

ILLINOIS POLLUTION CONTROL BOARD

April 3, 1980

CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, )  
(Grand Tower Power Station), )  
 )  
Petitioner, )  
 )  
v. ) PCB 80-20  
 )  
ENVIRONMENTAL PROTECTION AGENCY, )  
 )  
Respondent. )

OPINION AND ORDER OF THE BOARD (by Dr. Satchell):

This matter comes before the Board upon a variance petition filed January 25, 1980 by Central Illinois Public Service Company (CIPS). The petition requests for the Grand Tower power station a variance from the effluent standards for copper (total), iron (total) and iron (dissolved) of Rules 408(a) of Chapter 3: Water Pollution for rinse water discharges into the ash pond. On March 3, 1980 the Environmental Protection Agency (Agency) recommended that the variance be granted with conditions. The hearing was waived and the Board has received no public comment. The issues involved in this variance are substantially the same as those in PCB 80-16. The Opinion of this date in that case is incorporated by reference.

The Grand Tower power station is a 202 megawatt fossil fueled electric power plant situated in Grand Tower, Jackson County. Boilers 7, 8 and 9 are scheduled for cleaning at various intervals between May 11 and November 29, 1980. Boilers 7 and 8 will each require about 17,000 gallons (65,000 l) of EDTA solution. Boiler 9 will require about 34,000 gallons (130,000 l) of EDTA solution. Fifty-one thousand gallons (195,000 l) and 102,000 gallons (390,000 l) of rinse water will be required respectively. The Agency estimates that about 2000 pounds (900 kg) of iron and 200 pounds of copper (90 kg) will be removed from each boiler. Under the requested variance boiler cleaning and air heater rinse waters will be discharged into an ash pond which discharges into the Mississippi River. On October 23, 1979 the Agency issued NPDES Permit IL 0000124 for this discharge. CIPS' appeal of permit conditions is pending before the Board in PCB 79-246.

The Board finds that requiring immediate pretreatment of rinse water discharges would impose an arbitrary and unreasonable hardship on CIPS for reasons similar to those outlined in the

Board's Opinion of this date in PCB 80-16. The variance will be granted with conditions.

This Opinion constitutes the Board's findings of fact and conclusions of law in this matter.

ORDER

Petitioner Central Illinois Public Service Company is granted for its Grand Tower power station a variance from the effluent standards for copper (total), iron (total) and iron (dissolved) of Rule 408(a) of Chapter 3: Water Pollution, subject to the following conditions:

1. This variance will expire November 30, 1980.
2. This variance will apply only to boiler cleaning rinse water and air heater wash discharges into the ash pond.
3. Petitioner shall not discharge EDTA boiler chemical cleaning solution into the ash pond.
4. Petitioner shall conduct a study to determine treatment capabilities of the ash pond. The study shall include as a minimum data on pH of the ash pond, the constituents in the metal cleaning waste rinses, the concentration of the constituents and the volume of the metal cleaning waste rinses discharged to the ash pond. A summary of results shall be sent to the Agency by November 30, 1980.
5. The Agency, pursuant to Rule 914 of Chapter 3: Water Pollution, shall modify the NPDES Permit IL 0000124 consistent with the conditions set forth in this Order.
6. Within forty-five days of the date of this Order, Petitioner shall execute and forward to the Illinois Environmental Protection Agency, Variance Section, 2200 Churchill Road, Springfield, Illinois 62706, a Certificate of Acceptance and Agreement to be bound to all terms and conditions of this variance. This forty-five day period shall be held in abeyance for any period this matter is being appealed. The form of the Certificate shall be as follows:

CERTIFICATION

I, (We), \_\_\_\_\_, having read and fully understanding the Order in PCB 80-20, hereby accept that Order and agree to be bound by all of its terms and conditions.

SIGNED \_\_\_\_\_  
TITLE \_\_\_\_\_  
DATE \_\_\_\_\_

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion and Order were adopted on the 3<sup>RD</sup> day of April, 1980 by a vote of 5-0.

  
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Christan L. Moffett, Clerk  
Illinois Pollution Control Board