

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>

May 28, 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 April 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 April 21st 2008. The report indicates that the sample passed the Acute Toxicity Evaluation test.

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

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

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


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
4/1/08 TO 4/30/08

NO DISCHARGE:

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH	SAMPLE MEASUREMENT	XXXXX	XXX	6.6		SU		Daily	Grab
	PERMIT REQUIREMENT			7.0 (see Perm) MINIMUM	9.0 (See Perm) MAXIMUM	SU		Weekly	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	XXXXX	XXX		19.0	mg/L		Weekly	Grab
	PERMIT REQUIREMENT			*****	REPORT 30 DA AVG	MGL		Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT	XXXXX	XXX	340	2086	umho/cm		Continuous	Recorder
	PERMIT REQUIREMENT			REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	XXXXX	XXX		615.1	mg/L		5 x Week	Grab
	PERMIT REQUIREMENT			*****	REPORT 30 DA AVG	MGL		5 x Week	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	2.44	cfs	XXXXX	XXXXX	xxx		Continuous	Recorder
	PERMIT REQUIREMENT	REPORT 30 DA AVG	100 (see perm) DAILY MAX					Continuous	Recorder
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	XXXXX	MGAL	XXXXX	XXXXX	xxx		Continuous	Calc
	PERMIT REQUIREMENT	*****	REPORT 30 DA TOTAL					Monthly	CALC
DURATION OF DISCHARGE	SAMPLE MEASUREMENT	XXXXX		XXXXX	10	Days		Monthly	Calc
	PERMIT REQUIREMENT				REPORT MAXIMUM	DAYS		Monthly	CALC
EFFLUENT GROSS VALUE							TELEPHONE	DATE	
							701-328-4958	5/28/08	
TYPED OR PRINTED NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Bruce Engelhardt Head, Investigations Section SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 									

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.

Daily Outlet Discharge for the Month of April 2008

Date April 2008	Average Daily Outlet Discharge (cfs)	Total Daily Volume (cu-ft)	
1	0	0	
2	0	0	
3	0	0	
4	0	0	
5	0	0	
6	0	0	
7	0	0	
8	0	0	
9	0	0	
10	0	0	
11	0	0	
12	0	0	
13	0	0	
14	0	0	
15	0	0	
16	0	0	
17	0	0	
18	0	0	
19	0	0	
20	0	0	
21	3.11	268275	
22	2.71	234088	
23	2.17	187113	
24	4.05	349499	
25	8.55	738906	
26	12.73	1100269	
27	9.84	850365	
28	9.38	810847	
29	10.96	947369	
30	9.61	830221	
Total		6,316,952	cu-ft
Total		47.25	Mgal
Total		145.02	Ac-ft
Average Flow	2.44	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
4/1/08	-	-	-	-	-	-	-	-
4/2/08	-	-	-	-	-	-	-	-
4/3/08	-	-	-	-	-	-	-	-
4/4/08	-	-	-	-	-	-	-	-
4/5/08	-	-	-	-	-	-	-	-
4/6/08	-	-	-	-	-	-	-	-
4/7/08	-	-	-	-	-	-	-	-
4/8/08	-	-	-	-	-	-	-	-
4/9/08	-	-	-	-	-	-	-	-
4/10/08	-	-	-	-	-	-	-	-
4/11/08	-	-	-	-	-	-	-	-
4/12/08	-	-	-	-	-	-	-	-
4/13/08	-	-	-	-	-	-	-	-
4/14/08	-	-	-	-	-	-	-	-
4/15/08	-	-	-	-	-	-	-	-
4/16/08	-	-	-	-	-	-	-	-
4/17/08	-	-	-	-	-	-	-	-
4/18/08	-	-	-	-	-	-	-	-
4/19/08	-	-	-	-	-	-	-	-
4/20/08	-	-	-	-	-	-	-	-
4/21/08	10:45	NDSWC	340	6.58	262	262.00	-	1
4/22/08	9:30	NDSWC	1,108	6.76	194	228.00	17	2
4/23/08	15:45	NDSWC	1,965	8.17	726	394.00	-	3
4/24/08	12:00	NDSWC	1,805	7.82	677	464.75	-	4
4/25/08	10:45	NDSWC	1,999	7.7	699	511.60	-	5
4/26/08	11:40	NDSWC	2,067	7.75	712	545.00	-	6
4/27/08	10:45	NDSWC	2,074	7.82	716	569.43	-	7
4/28/08	11:50	NDSWC	2,072	7.99	717	634.43	-	7
4/29/08	9:15	NDSWC	2,075	7.41	719	709.43	21	7
4/30/08	10:30	NDSWC	2,086	8.34	729	709.86	-	7

