

ILLINOIS POLLUTION CONTROL BOARD
August 14, 1975

IN THE MATTER OF)
WATER QUALITY AND EFFLUENT) R75-2
STANDARDS AMENDMENTS,)
COOLING LAKES)

ORDER OF THE BOARD (by Mr. Zeitlin):

ORDER

The following new Regulations are hereby adopted as part of Chapter 3: Water Pollution, and the existing Regulations of Chapter 3 amended in conformity therewith:

Rule 104, Definitions; Add:

Rule 104: "Artificial Cooling Lake" means any manmade lake, reservoir or other impoundment, constructed by damming the flow of a stream, which is used to cool the water discharged from the condensers of a steam-electric generating plant for recirculation in substantial part to the condensers.

Rule 203(i), Temperature; Add:

Rule 203(i)(10): All effluents to an artificial cooling lake must comply with the applicable provisions of the thermal water quality standards as set forth in Rule 203(i), except when all of the following requirements are met:

(aa) All discharges from the artificial cooling lake to other waters of the state comply with the applicable provisions of Rule 203(i)(1-4).

(bb) The heated effluent discharged to the artificial cooling lake complies with all other applicable provisions of this Chapter, except Rule 203(i)(1-4).

- (cc) At a regulatory hearing, the discharger shall satisfactorily demonstrate to the Board that the artificial cooling lake receiving the heated effluent will be environmentally acceptable, and within the intent of the Act, including, but not limited to:
- (1) provision of conditions capable of supporting shellfish, fish, and wildlife, and recreational uses consistent with good management practices, and
 - (2) control of the thermal component of the discharger's effluent by a technologically feasible and economically reasonable method.
- (dd) The required showing in Rule 203(i)(10)(cc) may take the form of an acceptable final environmental impact statement or pertinent provisions of environmental assessments used in the preparation of the final environmental impact statement, or may take the form of a showing pursuant to §316(a) of the FWPCA, which addresses the requirements of Rule 203(i)(10)(cc).
- (ee) If an adequate showing as provided in Rule 203(i)(10)(cc) is found, the Board shall promulgate specific thermal standards to be applied to the discharge to that artificial cooling lake.

Rule 203(i)(11): Exceptions to Rule 203(i)

- (aa) Lake Clinton:
The thermal discharge to Lake Clinton shall meet the following standards and conditions:
- (1) The effluent temperature shall not exceed 96°F.
 - (2) All conditions adopted by Board Order in PCB 75-31 (July 31, 1975).

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order was adopted on the 14th day of August, 1975 by a vote of 5-0.


Christan L. Moffett, Clerk
Illinois Pollution Board