

ILLINOIS POLLUTION CONTROL BOARD  
December 19, 1980

CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, )  
(Grand Tower Power Station), )  
)  
Petitioner, )  
)  
v. ) PCB 80-200  
)  
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, )  
)  
Respondent. )

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

This matter comes before the Board upon a variance petition filed October 29, 1980 by Central Illinois Public Service Company (CIPS). The petition requests for the Grand Tower Power Station in Jackson County an extension of a variance previously granted from the effluent standards for copper (total), iron (total) and iron (dissolved) of Rule 408(a) of Chapter 3: Water Pollution, for discharges of boiler chemical cleaning rinse water into the ash pond. On December 3, 1980 the Illinois Environmental Protection Agency (Agency) recommended that the variance be granted with conditions. No hearing was held and no public comment has been received.

The Board has previously granted a variance from the copper and iron effluent standards for boiler cleaning rinse water from the Grand Tower Power Station (CIPS v. IEPA, PCB 80-20, 38 PCB 43, April 3, 1980; 38 PCB 277, May 15, 1980). The record, Opinion and Orders are incorporated into this proceeding by reference. That variance expired November 30, 1980, by which time CIPS had expected to complete its boiler cleaning. Boiler No. 9 (Unit No. 3) was cleaned according to schedule. However, CIPS was unable to clean boilers Nos. 7 and 8 (Unit No. 3) during the scheduled shutdown period due to delays in completing the retubing of condensers for Unit No. 3. CIPS now expects to complete the boiler cleaning on or before December 31, 1980.

CIPS proposes to clean its boiler Units by filling them with EDTA (ethylenediaminetetraacetic acid), a chelating agent. CIPS will haul by tanker truck the spent EDTA solution containing most of the metal waste for treatment away from the site. It will then be necessary to rinse the boiler tubes. Because of the volume of rinse water it is not practicable to haul it away. CIPS proposes to discharge to the ash pond the rinse water only.

Because there is less than two weeks remaining before December 31, 1980 the Board will grant the variance through December 31, 1981 in order to avoid the possible necessity of a further extension. Conditions of the variance will allow only a single cleaning of each boiler during the period of this variance.

The Board finds that CIPS would suffer arbitrary or unreasonable hardship if this variance were denied for substantially the same reasons set forth in the Board's previous Opinion in PCB 80-20. The variance is granted with the conditions set forth below.

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

#### ORDER

Petitioner, Central Illinois Public Service Company (CIPS) 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 on the completion of the cleaning of both boiler No. 7 (Unit No. 3) and boiler No. 8 (Unit No. 3).
2. Condition 1 notwithstanding, this variance will expire December 31, 1981.
3. This variance shall apply only to discharge to the ash pond of boiler cleaning rinse water resulting from one boiler cleaning operation for each of two boilers.
4. CIPS shall notify the Agency prior to starting and upon completion of boiler cleaning.
5. Petitioner shall not discharge EDTA boiler cleaning solution into the ash pond.
6. 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, constituents in the metal cleaning waste rinses, the concentration of the constituents and the volume of cleaning waste rinses discharged to the ash pond. A summary of results shall be sent to the Agency within ninety days of the completion of the boiler cleanings.
7. The Agency, pursuant to Rule 914 of Chapter 3: Water Pollution, shall modify NPDES permit IL0000124 consistent with conditions set forth in this Order.

- 8. 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 80-200, 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 that the above Opinion and Order were adopted on the 19<sup>th</sup> day of December, 1980 by a vote of 5-0.

  
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 Christan L. Moffett, Clerk  
 Illinois Pollution Control Board