

Office Memorandum

and Location)	DATE
Mr. C. J. Duey - Bay City	July 20, 1976
and Location)	REFERENCE NO.
E. S. Ramey - CCCTC	ESR-291-76

Analysis of Bay City Plant Insulation Samples/Asbestos

Enclosed is the asbestos data for the five insulation samples you sent to me. Samples 1 and 2 did not contain asbestos. Samples 3, 4, and 5 did contain asbestos.

These identifications were made on the Scanning Electron Microscope (SEM) by Dr. P. B. DeGroot. A report detailing the SEM method for asbestos identification will be completed soon.

Any additional identification of these samples such as trade names, source, installation date, etc may be of value to me and our air monitoring chemists at the other Celanese Chemical Company plants.

If we can be of additional help with analytical problems, let us know.

SR:eem



(Mr. R. M. Guedin - CCCTC
 Dr. R. F. Stubbeman - CCCTC
 Dr. B. J. Bland - CCCTC
 Dr. P. B. DeGroot - CCCTC
 Mr. J. Hawthorne - CCCTC
 Mr. J. M. Ramey - NYO
 Mr. C. Laubly - NYO
 Ms. S. L. White - Bay City
 Ms. Ann Retherford - Bishop
 Mr. R. E. Green - Clear Lake
 Mr. M. R. Stenzel - Pampa

45294

PLAINTIFF'S
 EXHIBIT
 CEL-593

008374

REMARKS SAMPLES ARE NUMERICAL / TANDARD 5
IS THERE ANY ASBESTOS PRESENT?

PROJECT ANALYST APPROVAL: (Before) ELC (After) ELC (Date) 13 JUL 76

SAMPLE IDENTIFICATION	ANALYZE FOR: COMPOUND OR FUNCTIONAL GROUP				ANALYZE FOR: ELEMENTS Asbestos						
	Method No.	Method No.	Method No.	Form	Major	Mixtur	Trace	Method No.	Method No.	Method No.	
-1	No asbestos found			Tin flakes <i>Fibrous coarse particles</i>	Si, Al	K, Na	Fe				
-2	No asbestos found				Ca, Si	Al	Fe, Ca?				
-3	Asbestos present	Probably possibly amorphous Anthophyllite		Fibers Particles Fibers Particles Fibers Particles	Fe, Si Ca, Si Si, Ca Mg Si, Ga Fe, Si Si, Ca	Mg Mn Al Al Al, Fe Na, Al Mg					
-4	Asbestos Present	(Chrysotile)									
-5	Asbestos Present	(Amphibole) probably crocidolite									
						</					

Analytical work completed as requested above: P. D. DeGroot 7/13/16
Signed Date

008375

ESR-292-76

J. M. Ramey

Oil Mist Analysis

cc: Mr. E. Green - Clear Lake
Ms. J. L. White - Bay City
Mr. M. Stenzel - Pampa
Ms. A. Retherford - Bishop
Mr. R. M. Guedin - CCCTC
Mr. J. M. Ramey - NYO
Dr. R. F. Stubbeman

554

oring

18

A

008376