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

1 / Month
 Upstream General Summary
 F- FINAL
 MINOR

ND-0026247
 PERMIT NUMBER


001 A
 OUTFALL NO.

MONITORING PERIOD
 4/1/08 TO 4/30/08

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			
pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	7.6	8.6	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	13.7	19.0	mg/L		Weekly	Grab
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT DAILY MAX	MG/L		Weekly	GRAB
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	1250	1600	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	330.05	384.86	mg/L		5 x Week	Grab
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXX	XXXXX	XXX	REPORT MINIMUM	REPORT MAX 7 DAY AVG	MG/L		5 x Week	GRAB
FLOW, INSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	47.82	97.56	cfs	XXXXX	XXXXX	XXX		Continuous	Recorder
UPSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	REPORT 30 DA AVG	REPORT DAILY MAX	cfs	XXXXX	XXXXX			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		5/28/08			
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.
 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
4/1/08	-	-	-	-	-	-	-	-
4/2/08	-	-	-	-	-	-	-	-
4/3/08	-	-	-	-	-	-	-	-
4/4/08	-	-	-	-	-	-	-	-
4/5/08	-	-	-	-	-	-	-	-
4/6/08	-	-	-	-	-	-	-	-
4/7/08	-	-	-	-	-	-	-	-
4/8/08	12:00	NDSWC	1260	8.22	251	-	-	-
4/9/08	14:15	NDSWC	1270	8.36	247	-	-	-
4/10/08	14:30	NDSWC	1260	8.39	248	-	-	-
4/11/08	12:30	NDSWC	1280	8.5	261	-	-	-
4/12/08	-	-	-	-	-	-	-	-
4/13/08	-	-	-	-	-	-	-	-
4/14/08	10:15	NDSWC	1270	8.57	276	-	19	-
4/15/08	16:00	NDSWC	1250	8.52	297	-	-	-
4/16/08	15:30	NDSWC	1270	8.55	307	-	-	-
4/17/08	12:30	NDSWC	1290	8.56	308	-	-	-
4/18/08	17:45	NDSWC	1330	8.63	302	-	-	-
4/19/08	-	-	-	-	-	-	-	-
4/20/08	-	-	-	-	-	-	-	-
4/21/08	11:45	NDSWC	1440	8.57	350	350.00	-	1
4/22/08	10:00	NDSWC	1490	8.53	373	361.50	10	2
4/23/08	15:30	NDSWC	1490	8.5	357	360.00	-	3
4/24/08	11:40	NDSWC	1500	8.37	376	364.00	-	4
4/25/08	10:30	NDSWC	1600	8.02	417	374.60	-	5
4/26/08	11:20	NDSWC	1540	8.01	381	375.67	-	6
4/27/08	10:30	NDSWC	1480	7.87	382	376.57	-	7
4/28/08	12:30	NDSWC	1520	8.03	386	381.71	-	7
4/29/08	9:45	NDSWC	1510	7.61	379	382.57	12	7
4/30/08	10:20	NDSWC	1510	8.45	373	384.86	-	7

