



Northern States Power Company

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Telephone (612) 330-5500

February 21, 2000

Point Source Compliance Section
Division of Water Quality
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155

Attention: Mary Hayes

MONTICELLO NUCLEAR GENERATING PLANT
NPDES Permit No. MN0000868
Monthly Discharge Monitoring Reports

In accordance with Parts III.B. and IV.C. of the subject permit, we are submitting our monthly Discharge Monitoring Reports for discharges 010, 012, 020, 030 and 040 at our Monticello Nuclear Generating Plant on the preprinted forms, as requested. These reports cover the period January 1, 2000 through January 31, 2000.

Please note that the plant was shutdown for the scheduled refueling outage after January 5. As noted on the data listing, the backup circulating water flow monitoring and reporting methods (which were previously found acceptable) were implemented on several dates associated with the outage during the month. Also associated with the outage the chlorine treatment system was shutdown. (Note: bromine treatment is typically not conducted while cold weather keeps river water temperatures down.)

As part of NSP's follow up to the outage, a company biologist, Dan Orr, conducted follow up inspections of the canal for fish loss due to cold shock. A report of the inspection findings is attached and indicates a small loss of about 38 fish. The loss was previously verbally reported to the MPCA as well as the DNR.

If you have any questions, please contact me at 612-330-6625.

Sincerely,

Jim Bodensteiner
Senior Environmental Analyst

Enclosure

c: Marilyn Danks (DNR)
John Peterson (w/o attach)
John Windschill (w/o attach)
ERAD Record Center

wjjbrptsmmontcl

-----Original Message-----

From: Orr, Daniel J
Sent: Friday, January 07, 2000 3:38 PM
To: Bodensteiner, James J; Jacobson, Ronald D; Thompson, Brian L
Cc: Coss, Terry E; Denney, Bruce W; Allen-Webb, Alma L
Subject: RE: Monti canal inspection

I inspected the canal and the area downstream again today starting about 1:00. I first checked the rip-rap below the discharge to see how the fish I had seen yesterday were doing. There were only a few fish still present and seemed more responsive than they were yesterday. I also walked along the island below the discharge and found no additional fish. I also was looking for the presence of a concentration of crows and/or eagles that might indicated the presence of freshly dead fish in the water. I saw only one eagle and a few scattered crows. Nothing to indicate the presence of a food source. I checked the area above and below the boat landing but also found no dead fish. I did see about 6 crows eating on the dead fish lying along the water's edge in the discharge canal. There was still a little flow into and out of the canal but the canal had frozen over. I could not see any additional dead fish. I think that should do it.

Dan

-----Original Message-----

From: Orr, Daniel J
Sent: Thursday, January 06, 2000 3:46 PM
To: Bodensteiner, James J
Cc: Jacobson, Ronald D; Thompson, Brian L
Subject: Monti canal inspection

Jim

I inspected the Monticello discharge canal beginning about 1:00 on 1/6/00. The canal was still flowing but the water was cool and slush was forming. I found the following fish dead in the canal:

	6"	6"-12"	12"-18"	18"-24"	24+"	Total
Carp		4	4	8		16
Channel catfish			6	1		7
Smallmouth bass	2					2
Total	2	4	10	9		25

Several of these fish were on the bottom of the canal cut to the extent where I could barely see bottom. There may be more fish on the bottom which I could not see.

In the rip-rap immediately below the discharge I found two dead channel catfish about twelve inches long that likely washed out of the canal (included below). Also in the stretch of rip-rap below the discharge I observed several other fish that were lethargic but were able to retain their vertical orientation and moved away when prodded. The fish observed in this condition included:

	6"	6"-12"	12"-18"	18"-24"	24+"	Total
Smallmouth bass		2	3 (16 to 18")			5
Channel catfish			2	3	2	7
Black crappie		1				1
Total		3	5	3	2	13

I plan to check the canal again tomorrow but I may encounter visibility problem due to ice formation. I will also bring waders with me to try to get a little farther out into the water. I will let you know if anything changes.

Dan