

ILLINOIS POLLUTION CONTROL BOARD
October 17, 1980

VILLAGE OF SAUGET,)	
)	
Petitioner,)	
)	
v.)	PCB 80-67
)	
ILLINOIS ENVIRONMENTAL PROTECTION)	
AGENCY,)	
)	
Respondent.)	

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

On June 12, 1980, the Village of Sauget (Sauget) filed an Amendment of Extension of Variance, requesting variance from the nickel and lead effluent limitations of Rule 408(a) of Chapter 3: Water Pollution Regulations. On August 13, 1980, the Environmental Protection Agency (Agency) filed a recommendation to grant variance subject to certain conditions. No hearing was held.

Sauget, located on the Mississippi River in St. Clair County, Illinois, owns and, under contract, causes to be operated a waste treatment plant which discharges into the Mississippi River.

Sauget is also the principal municipality of the American Bottoms Regional Treatment Authority (ABRTA), which is involved in the construction and operation of a proposed regional biological treatment plant that will serve Sauget, East St. Louis, Cahokia, Alorton, and Centerville. The ABRTA was awarded a Step 2 grant on July 18, 1978. The Agency estimates that after the design work is completed, the plant will not become operational for an additional 24-30 months.

On June 22, 1979, the Board granted variance to Sauget until May 1, 1980, for lead and nickel requirements (PCB 79-88). The limitations set were as follows:

	<u>Monthly Average</u>	<u>Daily Maximum</u>
Lead (total)	0.38 mg/l	0.78 mg/l
Nickel (total)	1.77 mg/l	2.68 mg/l

Sauget seeks to have this variance extended until June 30, 1980 (sic) or until the Board rules on the proposed regulation change in R76-21, whichever is sooner. If this proposed change is made, Sauget would be required to meet the following effluent limitations:

	<u>Monthly Average</u>	<u>24-Hour Composite Sample</u>	<u>Individual Grab Sample</u>
Lead (total)	0.2 mg/l	0.4 mg/l	1.0 mg/l
Nickel (total)	1.0 mg/l	2.0 mg/l	5.0 mg/l

Sauget has indicated that it could meet those standards.

Under the PCB 79-80 Order, Sauget was also granted a variance from the oils, fats, and greases limitations of Rule 408(a) until June 30, 1983, since Sauget could not be expected to meet those standards with its present plant. In addition, Sauget was to continue its program to reduce effluent concentrations of lead and nickel to attempt to attain compliance with its present facilities. In an attempt to do so, Sauget has

1. Sampled influents from individual industrial dischargers to determine if there has been an increase in lead and nickel discharges;
2. Adjusted the pH in the treatment facility to attempt to achieve higher metal removal efficiencies; and
3. Tested seven different polymers and/or flocculants to attempt to increase the removal of suspended material.

These efforts have improved the effluent quality to some extent, but not enough to reach present standards. Sauget does not believe, and the Agency does not disagree, that there is any other method to further reduce nickel concentrations using its present facility.

Since Sauget is in the process of completing a new treatment plant under the construction grants program, its immediate compliance with lead and nickel effluent limitations of Rule 408(a) would impose an arbitrary and unreasonable hardship.

The Agency recommends that variance be granted for a period of 30 months (or until April 17, 1983). However, since the variance for oils, fats, and greases granted in PCB 79-80 extends until June 30, 1983, and since Sauget apparently intended to request variance until that date, and since the new treatment facility should be operational at about that time, variance will be granted until June 30, 1983.

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

ORDER

The Village of Sauget is granted a variance from Rule 408(a) of Chapter 3: Water Pollution, as it applies to lead

and nickel until June 30, 1983, or until the American Bottoms Regional Treatment Plant is operational, whichever is sooner, subject to the following conditions:

1. During the term of this variance Petitioner's effluent shall not exceed the following limitations:

	<u>Monthly Average</u>	<u>Daily Maximum</u>
Lead (total)	0.38 mg/l	0.78 mg/l
Nickel (total)	1.77 mg/l	2.68 mg/l

2. Petitioner shall continue its progress as outlined in paragraphs 12 and 13 of Exhibit A of Petitioner's Extension of Variance Petition to reduce effluent concentrations of lead and nickel and shall submit quarterly progress reports to the Agency.
3. Within 45 days of the date of this Order, Petitioner shall execute a Certificate of Acceptance and agreement to be bound by the terms and conditions of this variance. The Certificate shall be forwarded to the Illinois Environmental Protection Agency, Division of Water Pollution Control, Variance Unit, 2200 Churchill Road, Springfield, Illinois, 62706 and shall read as follows:

CERTIFICATION

The Village of Sauget, having read and fully understanding the October 17, 1980, Order of the Illinois Pollution Control Board in PCB 80-67 hereby accepts said Order and agrees to be bound by all terms and conditions thereof.

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 was adopted on the 17th day of October, 1980 by a vote of 4-0.



Christan L. Moffett, Clerk
Illinois Pollution Control Board