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 April 2008	Streamflow (cfs)	EC (µS/cm)
1	-	1450.42
2	-	1381.98
3	-	1332.92
4	-	1269.90
5	-	1231.25
6	-	1253.91
7	-	1274.88
8	47.07	1281.67
9	47.48	1285.94
10	44.28	1270.38
11	44.56	1277.60
12	41.13	1291.04
13	35.16	1280.73
14	34.31	1268.85
15	34.54	1250.31
16	34.95	1263.33
17	34.61	1290.00
18	30.24	1328.13
19	25.75	1353.96
20	24.55	1381.67
21	26.03	1397.40
22	27.60	1477.60
23	29.95	1510.21
24	53.90	1500.63
25	82.86	1587.71
26	97.56	1545.52
27	86.54	1494.69
28	78.17	1513.33
29	72.60	1502.50
30	65.93	1510.00
Average	47.82	1368.61
Maximum	97.56	1587.71
Minimum	24.55	1231.25

PERMITTEE NAME/ADDRESS
 ND State Water Commission
 ADDRESS: 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.

MONITORING PERIOD
 4/1/08 TO 4/30/08

NO DISCHARGE:

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	XXXXXX	XXXXXX	XXX	7.7	8.7	SU		Daily	Grab	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	SU		Weekly	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	19.0	27.0	mg/L				
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	REPORT 30 DA AVG	REPORT DAILY MAX	MG/L		Weekly	GRAB	
SPECIFIC CONDUCTANCE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	988	1600	umho/cm		Continuous	Recorder	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	REPORT MINIMUM	REPORT MAXIMUM	umho/cm		Continuous	Recorder	
SULFATE	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	335.42	414.86	mg/L		5 x Week	Grab	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXXXXX	XXXXXX	XXX	REPORT 30 DA AVG	450 mg/l MAX 7 DAY AVG	MG/L		5 x Week	GRAB	
FLOW, INSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	55.81	100.99		XXXXX	XXXXX	xxx		Continuous	Recorder	
DOWNSTREAM	SAMPLE MEASUREMENT PERMIT REQUIREMENT	REPORT 30 DA AVG	600 (see perm) DAILY MAX	dfs					Continuous	Recorder	
	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			701-328-4958	5/28/08		
TYPED OR PRINTED					Number			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.

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PAGE 1 OF 3

**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 (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
4/1/08	-	-	-	-	-	-	-	-
4/2/08	-	-	-	-	-	-	-	-
4/3/08	-	-	-	-	-	-	-	-
4/4/08	-	-	-	-	-	-	-	-
4/5/08	-	-	-	-	-	-	-	-
4/6/08	-	-	-	-	-	-	-	-
4/7/08	-	-	-	-	-	-	-	-
4/8/08	13:00	NDSWC	1040	8.35	247	-	-	-
4/9/08	13:45	NDSWC	988	8.47	236	-	-	-
4/10/08	14:00	NDSWC	1040	8.59	246	-	-	-
4/11/08	12:00	NDSWC	1100	8.67	265	-	-	-
4/12/08	-	-	-	-	-	-	-	-
4/13/08	-	-	-	-	-	-	-	-
4/14/08	10:45	NDSWC	1140	8.67	276	-	27	-
4/15/08	15:30	NDSWC	1180	8.68	304	-	-	-
4/16/08	15:00	NDSWC	1190	8.68	308	-	-	-
4/17/08	12:00	NDSWC	1210	8.68	307	-	-	-
4/18/08	18:10	NDSWC	1230	8.72	304	-	-	-
4/19/08	-	-	-	-	-	-	-	-
4/20/08	-	-	-	-	-	-	-	-
4/21/08	11:15	NDSWC	1290	8.65	321	321.00	-	1
4/22/08	10:45	NDSWC	1310	8.62	324	322.50	15	2
4/23/08	15:00	NDSWC	1350	8.56	331	325.33	-	3
4/24/08	11:10	NDSWC	1310	8.39	340	329.00	-	4
4/25/08	10:00	NDSWC	1400	8.05	381	339.40	-	5
4/26/08	10:55	NDSWC	1510	8.18	415	352.00	-	6
4/27/08	10:10	NDSWC	1600	8.19	461	367.57	-	7
4/28/08	12:50	NDSWC	1590	8.19	452	386.29	-	7
4/29/08	10:15	NDSWC	1520	7.67	431	401.57	15	7
4/30/08	9:50	NDSWC	1510	8.44	424	414.86	-	7

