



8-30-72  
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STATE OF COLORADO DEPARTMENT OF PUBLIC HEALTH

4210 EAST 11TH AVENUE • DENVER, COLORADO 80220 • PHONE 388-6111

R. L. CLEERE, M.D., M.P.H., DIRECTOR

August 22, 1972

Allied Chemical Company  
Box 228  
Boulder, Colorado 80302

ATTN: Mr. John Perry, Manager

Dear Mr. Perry:

Enclosed, please find a copy of my report of my visit to the Allied Valmont mill.

Note that I have checked space 3, under Recommendation because I simply do not know what the situation is. As I mentioned to Mr. Goble, I had been under the impression that your mill had no discharge but found that you have two -- one to the Irrigation ditch, northwest of the mill, and one from the tailings pile to the Public Service Valmont plant cooling ponds.

It appears probable that the gland seal water is of no moment, but the boiler blowdown may be -- so far as the water to the Irrigation ditch is concerned. I am more concerned with the discharge to the Public Service ponds. Mr. Goble did not know the quantities involved and I would appreciate your making a check of how much water is sent to the ponds per month/day/week, or other convenient period. I plan to have a sample picked up of the water at the discharge pump location, for analysis. Whoever picks up the sample will identify himself and we will be glad to split the sample with you, should you desire. Just let the sampler know. Probably, the items we are most interested in will be fluoride, sodium, calcium, total hardness, pH, and possibly organic matter, though this should be minimal.

Very truly yours,

FOR DIRECTOR, WATER POLLUTION CONTROL DIVISION

E. B. Pugsley, P.E.  
District Engineer

EBP:dls

cc: Boulder City-County Health Department

Water Pollution Control Division  
4910 East 11th Avenue  
Denver, Colorado 80220

Location Boulder (Valmont A)  
County Boulder  
Corps of Engineers Permit No. N/A  
Date of permit None applicable

River Basin Missouri  
Receiving stream Boulder Cr  
Receiving stream classification B2-C-D1

INDUSTRIAL WASTE WATER FACILITY INSPECTION SHEET

Principal products or service of the plant: Calcium fluoride

Principal raw materials used: lime

Operation: Year round ; Seasonal (From \_\_\_\_\_ to \_\_\_\_\_)

Types of discharge

Waste discharges to:	Sanitary Sewage		Industrial (including boiler blowdown)		Non-contact cooling	Equipment Washwater	Other (Explain below)
	Treated	Untreated	Treated	Untreated			
Public sewer Name							
Surface water Name <u>Paradise (Valmont)</u>							<input checked="" type="checkbox"/>
Volume of discharge	<u>Barker blowdown goes to irrig. ditch with small amount of gland seal water.</u>						
Septic tank		<input checked="" type="checkbox"/>					

If non-contact cooling water is discharged to a surface water body, give temperature of discharge: \_\_\_\_\_ °F.; and of water body before receiving discharge: \_\_\_\_\_ °F.; and of body after receiving discharge and adequate mixing: \_\_\_\_\_ °F.

If industrial wastes (treated or untreated) are discharged to a sewer system, describe any problems caused by the wastes at the treatment facilities:  
Most flotation process water is recycled. Tailings pond excess is pumped to P.S.Co. Valmont cooling ponds.

Compliance:  
Date of last sampling \_\_\_\_\_ . Percent BOD reduction \_\_\_\_\_ .  
Sample taken this inspection? Yes \_\_\_\_\_ No \_\_\_\_\_ .  
(Attach analyses results to this report when results are available.)  
Does discharge cause stream classification violation? Yes \_\_\_\_\_ No \_\_\_\_\_ ;  
Does degree of treatment meet legal standards (Refer to WATER QUALITY STANDARDS FOR COLORADO)? Yes \_\_\_\_\_ No \_\_\_\_\_ .

Treatment: Describe treatment facility of this plant. Use back side of this sheet if necessary, including sketches if appropriate.

Recommendation: (check one):  
\_\_\_\_ 1. The plant is in violation of \_\_\_\_\_ . Issue Cease and Desist Order.  
\_\_\_\_ 2. The plant is in violation of \_\_\_\_\_ . Place the plant on abatement schedule. Recommended date for compliance \_\_\_\_\_ ;  
 3. Conduct further surveillance.  
\_\_\_\_ 4. The plant has a discharge and is in compliance.  
\_\_\_\_ 5. The plant is not a water pollution source. Eliminate from consideration.  
\_\_\_\_ 6. Other. Explain Letter to follow.

Manager, President, Owner John Perry Person interviewed R.L. Goble  
Mailing address Hilled Chemical Co.  
Box 228  
Boulder zip 80302  
Public Health Engineer E.B. Pustler Date of this report 8/17/72