

ILLINOIS POLLUTION CONTROL BOARD
August 4, 1988

ILLINOIS POWER COMPANY)
CLINTON POWER STATION,)
)
Petitioner,)
)
v.) PCB 88-118
)
ILLINOIS ENVIRONMENTAL)
PROTECTION AGENCY,)
)
Respondent.)

OPINION AND ORDER OF THE BOARD (by J.D. Dumelle):

This matter comes before the Board upon receipt of the August 2, 1988, provisional variance recommendation by Respondent, Illinois Environmental Protection Agency (IEPA).

Petitioner, Illinois Power Co., Clinton Power Station requests a provisional variance from the provisions of 35 Ill. Adm. Code 302.211 and Part 303 for a period of 45 days. Petitioner is also requesting that their 108.3°F maximum limitation sampling point be moved from the end of the discharge flume to the edge of a 26 acre mixing zone.

Petitioner owns and operates a nuclear-fueled electrical generating station located in Clinton, Illinois. The station is designed to generate 933 net megawatts of electricity. The circulating cooling water system is designed to deliver water from Clinton Lake to the main condenser in sufficient quantities to condense the turbine exhaust system, the turbine bypass stream, and other turbine cycle flows. Petitioner's current NPDES permit states that the daily average discharge temperature of discharges to Clinton Lake "shall not exceed 99°F during more than 12 percent of the hours in a twelve-month period ending with any month and shall at no time exceed 108.3°F.

Petitioner has indicated that on July 18, 1988 one of the circulating cooling pumps failed resulting in reduction of approximately 446 cfs [288 MGD] of circulating cooling water flow. This pump will remain out of service until August 6, 1988. While the pump is not in operation the average daily flume discharge temperatures will exceed 99°F.

The Agency's recommendation states that the request to move the sampling location to the edge of the 26 acre mixing zone is outside the scope of a request for provisional variance and

should be addressed in a standard variance petition. The Board agrees.

The Agency's recommendation also states that it concurs with Petitioner that denial of the remainder of the requested provisional variance would impose an arbitrary and unreasonable hardship. The Agency recommends that the provisional variance be granted subject to certain conditions. The Board concurs.

The Board does hereby grant the Illinois Power Company, Clinton Power Station a provisional variance from 35 Ill. Adm. Code 302.211 and Part 303 subject to the following conditions:

- a. This variance shall commence on the date of the Board Order and continue for 45 days.
- b. During the variance the 99°F average daily temperature limitation on the flume discharge be suspended such that if Petitioner's effluent exceeds the 99°F, during the provisional variance period, these days shall not be counted toward the 44-day limitation.
- c. The 108.3°F maximum daily average thermal limit shall still be applied at the end of the discharge flume.
- d. The monitoring program proposed by the Petitioner in Attachment 4 of their provisional variance petition be enacted.
- e. The Petitioner shall also monitor water temperature (same frequency as condition d above) at the edge of the 3 acre inlet just before this inlet water mixes with the main body of the lake.
- f. Within 10 days of the date of the Board's Order, Petitioner shall execute a Certificate of Acceptance and Agreement which shall be sent to Mark T. Books at the address indicated indicated below:

Illinois Environmental Protection Agency
2200 Churchill road
P.O. Box 19276
Springfield, IL 62974-9276

ATTN: Mark T. Books

This variance shall be void if Petitioner fails to execute and forward the certificate within the ten day period. The ten day period shall be held in abeyance during any period that this matter is being appealed. The form of said Certification shall be as follows:

CERTIFICATION

I, (We), Illinois Power Company, Clinton Power Station, having read the Order of the Illinois Pollution Control Board, in PCB 88-118, dated August 4, 1988, understand and accept the said Order, realizing that such acceptance renders all terms and conditions thereto binding and enforceable.

Petitioner

By: Authorized Agent

Title

Date

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 4th day of August, 1988 by a vote of 7-0.

Dorothy M. Gunn
Dorothy M. Gunn, Clerk
Illinois Pollution Control Board