

BOULDER CITY-COUNTY HEALTH DEPARTMENT

3450 Broadway
Boulder, Colorado
Telephone 442-5926

Room 219
Woolworth Building
Longmont, Colorado
Telephone 776-5743

SPECIAL SANITATION REPORT

Name of Establishment Allied Chemical Corp.
Address Valmont Mill Type of Establishment _____
Person Interviewed _____ Telephone Number _____
Purpose of Visit ~~Exam~~ Sodium Cyanide disposal

30 gal. drum of old sodium cyanide needs to be disposed of by Allied Chem. They want suggestions.

Larry Rabius indicated the following chemical treatment:

49 lbs. of sodium cyanide can be treated with ^{71 lbs. of} chlorine or sodium hypochlorite; this yields 72 lbs. HCl plus ^{or cyanogen chloride} sodium cyanate. (pH should be kept near pH 7-8; it would normally be about 3).

Then add 75 lbs. slacked lime for neutralization. Should then be OK for land disposal or dripping into sewer.

Ed Pugsley indicated they should also check with C.U. Chem. Eng. people.

We will inquire of Arapahoe Chem. r.e. disposal as is at their Lyons site.

Date 3-30-70

Owner or Representative _____

Sanitarian Robert E. Tripley

Copy



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NOV 10 1970

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STATE OF COLORADO DEPARTMENT OF HEALTH

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

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

November 10, 1970

Mr. Harry Puttuck, Superintendent
Allied Chemical Corporation
Valmont Plant
Boulder, Colorado 80203

Dear Mr. Puttuck:

On October 1, 1970, I visited your plant to collect water samples from your mill tailings pond and from domestic wells in the vicinity. Because of the results of our past sampling activities around your plant, as reported in our letters dated October 2 and September 24, 1969, June 28, 1968 and March 31, 1967, and the potential existent in the pond, we deem it advisable to routinely sample this particular locale.

The samples taken on October 1, 1970 were analyzed for radioactivity and fluoride content by our laboratory. The results of these analyses are tabulated below:

Source	Fluoride (ppm)	Radioactivity (picocuries/liter)		
		Gross	Gross	Ra 226
Pond sump	80.0	176.6 ± 24.5	37.0 ± 12.6	11.80 ± 0.53
Office tap	1.1	2.5 ± 12.1	ND	0.19 ± 0.10
5868 Valmont Road	1.6	20.7 ± 17.7	ND	0.54 ± 0.13
5987 Valmont Road	2.4	10.0 ± 16.7	ND	0.50 ± 0.13
6025 Valmont Road	2.4	8.0 ± 16.8	ND	1.00 ± 0.17
6188 Valmont Road	1.4	13.5 ± 14.2	ND	1.30 ± 0.19
6327 Valmont Road	0.9	34.8 ± 22.0	ND	0.62 ± 0.14
6379 Valmont Road	1.1	37.7 ± 19.9	10.5 ± 9.9	0.35 ± 0.12
6717 Valmont Road*	0.7	48.4 ± 27.5	14.3 ± 11.4	6.19 ± 0.39
6903 Valmont Road	0.5	6.6 ± 11.1	ND	0.20 ± 0.10

Note: ppm = parts per million
ND = not available
* = outside tap - unsoftened water

Comparing these results with those obtained in the past, there has been no increase in the fluoride levels, and a change in radioactivity levels has not been clearly defined. Resampling of the 6717 Valmont Road location will be accomplished in the near future.

Should you have any questions or comments regarding these findings and/or resampling, please do not hesitate to contact this office.

Sincerely,
[Signature]
A. J. Hazle
Health Physicist

AJH:vam

✓cc: Boulder City-County Health Department

[Handwritten notes]