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

Date April 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
1	0	94.00	-	-	94.00	-	-	-	-	-
2	0	-	-	-	-	-	-	-	-	-
3	0	-	-	-	-	-	-	-	-	-
4	0	-	-	-	-	-	-	-	-	-
5	0	-	-	-	-	-	-	-	-	-
6	0	-	-	-	-	-	-	-	-	-
7	0	-	-	-	-	-	-	-	-	-
8	0	61.33	-	247	61.33	-	-	-	-	-
9	0	56.15	-	236	56.15	-	-	-	-	-
10	0	57.47	-	246	57.47	-	-	-	-	-
11	0	59.36	-	265	59.36	-	-	-	-	-
12	0	52.60	-	-	52.60	-	-	-	-	-
13	0	46.46	-	-	46.46	-	-	-	-	-
14	0	38.15	-	276	38.15	-	-	-	-	-
15	0	40.58	-	304	40.58	-	-	-	-	-
16	0	39.35	-	308	39.35	-	-	-	-	-
17	0	36.35	-	307	36.35	-	-	-	-	-
18	0	37.98	-	304	37.98	-	-	-	-	-
19	0	32.75	-	-	32.75	-	-	-	-	-
20	0	28.34	-	-	28.34	-	-	-	-	-
21	3.11	32.15	262	321	29.04	327.31	376.40	376.40	321.00	1
22	2.71	28.31	194	324	25.60	337.76	388.42	382.41	322.50	2
23	2.17	32.65	726	331	30.48	302.93	348.37	371.07	325.33	3
24	4.05	45.80	677	340	41.76	307.35	353.46	366.66	329.00	4
25	8.55	58.43	699	381	49.87	326.47	375.44	368.42	339.40	5
26	12.73	90.27	712	415	77.54	366.22	421.15	377.21	352.00	6
27	9.84	100.99	716	461	91.15	433.46	450.00	387.61	367.57	7
28	9.38	94.08	717	452	84.70	422.64	450.00	398.12	386.29	7
29	10.96	88.03	719	431	77.07	390.02	450.00	406.92	401.57	7
30	9.61	87.89	729	424	78.28	386.56	444.54	420.66	414.86	7

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 April 2008	Streamflow (cfs)	EC (μS/cm)
1	94.00	1223.44
2	-	1161.15
3	-	1095.52
4	-	1040.10
5	-	1002.51
6	-	1002.60
7	-	1021.88
8	61.33	1040.74
9	56.15	1004.23
10	57.47	1031.15
11	59.36	1087.19
12	52.60	1082.81
13	46.46	1044.79
14	38.15	1148.96
15	40.58	1196.46
16	39.35	1195.10
17	36.35	1204.27
18	37.98	1220.21
19	32.75	1243.75
20	28.34	1238.65
21	32.15	1282.29
22	28.31	1314.06
23	32.65	1354.79
24	45.80	1332.29
25	58.43	1430.83
26	90.27	1524.90
27	100.99	1596.15
28	94.08	1564.38
29	88.03	1530.94
30	87.89	1557.40
Average	55.81	1225.78
Maximum	100.99	1596.15
Minimum	28.31	1002.51

PERMITTEE NAME/ADDRESS
 NAME: ND State Water Commission
 ADDRESS: 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
 4/1/08 TO 4/30/08

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				
	PERMIT REQUIREMENT								
TGM3B 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXXXX	0.0		QUART-ERLY	GRAB	
	PERMIT REQUIREMENT				0 DAILY MAX				
P/F STATRE 96HR ACU PIMEPHALES PROMELAS	SAMPLE MEASUREMENT	XXXXX	XXXXX	XXXXX	0.0				
	PERMIT REQUIREMENT				0 DAILY MAX				
TGN6C 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	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.						TELEPHONE	DATE	
	Bruce Engelhardt Head, Investigations Section							701-328-4958	5/28/08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						Number	Mo - Day - Year
COMMENT AND EXPLANATION OF ANY VIOLATIONS									

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