	-	-	-	-	-	188	-	7

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)
8/1/08	3.4	1610
8/2/08	3.2	1590
8/3/08	9.3	1380
8/4/08	93	1160
8/5/08	100	702
8/6/08	65	826
8/7/08	40	958
8/8/08	24	1010
8/9/08	15	1100
8/10/08	10	1110
8/11/08	8.8	1090
8/12/08	9.5	1150
8/13/08	14	1260
8/14/08	15	1280
8/15/08	12	1220
8/16/08	10	1200
8/17/08	8.5	1230
8/18/08	7.1	1300
8/19/08	6.2	1370
8/20/08	5.4	1440
8/21/08	4.8	1520
8/22/08	6.6	1520
8/23/08	47	1450
8/24/08	87	1050
8/25/08	79	799
8/26/08	72	892
8/27/08	55	939
8/28/08	34	939
8/29/08	23	979
8/30/08	18	1120
8/31/08	22	1250
Average	48.75	996.00
Maximum	87.00	1250.00
Minimum	18.00	799.00

NORTH DAKOTA POLLUTANT DISCHARGE ELIMINATION SYSTEM (NDPDES)

DISCHARGE MONITORING REPORT (DMR)

1 / Month
Downstream 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
8/1/08 TO 8/31/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		UNITS		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	XXXXX	8.0	xxx	8.5	SU	Daily	Grab		
	PERMIT REQUIREMENT		REPORT MINIMUM		*****	SU	Weekly	GRAB		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	XXXXX	43.0	xxx	43.0	mg/L				
	PERMIT REQUIREMENT		*****		REPORT 30 DA AVG	MG/L	Weekly	GRAB		
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	XXXXX	940	xxx	1460	umho/cm	Continuous	Recorder		
	PERMIT REQUIREMENT		REPORT MINIMUM		*****	umho/cm	Continuous	Recorder		
SULFATE	SAMPLE MEASUREMENT	XXXXX	296.71	xxx	354.5	mg/L	5 x Week	Grab		
	PERMIT REQUIREMENT		*****		REPORT 30 DA AVG	MG/L	5 x Week	GRAB		
FLOW, INSTREAM	SAMPLE MEASUREMENT	88.63	120		XXXXX	xxx	Continuous	Recorder		
	PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX	cfs			Continuous	Recorder		
DOWNSTREAM	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
DOWNSTREAM	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bruce Engelhardt Head, Investigations Section 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. 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							TELEPHONE			DATE
							701-328-4958			9/29/08
Number							Mo - Day - Year			

(Reference all attachments here)

EPA FORM 3320-1 (REV. 9-88) TEMPLATE COPY

**Water Quality Results of the samples collected from the downstream location near Bremen
Sheneyne 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
8/1/08	10:10	NDSWC	1700	8.09	534	-	-	-
8/2/08	-	-	-	-	-	-	-	-
8/3/08	-	-	-	-	-	-	-	-
8/4/08	9:45	NDSWC	1650	8.11	502	-	-	-
8/5/08	9:00	NDSWC	1620	8.42	440	-	65	-
8/6/08	16:30	NDSWC	1250	7.67	221	-	-	-
8/7/08	15:00	NDSWC	915	7.7	221	-	-	-
8/8/08	9:20	NDSWC	762	7.68	192	-	-	-
8/9/08	9:10	NDSWC	811	7.78	215	-	-	-
8/10/08	-	-	-	-	-	-	-	-
8/11/08	10:40	NDSWC	876	7.88	234	-	-	-
8/12/08	9:20	NDSWC	1090	7.91	241	-	45	-
8/13/08	10:40	NDSWC	1040	8.02	249	-	-	-
8/14/08	11:20	NDSWC	1090	8.05	274	-	-	-
8/15/08	12:00	NDSWC	1170	8.09	304	-	-	-
8/16/08	-	-	-	-	-	-	-	-
8/17/08	-	-	-	-	-	-	-	-
8/18/08	13:30	NDSWC	1220	8.34	340	-	-	-
8/19/08	9:40	NDSWC	1230	8.29	354	-	39	-
8/20/08	-	-	-	-	-	-	-	-
8/21/08	11:00	NDSWC	1360	8.43	337	-	-	-
8/22/08	10:10	NDSWC	1330	8.46	310	-	-	-
8/23/08	-	-	-	-	-	-	-	-
8/24/08	12:40	NDSWC	1250	8.46	295	295.00	-	1
8/25/08	10:30	NDSWC	1460	8.41	414	354.50	-	2
8/26/08	11:00	NDSWC	1110	8.19	277	328.67	43	3
8/27/08	10:00	NDSWC	940	7.96	233	304.75	-	4
8/28/08	11:15	NDSWC	1040	8.02	240	291.80	-	5
8/29/08	10:20	NDSWC	1120	8.08	260	286.50	-	6
8/30/08	9:30	NDSWC	1370	8.27	358	296.71	-	7
8/31/08	-	-	-	-	-	297.00	-	7

