

ILLINOIS POLLUTION CONTROL BOARD
December 13, 1973

SOUTHERN ILLINOIS POWER COMPANY)
PETITIONER)
)
)
 v.) PCB 73-436
)
)
 ENVIRONMENTAL PROTECTION AGENCY)
RESPONDENT)
)

CHARLES D. WINTERS, ATTORNEY, in behalf of SOUTHERN ILLINOIS POWER COMPANY
LARRY EATON, ASSISTANT ATTORNEY GENERAL, in behalf of the ENVIRONMENTAL PROTECTION AGENCY

OPINION AND ORDER OF THE BOARD (by Mr. Marder)

This action involves a request for a variance extension by Southern Illinois Power Company. Relief is sought from Rule 2-2.53 of the Rules and Regulations Governing the Control of Air Pollution and Rule 203 of the Air Pollution Control Regulations, to allow implementation of a compliance program by April 1975.

Southern Illinois Power Company owns and operates a power generating station in Williamson County, Illinois. As was stated in our previous opinion, Southern Illinois Power Company generates approximately 100 megawatts of power by the burning of coal to generate steam for its steam turbines. The plant consists of three 33-MW units, each fired by double seven-foot radial cyclone burners equipped with multiple-cyclone dust collectors. Two boilers exhaust into one stack and a third exhausts into a separate stack. Previous testing (1971) has shown emissions to be in the order of 0.67#/MBTU.

On February 6, 1973, Petitioner was granted a one-year variance to the abovementioned rules (PCB 72-238). The Board fully expected an extension to be necessary, as the compliance program presented essentially ran into 1975. The plan of action calls for the installation of three electrostatic precipitators of a 96% efficiency rating. This would bring emissions down to 0.04#/MBTU at a cost of some \$2,000,000. This plan will meet the requirements of Rule 203 (9). The following compliance project completion schedule was submitted in PCB 72-238.

Start design	May 1972
Start erection of first Precipitator	May 1973
Startup of first Pre- cipitator	April 1974
Startup of second Pre- cipitator	October 1974
Startup of third Pre- cipitator	April 1975

Upon investigation by the Environmental Protection Agency, it was found that even though some delays were encountered with regard to steel delivery, the plan is still on schedule.

The Order of the Board in PCB 72-238 read as follows:

1. That SIPC be granted a variance from the provisions of Rule 2-2.53 of the Rules and Regulations Governing the Control of Air Pollution and Rule 203 of the Air Pollution Control Regulations until January 30, 1974, in order to install three electrostatic precipitators on its coal-fired boilers, subject to a construction program which will bring all facilities into compliance by April of 1975. Any extension of this variance shall be by further petition and hearing and a demonstration on the part of SIPC that it is pursuing the program of installation as outlined herein.
2. Bond in the amount of \$500,000, in form satisfactory to the Agency, shall be posted to assure compliance as to the installation of the three electrostatic precipitators as proposed by SIPC. Payment provision shall be made for forfeiture in the amount of \$10,000 in the event SIPC is not in compliance with the relevant regulations by April 30, 1975. Bond shall be filed with the Environmental Protection Agency, Fiscal Services Division, 2200 Churchill Drive, Springfield, Illinois 62706, within thirty days from the date thereof.
3. SIPC shall pursue the ash and dust control program as detailed in letter of December 7, 1972, addressed to the Board and subject to the following terms and conditions:
 - (a) With respect to the coal yard, SIPC shall continue its present policy of fugitive dust abatement and specifically:
 - (i) In times of high wind velocity (greater than 20 MPH) in a direction to cause fugitive emissions, coal handling shall be stopped except for the filling of coal bunkers.
 - (ii) All roadways and paths of travel of coal handling equipment shall be regularly sprinkled with a water tank truck to prevent dusting.
 - (b) SIPC shall undertake whatever other measures are nec-

- essary to insure that its coal handling facilities are operated in compliance with Rule 203 (f).
- (c) With respect to the ash control program, all fly ash shall be sluiced to Pond #1. Fly ash shall be construed as all particulate matter, generated as the result of fuel combustion, that is separated from a combustion gas stream by an air pollution control device.
 - (d) Water content of Pond #1 shall be maintained at a sufficient level to keep all collected fly ash from becoming airborne.
 - (e) No material collected in Pond #1 shall be removed to any other area except with written permission from the Agency, and subject to conditions the Agency may impose to insure compliance with the Act and Board regulations.
 - (f) All materials now deposited in ash storage Pond #1 before implementation of (c) above, shall be removed, leveled, and covered with vegetation in such a manner so as to prevent blowing of particulate matter.
 - (g) That SIPC undertake whatever other measures are necessary to insure that its ash storage area is operated in compliance with Rule 203 (f).

The Agency has found, through investigation, on October 9, 1973, that Petitioner has been carrying out the Board order diligently and in good faith. Paragraph (g) of the above Order required Petitioner to take whatever other steps it could to bring its ash storage pile into compliance with Rule 203 (f). Plans now call for Petitioner to seal its ash pile. The Board's Order will require this step.

Residents of the area were interviewed by the Agency in an attempt to judge the impact this variance has on them. Although these people reported that at times fugitive dust was a problem, no one objected to the continuance of the variance.

This Opinion constitutes the findings of fact and conclusions of law of the Board.

ORDER

IT IS THE ORDER of the Pollution Control Board:

1. That Southern Illinois Power Company be granted a variance extension of one year, beginning on January 31, 1974, and ending on January 30, 1975. Said variance shall be from Rule 2-2.53 and Rule 203 (g).

2. Any request for re-extension of this variance shall be by petition filed no later than 90 days before termination of this variance grant.

3. All applicable conditions imposed by Board Order PCB 72-238 shall remain in full force and effect.

4. Petitioner shall by 30 days from the date of this order seal its ash pile so as to reduce the possibility of fugitive particulate emissions.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted by the Board on the 13th day of December, 1973, by a vote of 3 to 0.

Christan L. Moffett