STATE OF MINNESOTA

Minnesota Pollution Control Agency

Industrial Division

National Pollutant Discharge Elimination System (NPDES)/
State Disposal System (SDS) Permit MN0049077

PERMITTEE: Great River Energy
FACILITY NAME: Great River Energy of Dickinson
RECEIVING WATER: Unnamed Ditch to N Fork of Crow River (Class 2B,3B,3C,4A,4B,5,6 water)

CITY OR TOWNSHIP: Buffalo **COUNTY:** Wright
ISSUANCE DATE: **EXPIRATION DATE:**

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee to operate a disposal system at the facility named above and to discharge from this facility to the receiving water named above, in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with Minnesota and U.S. statutes and rules, including Minn. Stat. chs. 115 and 116, Minn. R. chs. 7001, 7050, 7053, 7060, 7090, and the U.S. Clean Water Act.

This permit is effective on the issuance date identified above, and supersedes the previous permit that was issued for this facility on February 27, 2007. This permit expires at midnight on the expiration date identified above.

Signature: _____

Jeff Udd, P.E. *for* The Minnesota Pollution Control Agency
Supervisor, Water Quality Permits Unit
Water Section
Industrial Division

Submit DMRs to:
Attention: Discharge Monitoring Reports
Minnesota Pollution Control Agency
520 Lafayette Rd N
St Paul, MN 55155-4194

Submit Other WQ Reports to:
Attention: WQ Submittals Center
Minnesota Pollution Control Agency
520 Lafayette Rd N
St Paul, MN 55155-4194

Questions on this permit?

- For DMR and other permit reporting issues, contact: Jennifer Satnik, 651-757-2692.
- For specific permit requirements or permit compliance status, contact: Adam Gulsvig, 651-757-2179.
- General permit or NPDES program questions, contact: MPCA, 651-282-6143 or 1-800-657-3938.

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Facility Description

The Great River Energy of Dickinson facility (facility) is located at SE 1/4 of SE 1/4 of Section 15, Township 119 North, Range 25 West, Buffalo, Wright County, Minnesota. The principal activity at this facility is the operation of an electrical substation. The facility converts an average of 1100 megawatts per hour of direct current into alternating current.

Discharge station SD001 consists of cooling water blowdown from two banks of five cooling towers used for building air conditioning. The incoming well water is treated with a microbiocide, corrosion inhibitor, and is pH adjusted. The discharge is continuous and has an average flow of 0.004 million gallons per day (mgd) to an unnamed ditch thence to the North Fork of the Crow River.

Discharge station SD002 consists of stormwater runoff collected in the reactor, transformer containment sumps, and building drain tile system. The discharge is variable and has an average daily flow of 0.003 mgd to an unnamed ditch thence to the North Fork of the Crow River.

The location of designated monitoring stations is specified on the "Summary of Stations and Station Locations" page.

The location of the facility is shown on the "Topographical Map of Permitted Facility".

In accordance with MPCA rules regarding nondegradation for all waters that are not Outstanding Resource Value Waters, nondegradation review is required for any new or expanded significant discharge (Minn. R. 7050.0185). A significant discharge is: (1) a new discharge (not in existence before January 1, 1988) that is greater than 200,000 gallons per day to any water other than a Class 7 water or (2) an expanded discharge that expands by greater than 200,000 gallons per day that discharges to any water other than a Class 7 water or (3) a new or expanded discharge containing any toxic pollutant at a mass loading rate likely to increase the concentration of the toxicant in the receiving water by greater than one percent over the baseline quality. The flow rate used to determine significance is the design maximum daily flow. The January 1, 1988, design maximum daily flow for this facility is 0.03 mgd

This Permit also complies with Minn. R. 7053.0275 regarding anti-backsliding.

Any point source discharger of sewage, industrial, or other wastes for which a NPDES permit has been issued by the MPCA that contains effluent limits more stringent than those that would be established by Minn. R. 7053.0215 to 7053.0265 shall continue to meet the effluent limits established by the permit, unless the permittee establishes that less stringent effluent limits are allowable pursuant to federal law, under section 402(o) of the Clean Water Act, United States Code, title 33, section 1342.