



Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401-1927
Telephone (612) 330-5500

December 21, 1995

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

Attention: Pete Sandberg

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

In accordance with Part I.D.3. 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 November 1, 1995 to November 30, 1995.

Enclosed is a report of fish loss identified by an NSP biologist on November 9. The investigation was prompted by discharge temperature changes the previous day due to a change in cooling tower operations. However, based on the state of decomposition, the fish likely had died a few weeks prior to the investigation. The plant's review of the previous month's operations revealed no apparent cause except the remote possibility that the loss occurred after some minor temperature changes associated with a partial plant power descent.

Enclosed is a violation report describing the December 2 overflow of the retention pond due to a service (river) water valve left open from tempering heating boiler blowdown. The report identifies follow-up sample results, which were within NPDES outfall 012 limits, and identifies corrective action and planned preventive measures.

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

1/12



To: JCBR02 --NSPRSCS Ronald D Jacobson
cc: EBRL01 --NSPRSCS Lee W Eberley BDNJ02 --NSPRSCS James J Bodensteiner

From: Daniel J Orr
Subject: Dead fish

In response to your call this morning I visited the discharge canal this afternoon. As I mentioned on the phone it is unlikely that a fish kill would result from the small drop in canal temp if the plant remained on line. Generally fish kills occur when the canal drops below about 40 degrees.

When I checked the canal there were no freshly dead fish, however I did find remains of 151 dead channel catfish ranging in size from about four to ten inches. The size is difficult to estimate because all that was left of the fish was from the pectoral fins forward, basically the head. I would guess the fish were dead somewhere between two weeks to a month. There were no other species of dead fish present. These were likely channel catfish that hatched this spring and grew in the warm water of the canal. Most of the fish were in the four to about seven inch range with only a couple as large as ten inches.

As we discussed on the phone please check plant records to see if anything out of the ordinary happened in the last month or so that might affect water chemistry in the canal. Please let me know what you find out. I will report the fish kill to MPCA and MDNR as required. I will tell them we are checking our records to see if anything unusual occurred.