ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

April 16. 1986

Guy L. Arbaugh
Union Carbide Corp.- Institute Plant
Building #2 Room 172
P.O. Box 2831
Charleston, W.V. 26062

Mr. Arbaugh,

The following bulk asbestos analysis results pertain to samples received on 4/15/86. Please note that all analysis of bulk asbestos samples are analyzed per EPA procedural recommendations concerning bulk asbestos analysis using polarized light microscopy. Thank you for your consideration.

ANALYSIS RESULTS

Sample #1

Taken by
C. Burriss

0%-Asbestos
5%-Paint
95%-Magnesite

Sample #2

Taken by
C. Miller

0%-Asbestos
1%-Mineral Wool
99%-Calcite

Respectfully submitted,

John S. Ferrell

AU4021

PLAINTIFF'S EXHIBIT
UC-1326

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ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

April 16, 1986

RECEIVED
APR 21 1986
SAFETY - I. H.

Erik A. Osby
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2331
Charleston. W.V. 25330

Mr. Osby,

The bulk insulation sample results pertain to samples received on 4/17/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning analysis of bulk insulation using polarized light microscopy.

ANALYSIS RESULTS

Sample #1

Mechanical Room,
first floor-Bldg. 304

20%-Asbestos
(5%-Amosite)
(15%-Chrysotile)
15%-Mineral Wool
65%-Clay

Sample #2

Wall Panel,
second floor-Bldg. 304

20%-Asbestos
(20%-Chrysotile)
55%-Cellulose
20%-Clay
5%-Glue

Sample #3

Furnace Insulation,
second floor-Bldg. 304

25%-Asbestos
(5%-Amosite)
(20%-Chrysotile)
60%-Mineral Wool
15%-Clay

Sample #4

Pipe Insulation,
second floor-Bldg. 304

20%-Asbestos
(15%-Amosite)
(5%-Chrysotile)
80%-Clay

Sample #5

Ceiling Tile,
third floor, Bldg. 304

0%-Asbestos
95%-Cellulose
5%-Glue

Sample #6

Ceiling Panel,
third floor, Bldg. 304

0%-Asbestos
95%-Mineral Wool
5%-Clay

Respectfully submitted,

John S. Ferrell

John S. Ferrell
Industrial Hygienist

ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

April 16. 1986

Guy L. Arbaugh
Union Carbide Corp.- Institute Plant
Building #2 Room 172
P.O. Box 2831
Charleston, W.V. 26062

Mr. Arbaugh,

The following bulk asbestos analysis results pertain to samples received on 4/15/86. Please note that all analysis of bulk asbestos samples are analyzed per EPA procedural recommendations concerning bulk asbestos analysis using polarized light microscopy. Thank you for your consideration.

ANALYSIS RESULTS

Sample #1

Taken by
C. Burriss

0%-Asbestos
5%-Paint
95%-Magnesite

Sample #2

Taken by
C. Miller

0%-Asbestos
1%-Mineral Wool
99%-Calcite

Respectfully submitted,

John S. Ferrell

ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

SCHEDULE OF FEES

*Bulk Asbestos Analysis: (cumulative weekly rate)	1-9 samples	$30.00/sample
	10-19 samples	$25.00/sample
	20 or more	$20.00/sample
*Airborne Asbestos Analysis: (cumulative weekly rate)	1-9 samples	$20.00/sample
	10 or more	$15.00/sample

*Consultation Rates: $40.00/hour (daily rates are available upon request)

JSF 3/86

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ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

May 27, 1986

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MAY 28 1986
SAFETY - I. H.

Erik A. Csby
Industrial Hygiene Dept.
Union Carbide Corporation
P.C. Box 2831
Charleston. W.V. 25330

The following bulk asbestos analysis results pertain to samples received 5/22/86. Respective sample results and locations are listed below. All bulk asbestos samples are analyzed per EPA recommendations concerning bulk asbestos analysis using polarized light microscopy.

ANALYSIS RESULTS

Sample #1

Yellow Insulation

0%-Asbestos
2%-Mineral Wool
98%-Foam Glass

Sample #2

Gray Insulation

10%-Asbestos
(5%-Amosite)
(5%-Chrysotile)
90%-Clay

Sample #3

Insulation #12,
Boiler, #2 steam plant

5%-Asbestos (Amosite)
95%-Filler Binder

Respectfully submitted,

John S. Ferrell

John S. Ferrell
Industrial Hygienist

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ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

June 5, 1986

RECEIVED
JUN 9 1986
SAFETY - I. H.

Erik A. Osby
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2331
Charleston, W.V. 25330

The following analysis result pertain to samples received 6/3/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning analysis of bulk insulation using polarized light microscopy.

ANALYSIS RESULTS

Sample #1

Phosgene Control Room
Insulation-Steamline

15%-Asbestos
(15% Amosite)
85%-Clay

Respectfully submitted,

John S. Ferrell

John S. Ferrell
Industrial Hygienist

ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

RECEIVED
JUN 9 1986
SAFETY - I. H.

