

ILLINOIS POLLUTION CONTROL BOARD
January 17, 1974

ALLIED CHEMICAL CORP.)	
PETITIONERS)	
)	
v.)	PCB 73-382
)	
ENVIRONMENTAL PROTECTION AGENCY)	
RESPONDENT)	
)	

EDWARD G. MAAG, ATTORNEY, in behalf of ALLIED CHEMICAL CORP.
 THOMAS A. CENGEL, ASSISTANT ATTORNEY GENERAL, on behalf of the ENVIRONMENTAL PROTECTION AGENCY

INTERIM ORDER OF THE BOARD (by Mr. Marder)

Upon review of the record in the above matter, the Board finds that it can not reach a decision on the basis of the material submitted. Two major points require additional information:

1) Information as to why Petitioner can not within a very short time (30 days) cease from discharging 95% sulphuric acid into its effluent. Why cannot this effluent be hauled to an acid manufacturer for reuse in production of new sulphuric acid as Petitioner does at its Fairmont City plant?

2) The subject of dilution is discussed in the Agency Recommendation (Pg. 6). The Agency, however, does not address itself to the problem as regards Petitioner's ultimate compliance plan. A review of Pet. Exhibit #2 (no disclosure) reveals a total effluent loading of 7.0 mg/l of fluoride and 25 mg/l suspended solids (25 mg/l to be lowered to 15 mg/l). These values, however, are based on total flow, which is about 79% once through cooling water (fluoride 2.4 ppm, suspended solids 4.0 ppm - Pet. Exhibit #2 Pg. 46). Material balances on the proposed abatement plan seemingly would yield the following concentrations:

	Fl mg/l	Susp. Solids mg/l	Diss. Solids mg/l	Comment
KOH Regeneration	0	0	0	No flow
HF Neutralization	48			-
Uranium Recovery	301	-	16,900	-
Sulfide Liquor	-	28	8,860	-
Wastes				
Spent Sulphuric Acid	-	-	-	See Item #1

Rule 408 has the following maximum values:

Fluoride	-	2.5 mg/l
Susp. Solids	-	15.0 mg/l
Diss. Solids	-	3500 mg/l

It would seem, then, that on the surface Petitioner's compliance plans for HF Neutralization, uranium recovery, and sulfide liquor wastes will not meet the required levels without the aid of the dilution effect of once through cooling water. Indeed, it will not even meet the 7 mg/l fluoride levels it is requesting. The Board requires more information on the rationale for these seeming contradictions from both parties.

ORDER

IT IS THE ORDER of the Pollution Control Board that:

1. Within 21 days of the date of this Order, the parties herein shall file information relevant to the two major points discussed above.

2. The parties herein are granted leave to file, within seven (7) days of the expiration of the period specified in 1. above, briefs in reply to the information filed by the opposing party.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted on this 17th day of January, 1974 by a vote of 5-0.

Christan L. Moffett