

Ext. 269

EVTH IRON WORKS CORPORATION
Bath, Maine
TECHNICAL DEPARTMENT
Chemical and Metallurgical Laboratory

Report of Analysis
#L5790

Date: 12 Sept. 1966

To: A. L. Haskins

PLAINTIFF'S
EXHIBIT

U-557

Subject: Dust Survey - Piping Insulation Materials

Ref: (a) BIW Lab Reports of Analysis Nos. L5755 and L5768

1. The Laboratory has completed the retesting of the five samples tested under reference (a) using the same procedure and conditions.
2. A total of three complete tests have been performed on each sample.
3. Average test results, in millions of particles per cubic foot (MPPCF), of total airborne dust are tabulated below:

	Unibestos MPPCF	Thermosil MPPCF	Kaylo MPPCF	Cal-silite MPPCF	Thermobestos MPPCF
Ambient	6.6	7.1	8.3	4.9	4.9
3rd Cut	28.5	46.1	19.7	30.9	15.0
6th Cut	28.5	52.9	17.4	34.8	19.5
1 min. after	7.3	31.6	7.3	9.6	4.4

*Tested with cloth removed

L. E. Temple
L. E. Temple
Chief Chemist & Metallurgist

LET:F

CC:
ALH(2)✓
LABeers
LET

42 008 0179

(DUST REPORT)
LAB 9-1-66

Dust Survey Pipe Insulation 9-12-6

	Unibestos 6.2	Thermosil 6.2	Kaylo 7.2	Calcilite 8.2	Thermob 12.3
	MPPCF	MPPCF	MPPCF	MPPCF	MPPCF
Ambient	6.6	7.1	8.3	4.9	4.9
3rd cut	28.5	46.1	19.7	30.9	15.0
th cut	28.5	52.9	17.4	34.8	19.5
min after	7.3	31.6	7.3	9.6	4.4
Note: Data reported is the average of three tests on each sample. L.E. Temple 42 008 0183					

	Standard CIP.		Elemental %		As found 20%		Calculated %		Theoretical %	
1st	5.6	9.03	7.1	9.26	8.3	1.66	7.9	1.072	7.9	1.035
2nd	8.5	12.9	9.6	2.76	19.7	3.79	22.7	2.47	15.6	1.95
3rd	11.5	17.9	52.9	2.12	17.9	2.98	29.8	2.78	11.5	2.51
4th	7.3	9.45	31.6	1.49	7.3	1.46	7.6	2.75	9.4	1.57

42 008 0181

42 008 0184