

FILE NAME: Keene (KNE)

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Report on Asbestos Samples

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Memo Ex # 12

MEMO NO. OWH/83/09

AMERADA HESS CORPORATION

DATE 1/19/83

INTEROFFICE CORRESPONDENCE

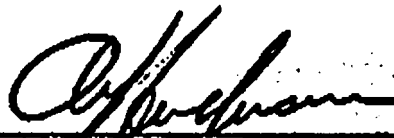
TO: M. Jones - Safety & Fire Protection - HOVIC
FROM: O. W. Henderson - Corporate Safety & Fire Protection - MB
SUBJECT: ASBESTOS SAMPLES

The enclosed reports confirm our telephone conversations regarding asbestos content of samples from your facility. Thermacil Calcium Silicate by Keene Corp. from the insulators warehouse (labeled asbestos free on the bag), should be removed from the warehouse and disposed of.

The OSHA standard, in a removal/demolition activity, requires protective steps and equipment for high level exposures whether such exposure exists or not. A stringent recordkeeping system to maintain information on reinsulated equipment would eliminate very costly work practices when non-asbestos material is removed in the future.

Individual sampling of various areas and/or jobs will be required as they are planned and scheduled. If the material to be removed was not asbestos bearing, this would eliminate some of the very stringent protective practices.

We will continue to assemble further information and provide all possible assistance.


O. W. Henderson

OWH/mt
attach.

cc: R. Sagebien - HOVIC - w/attach.
R. F. Wright - MB - w/attach.

WB #1-82

WB #2-82

WB #4-82

PLAINTIFF'S
EXHIBIT

6152

List of Asbestos Samples from St. Croix taken during visit with Paul Sikoris the week of November 15th.

Sample #1 Insulation being removed from the Vis-breaker and being discarded.

Sample #2 Kaylo-10 by Owens-Corning was taken from a box of new material at the Vis-breaker job.

Sample #3 John Mansville Thermo-12 by John Manville - removed from a box of new material at the Vis-breaker.

Note: The previous samples were all taken at the Vis-breaker, and the following samples were all taken from new packages.

Sample #4 John Manville Thermo-12

Sample #5 Kaylo-10 manufactured by Dresser (Subsidiary of Owens-Corning)

Sample #6 PABCO Super Cal Temp insulation

Sample #7 Thermafil calcium silicate by Keene Corp.

Sample #8 Calsilite by H.W. Dresser

Sample #9 Fiberfrax by Carborundum (listed as a ceramic fiber textile)

Sample #10 Keene Super Powerhouse cement (notice on bag lists as asbestos-free)

Sample #11 A.P. Greene Refractory cement castable insulation #22.

Sample #12 H.T. Savage Refractory #1:2:4 LHV premixed refractory.

Sample #13 Calcium lumnite by A.P. Greene

Sample #14 Asbestos-free high temp master by Delta

Sample #15 Sample of in-service insulation from the #1 Sulfonate unit at St. Croix

Sample #16 Sample of in-service insulation from the #1 Sulfonate unit at St. Croix

Sample #17 #2 DU at St. Croix

Sample #18 #2 DU at St. Croix

AMERADA HESS CORPORATION
CORPORATE SAFETY & FIRE PROTECTION

LABORATORY ANALYSIS REPORT

FACILITY/DATE-- HOVIC - 11/82

FILE #	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
	Removed and dis- carded from Vis- breaker	11/17/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample mostly cellulose fibers in talc.
	New material in Kaylo-10 box at Vis-breaker job	11/17/82	12/8/82	NATLSCO	Bulk	No asbestos, sample mostly cellulose fibers in talc.
	New material removed from Thermo-12 box at the Vis- breaker	11/17/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample mostly synthetic fibers in talc, 8.6% quartz present
NOTE: Following samples all taken from original packages at the insulator's warehouse.						
	Johns Manville Thermo-12	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample mostly synthetic fibers in talc, 5.0% quartz present
	Kaylo-10 by Owens Corning	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains cellulose fibers in talc.

