

RECEIVED S.E.D.

OCT 3 10 51 AM '80

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DS work w/
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*Case # 022 10/20
DO/DS*

OCT 14 1980
TRAIL

October 1, 1980

Mr. James R. Reyburn
Toxic & Hazardous Waste Investigator
Department of Natural Resources
9722 W. Watertown Plank Road
P.O.Box 13248
Milwaukee, WI 53213

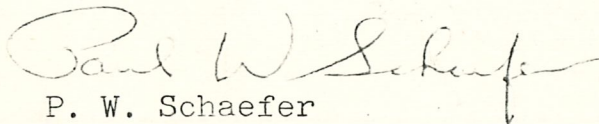
Dear Mr. Reyburn:

I am enclosing a copy of the analysis of the six samples we took from the dump site in the Town of Wayne.

After you review the results, please call me and we can discuss what action should be taken.

Sincerely,

FREEMAN CHEMICAL CORPORATION



P. W. Schaefer
Plant Manager

PWS/sms

Enclosures

INTERNAL CORRESPONDENCE

TO P. W. Schaefer FROM R. A. Fermanian DATE 9/25/80
SUBJECT ANALYSIS OF DUMP SITE COPIES TO J. K. Harvey
SAMPLES G. L. Schwebke
D. Gorjestani

Analysis of the six samples you submitted has shown them to have the following compositions:

Sample #1

NVM = 93.6%
Inorganics = .17%

The resin present is a DEG/PG/IPA/FA/MA polyester. There are no organic solvents and only a trace of free glycols. The balance of the volatiles present is water. The inorganic matter is SiO₂.

Sample #2

NVM = 84.0%
Inorganics = .16%

The resin and organic volatiles present could not be identified. They contain no phosphorus, nitrogen, or halogens. The inorganic matter present is a mixture of silica and calcium carbonate.

Sample #3

NVM = 72.5%
Inorganics = 6.5%

The resin present is an isophthalic alkyd. Volatiles present include 2-3% xylene, 1-2% mineral spirits, and 1-2% SC-100 with the balance being water. The inorganics present are a mixture of silica and calcium carbonate.

Sample #4

NVM = 94.1%
Inorganics = 47.5%

The resin is styrene/acrylic modified o-phthalic alkyd. There are no organic solvents present. The inorganic material is silica.

Sample #5

NVM = 93.6%
Inorganics = 90.7%

The resin is a styrene/acrylic modified o-phthalic alkyd. Volatiles include a trace of xylene, and possibly styrene, the balance is water. The inorganics are a mixture of silica and calcium carbonate.

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P. W. Schaefer

Sample #6

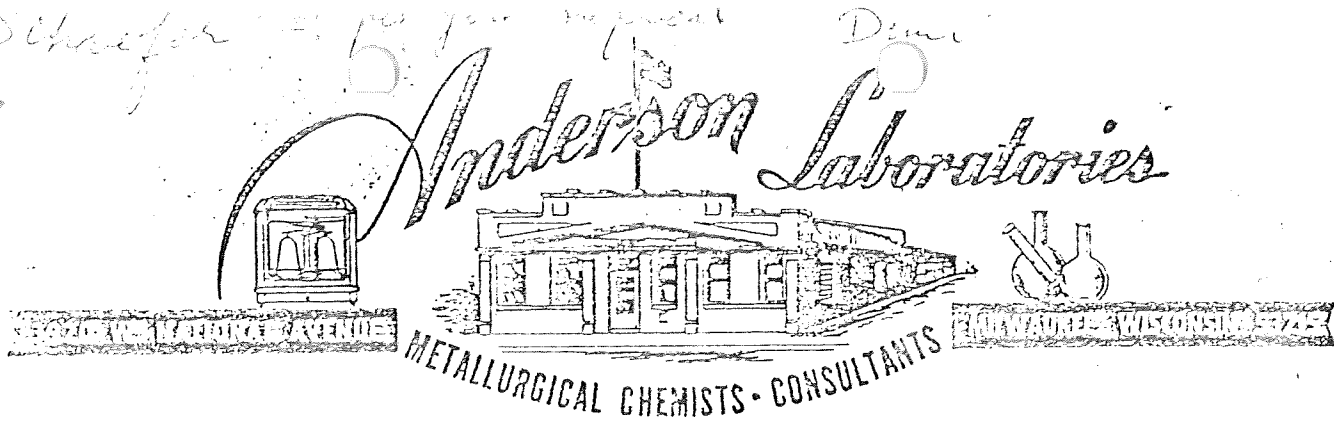
NVM = 67.1%
Inorganics = 11.9%

The resin is a styrenated o-phthalic alkyd. Volatiles include 10-12% xylene, 3-5% mineral spirits, and 7-8% SC-100, the balance being water. The inorganics are calcium carbonate and silica.

No chlorine or bromine was detected in any of the samples. The samples were also sent out for metals analysis and we will send you a copy of the results when we receive them.

Deer -S.K.
R. A. Fermanian

RAF/sk



PHONE 645-4200
September 29, 1980

Freeman Chem.
Freeman Drive,
Port Washington, Wisc. 53074

Dear Sir:

We have completed the following semi-quantitative spectrographic analysis on your samples submitted to us per your P.O.# B4233. The results are reported in PPM.

ELEMENT	LAB#33538 #1	33539 #2	33540 #3	33541 #4	33542 #5	33543 #6
Silicon	80	40	20000	15000	110000	60000
Phosphorus	none	250	none	none	none	none
Manganese	1	3	10	10	5	100
Chromium	.5	.1	none	none	none	none
Nickel	1	.1	none	none	none	none
Molybdenum	none	none	none	none	none	none
Copper	1	1	10	2	5	10
Vanadium	1	none	none	none	200	none
Iron	100	400	2000	1000	4000	10000
Tungsten	none	none	none	none	none	none
Columbium	none	none	none	none	none	none
Cobalt	none	none	none	none	none	none
Antimony	1	none	none	60	none	none
Tin	.3	1	none	none	none	none
Lead	.2	1	1	40	100	none
Aluminum	40	30	4000	5000	17000	20000
Zinc	none	none	none	none	none	none
Magnesium	10	30	2000	2500	1200	30000
Titanium	2	5	200	200	900	2000
Arsenic	none	none	none	none	none	none
Bismuth	none	none	none	none	none	none
Calcium	100	400	10000	19000	4000	120000
Sodium	10	500	500	12000	43000	3000

Very truly yours,

ANDERSON LABORATORIES

Ralph B. Meyer
Ralph B. Meyer, Metallurgist

Sample locations - 8-18-80 - In cages

#1 - Drum at top hill with no core on it
white glue like material.
#2 - Drum at top which was opened by us
at the time of sampling. Red liquid -
Sludge mixture.

#3 - Sample of material that had flowed
down the hill - yellow spongy material
approx 1 inch thick.

#4 - open drum with hard wet like material.
Diatomaceous earth.

#5 - Soil under pad & near at bottom
of ravine

#6 - Soil resin at bottom of hill

4-6 inches of new part of bottom
of hill.