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
8/1/08	0.00	5.2	-	534	5.20	-	-	-	-	-
8/2/08	0.00	5.4	-	-	5.40	-	-	-	-	-
8/3/08	0.00	7.4	-	-	7.40	-	-	-	-	-
8/4/08	0.00	14	-	502	14.00	-	-	-	-	-
8/5/08	0.00	74	-	440	74.00	-	-	-	-	-
8/6/08	0.00	105	-	221	105.00	-	-	-	-	-
8/7/08	0.00	85	-	221	85.00	-	-	-	-	-
8/8/08	0.00	66	-	192	66.00	-	-	-	-	-
8/9/08	0.00	53	-	215	53.00	-	-	-	-	-
8/10/08	0.00	42	-	-	42.00	-	-	-	-	-
8/11/08	0.00	34	-	234	34.00	-	-	-	-	-
8/12/08	0.00	29	-	241	29.00	-	-	-	-	-
8/13/08	0.00	25	744	249	25.00	249.00	300.00	-	-	-
8/14/08	0.00	28	761	274	28.00	274.00	315.10	-	-	-
8/15/08	0.00	32	765	304	32.00	304.00	349.60	-	-	-
8/16/08	0.00	30	-	-	30.00	-	-	-	-	-
8/17/08	0.00	24	-	-	24.00	-	-	-	-	-
8/18/08	0.00	20	823	340	20.00	340.00	391.00	-	-	-
8/19/08	0.00	16	839	354	16.00	354.00	407.10	-	-	-
8/20/08	0.00	13	-	-	13.00	-	-	-	-	-
8/21/08	0.00	10	886	337	10.00	337.00	387.55	-	-	-
8/22/08	0.00	12	805	310	12.00	310.00	356.50	-	-	-
8/23/08	0.00	11	-	-	11.00	-	-	-	-	-
8/24/08	0.48	39	646	295	38.52	290.65	334.24	334.24	295.00	1
8/25/08	4.40	89	673	414	84.60	400.52	450.00	392.12	354.50	2
8/26/08	10.44	109	737	277	98.56	228.25	300.00	361.41	328.67	3
8/27/08	14.18	120	711	233	105.82	168.95	300.00	346.06	304.75	4
8/28/08	23.35	111	701	240	87.65	117.20	300.00	336.85	291.80	5
8/29/08	21.57	98	709	260	76.43	133.32	300.00	330.71	286.50	6
8/30/08	16.06	80	709	358	63.94	269.83	310.30	327.79	296.71	7
8/31/08	5.69	63	-	-	57.31	-	-	326.72	297.00	7

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)
8/1/08	5.2	1920
8/2/08	5.4	1930
8/3/08	7.4	1880
8/4/08	14	1890
8/5/08	74	1840
8/6/08	105	1530
8/7/08	85	1000
8/8/08	66	900
8/9/08	53	962
8/10/08	42	1020
8/11/08	34	1050
8/12/08	29	1070
8/13/08	25	1050
8/14/08	28	1110
8/15/08	32	1170
8/16/08	30	1180
8/17/08	24	1210
8/18/08	20	1220
8/19/08	16	1230
8/20/08	13	1310
8/21/08	10	1350
8/22/08	12	1300
8/23/08	11	1260
8/24/08	39	1250
8/25/08	89	1440
8/26/08	109	1150
8/27/08	120	941
8/28/08	111	1030
8/29/08	98	1150
8/30/08	80	1340
8/31/08	63	1430
Average	88.63	1216.38
Maximum	120.00	1440.00
Minimum	39.00	941.00

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 Bismarck ND 58506

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

1 / Quarter
 Outlet WET Results
 F- FINAL
 MINOR

ND-0026247
 PERMIT NUMBER
 001 W
 OUTFALL NO.

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

MONITORING PERIOD
 8/1/08 TO 8/31/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
P/F STATRE 48HR ACU CERIODAPHNIA	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXXXX	XXXXX	0.0	Pass		
	PERMIT REQUIREMENT					0 DAILY MAX	PASS=0 FAIL=1	QUART-ERLY	GRAB
TGM3B 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXXXX	XXXXX	0.0	See Cover Letter		
	PERMIT REQUIREMENT					0 DAILY MAX	PASS=0 FAIL=1	QUART-ERLY	GRAB
P/F STATRE 96HR ACU PIMEPHALES PROMELAS	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
TGN6C 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
Bruce Engelhardt Head, Investigations Section	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
								TELEPHONE	DATE
								701-328-4958	9/29/08
								Number	Mo - Day - Year

Bruce Engelhardt
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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.

ACUTE TOXICITY OCCURS WHEN 50 PERCENT OR MORE MORTALITY IS OBSERVED FOR EITHER SPECIES AT ANY EFFLUENT CONCENTRATION.

(Reference all attachments here)