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FACILITY/DATE-- HOVIC - 11/

LABORATORY ANALYSIS REPORT

SAMPLE NUMBER	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
6	PABCO Super Cal Temp	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains synthetic & cellulose fibers in talc.
7	Thermasil calcium silicate by Keene Corp.	11/19/82	12/8/82	NATLSCO	Bulk	Sample contains 20-25% amosite asbestos
8	Calnilite by Dresser	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains cellulose fibers in binder material.
9	Fiberfrax by Carborundum (listed on container as a ceramic fiber textile)	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains fiberglass & synthetic fibers
10	Keene Super Powerhouse cement (bag legend lists as asbestos free)	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains mineral wool in binder material
11	A.P. Greene Refractory cement castable insulation #22	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains crystalline free silica & binder material, less than 1.0% quartz, 3.6% pyrobalite

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LABORATORY ANALYSIS REPORT

FACILITY/DATE-- NOVIC - 11/82

FILE BER	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
	H.T. Savage Re- fractory #1:2:4 LHV premixed refractory	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains quartz & binder material. 6.1% quartz.
	Calcium lumnite by A.P. Greene	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample is binder material
	Asbestos-free high temp master by Delta	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample is mineral wool in binder material
N: The following samples were taken from in-service equipment.						
	#1 Sulfonate unit	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains synthetic fibers in binder material
	#1 Sulfonate unit	11/19/82	12/8/82	NATLSCO	Bulk	No asbestos present, sample contains synthetic fibers in binder material
	#2 DU	11/19/82	12/8/82	NATLSCO	Bulk	Sample contains 20-25% amosite asbestos

FACILITY/DATE-- NOVIC - 11/82

1: Method - Asbestos-polarized light dispersion staining microscopy.
X Quartz-X-Ray diffraction. Z Cristobalite-X-Ray diffraction.

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INSULATION SAMPLES - 4 LABOR

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LABORATORY ANALYSIS REPORT

FACILITY/DATE-- BOVIC - 11/82

SAMPLE NUMBER	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
	Received in the field from an insulator. Represented (in error) to be calcium silicate	11/1/82	11/8/82	NATLSCO	Bulk	Sample contains 25-30% chrysotile asbestos
	Received in field from insulator personnel.	11/1/82	11/8/82	NATLSCO	Bulk	Sample contains 30-35% amosite asbestos
						NOTE: Method - dispersion staining microscopy

LABORATORY ANALYSIS REPORT

PLE BER	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
	Penex	11/30/82	12/21/82	NATLSCO	Bulk	No asbestos present, some synthetic fibers and fiberglass present in binder material. 11% Quarts.
	Penex	11/30/82	12/21/82	NATLSCO	Bulk	No asbestos present, some cellulose fibers present in binder material.
	#3 DU	11/30/82	12/21/82	NATLSCO	Bulk	Approximately 15% chrysotile asbestos in binder material.
	#3 DU	11/30/82	12/21/82	NATLSCO	Bulk	Approximately 25% amosite asbestos in binder material.
	#3 CDU	11/30/82	12/21/82	NATLSCO	Bulk	Approximately 15% amosite asbestos in binder material.
	#3 CDU	11/30/82	12/21/82	NATLSCO	Bulk	Approximately 25% amosite asbestos in binder material.
	#2 CDU	11/30/82	12/21/82	NATLSCO	Bulk	No asbestos present. Some synthetic fibers and fiberglass present in binder material. 5.2% Quarts.

LABORATORY ANALYSIS REPORT

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CORPORATE SAFETY & FIRE PROTECTION

INSULATION SAMPLES - 14 EACH

FACILITY/DATE-- NOVIC - 12/82

AMPLE NUMBER	REPRESENTATIVE LOCATION	DATE OF SAMPLING	REPORT RECEIVED	ANALYZING LABORATORY	TYPE OF SAMPLE	RESULTS OF ANALYSIS
8	72 CDU	11/30/82	12/21/82	NATLSCO	Bulk	No asbestos present. Some cellulose fibers present in binder material.
9	4 DD	12/3/82	12/21/82	NATLSCO	Bulk	Approximately 15% amosite asbestos in binder material.
10	4 DD	12/3/82	12/21/82	NATLSCO	Bulk	Approximately 15% amosite asbestos in binder material.
11	5 DD	12/3/82	12/21/82	NATLSCO	Bulk	Approximately 20% amosite asbestos in binder material.
12	5 DD	12/3/82	12/21/82	NATLSCO	Bulk	No asbestos present. Some cellulose fibers present in binder material.
13	Naphtha Fraction- ation	12/3/82	12/21/82	NATLSCO	Bulk	Approximately 15% amosite asbestos in binder material.

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INSULATION SAMPLES - 14 EACH

LABORATORY ANALYSIS REPORT

FACILITY/DATE-- NOVIC - 12/82

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