

BEFORE RECOATING

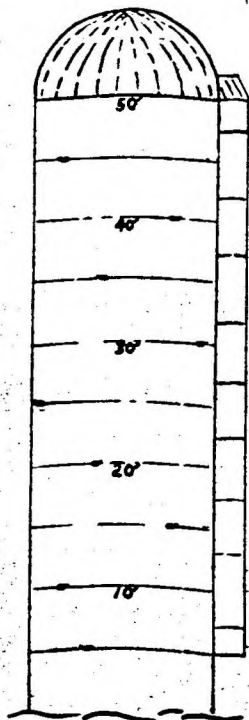
THOROSEAL

AFTER RECOATING

Updates
Nov. 1972 Sheet.

DATE PPM OF PCB MATERIAL

MATERIAL PPM OF PCB DATE PPM OF PCB DATE



5-3-72 20,155.000 Scrapings
 5-3-72 7,131.885 Silage
 5-3-72 103.017 Silage

Silage 0.132 6-28-72

2006140

Silage 0.128 7-26-72 0.061 11-25-72

Silage 0.081 8-9-72 0.051 12-16-72

Silage 0.081 8-9-72 0.065 12-27-72

Silage 0.271 8-18-72 0.020 1-10-73

Silage 0.271 8-18-72 0.072 1-23-73

Silage 0.382 8-29-72 0.080 2-3-73

Silage 0.424 9-12-72 0.099 2-16-73

Silage 0.237 9-26-72

Silage 0.286 10-10-72

1. Silo was built and coated with a material that contained PCBs in 1957.

2. The silo cleaned with a wire brush, coating was Thoroseal_R hydraulic cement with an Acryl-60_R bonder on 6-5-72. - Standard Dry Wall Inc., Miami, Florida

3. The silo was filled with chopped grass 6-17-72 and opened 6-24-72

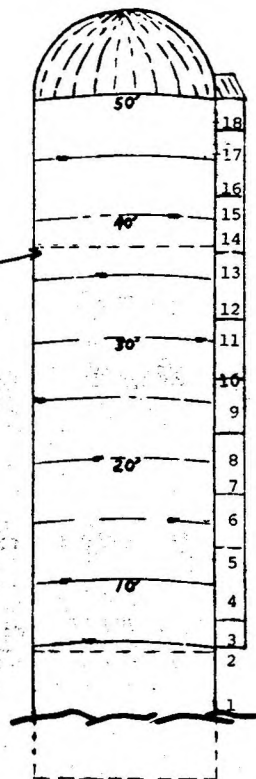
4. The silo was refilled with chopped corn in late October 1972.

BEFORE RECOATING

DATE PPM OF PCB MATERIAL

Water Based Epoxy

Coating Level



9-7-72	314.017	Scrapings
7-5-72	5.111	Silage
7-5-72	8.037	Silage
9-7-72	175.365	Scrapings
9-7-72	705.236	Scrapings
6-15-70	0.987	Silage
6-15-70	0.033	Silage
9-9-70	4.900	Scrapings
9-9-70	3.600	Scrapings

AFTER RECOATING

MATERIAL PPM OF PCB DATE PPM OF PCB DATE

MATERIAL	PPM OF PCB	DATE	PPM OF PCB	DATE
Silage	20.677	10-30-72	8886140	
Silage	52.536	11-7-72		
Silage	58.997	11-10-72	13.433	2-27-73
Silage	28.798	11-16-72	18.225	3-2-73
Silage	1.909	11-22-72	1.311	3-6-73
Silage	1.171	11-30-72	0.693	3-12-73
Silage	0.855	12-5-72	0.403	3-16-73
Silage	0.843	12-8-72		
Silage	1.062	12-19-72		
Silage	0.569	12-22-72		
Silage	1.007	1-5-73		
Silage	0.883	1-9-73		
Silage	0.615	1-12-73		
Silage	0.351	1-19-73		
Silage	0.373			
Silage	0.481			
Silage	1.564			

1. Silo was built and coated with a material that contained PCBs in 1954.

2. In 1966 lower 8 feet and the pit were coated with Silenzcrete, Universal Cooperatives, Alliance, Ohio.

3. On 9-16-72 the silo was cleaned and recoated with Water based Epoxy - Action! Plastic, Inc. Charlotte, Michigan; from the base of the pit to 37 feet above ground level.

4. The silo was filled with chopped corn 10-5-72 and was opened 10-30-72

5. The silo was filled with corn silage from stack silo 2-9-73.

ES SILO
8-18-1972

History

Michigan Silo	14 X 50	
Built		1958
Coated	Cumar	1958
	Glazed	1967
	Concrete plaster	1970 (30 ft)

Condition

Plaster coating was hard except for blisters where the surface was not adequately cleaned.
The silo was not adequately cleaned before plastering.
The Cumar was not visible above the concrete plaster.

Comments

The operator has not fed from this silo for one year because he was afraid of possible PCB contamination. Thus the silo was filled only once since the plaster-coating was applied.
Has two other silos available that he now uses.

PCB levels, (Aroclor 1254)

Scraping of plaster surface	1.014 ppm
Scraping where plaster failed	178.079 ppm
Scraping above plaster	304.755 ppm
Silage adjacent to wall	33.603 ppm
Milk from bulk tank	0.028 ppm

L. B. Willett January 1973

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