June 6, 1986

Erik A. Osby
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2831
Charleston, W.V. 25330

The following analysis results pertain to samples received 6/6/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning analysis of bulk insulation using polarized light microscopy.

ANALYSIS RESULTS

Sample #1

Building 303.
Basement Ceiling Tile

0%-Asbestos
30%-Mineral Wool
5%-Cellulose
5%-Glue

Sample #2

Building 303.
Southeastern Pipe
Insulation

25%-Asbestos
(20%-Amosite)
(5%-Chrysotile)
75%-Magnesite

Respectfully submitted,

John S. Ferrell

John S. Ferrell
Industrial Hygienist

ATI
ASBESTOS TESTING INC.
5207 NOYES AVE. • CHARLESTON, WV 25304 (304) 925-6795

July 11. 1986

Erik Osby
Union Carbide Corp.-Institute
Industrial Hygiene Dept.
P.O. Box 2831
Charleston, WV 25330

The following analysis of bulk insulation pertain to samples received on 6/10/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning analysis of bulk insulation using polarized light microscopy.

ANALYSIS RESULTS

Sample #1

Nonyl Phenol-Header Passing. #4 reactor

22%-Asbestos
(2%-Amosite)
(20%-Chrysotile)
78%-Clay

Sample #2

6-inch line-ground level. north #4 reactor

10%-Asbestos
90%-Clay

Sample #3

Water and steam outlet, #4 reactor, heat exchanger

0%-Asbestos
20%-Mineral Wool
75%-Clay
5%-Vermiculite

Respectfully submitted,

John S. Ferrell
Industrial Hygienist

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ATI
ASBESTOS TESTING INC.
5205 NOYES AVE. • CHARLESTON, WV 25304 • (304) 925-6795

October 5, 1986

Ed McComas
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2831
Charleston, WV 25330

The following analysis result pertains to a sample received 10/2/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning the analysis of bulk insulation using polarized light microscopy.

ANALYSIS RESULT

Sample #1

Building 236, Locker Room
steamline

15%-Asbestos
(10%-Amosite)
(5%-Chrysotile)
85%-Clay

Respectfully submitted,

John S. Ferrell

John S. Ferrell
Industrial Hygienist

ATI
ASBESTOS TESTING INC.
5205 NOYES AVE. • CHARLESTON, WV 25304 • (304) 925-6795 October 23, 1986

Erik A. Osby
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2831
Charleston, WV 25330

The following bulk insulation analysis results pertain to samples received on 10/21/86. All bulk insulation analysis is performed in accordance with EPA recommendations concerning analysis of bulk insulation using Polarized Light Microscopy.

ANALYSIS RESULTS

Sample #1	N.D.-Asbestos 1%-Mineral Wool 5%-Cellulose 94%-Clay
Sample #2	N.D.-Asbestos 1%-Mineral Wool 99%-Foam Glass
Sample #3	5%-Asbestos (Chrysotile) 10%-Cellulose 85%-Foam Glass
Sample #4	85%-Asbestos (5%-Amosite) (80%-Chrysotile) 15%-Clay
Sample #5	40%-Asbestos (10%-Amosite) (30%-Chrysotile) 60%-Clay
Sample #6	15%-Asbestos (Amosite) 85%-Clay

Respectfully submitted,

John S. Ferrell
Industrial Hygienist

ATI
ASBESTOS TESTING INC.
5205 NOYES AVE. • CHARLESTON, WV 25304 • (304) 925-6795

November 18, 1986

Erik A. Osby
Industrial Hygiene Dept.
Union Carbide Corporation
P.O. Box 2831
Charleston, WV 25330

The following bulk insulation analysis pertain to samples received on 11/14/86. All bulk insulation analyses are performed in accordance with EPA recommendations concerning analysis of bulk insulation using Polarized Light Microscopy.

ANALYSIS RESULTS

Sample #1	
Roofing material-Bldg. 190	70%-Asbestos (Chrysotile) 30%-Epoxy Resin
Sample #2	
Ceiling material, womens' bathroom-Bldg. 190	N.D.-Asbestos* 5%-Cellulose 95%-Gunnite Clay
Sample #3	
Material deposited on compressor-Bldg. 190 11/13/86	N.D.-Asbestos* 5%-Mineral Wool 5%-Synthetics Fibers 35%-Dirt 55%-Paint
Sample #4	
Ten inch pipe insulation (mid-section)-Bldg. 308	15%-Asbestos (Chrysotile) 85%-Clay
Sample #5	
Verticle steamline insulation from hallway in mid-section of Bldg. 308	35%-Asbestos (Chrysotile) 65%-Clay

Respectfully submitted,

John S. Ferrell
Industrial Hygienist

*N.D. denotes none detected.