PLAINTIFF'S EXHIBIT

UC-3059

WV-0219#8

CPM

Kemron

Kemron Environmental Services

ANALYTICAL REPORT

Client: Union Carbide Corp.
State Route 2
Long Reach, WV 26175
Attn: Attn: Ken Williams

Report Date: 07/14/86
Report Number: 3389
P. O. No.: 0380-508424

Collected By: Union Carbide Corp.
Kemron Sample No.: 5612841 - 2848 Date Received: 6/26/86
Sample Source: See Below

SAMPLE SOURCE	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
Z-8062	N/A	<10,878	--
Z-8063	N/A	152,143	--
Z-8074	N/A	<10,878	--
Z-8230	N/A	<10,878	--
Z-8231	N/A	<10,878	--
Z-8232	N/A	<10,878	--
Z-8233	N/A	<10,878	--
Blank	N/A	<10,878	--

Date Analyzed/Analyst: 7/02/1986/MS

Approved By:

Jean Anderson
Jean Anderson
Regional Manager

UCC 002006

WV-0219#10

Kemron Environmental Services

ANALYTICAL REPORT

Client: Union Carbide Corp.
State Route 2
Long Reach, WV 26175
Attn: Attn: Ken Williams

Report Date: 05/20/86
Report Number: 3111
P. O. No.: 0380-507655

Collected By: Union Carbide Corp.
Kemron Sample No.: 5611938 - 1942
Sample Source: See Below

Date Received: 5/5/86

SAMPLE SOURCE	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
Z-7965*	58.8	<10,878	<0.185
Z-7975*	95.496	<10,878	<0.114
Z-8003	119.226	<10,878	<0.091
Z-8004	105.240	<10,878	<0.103
Blank	---	<10,878	---

Date Analyzed/Analyst: 05/09/86/MS

*No backup pad in cassette.

Approved By:

Jean Anderson
Regional Manager

UCC 002008

WV-0219 #11

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: TAMMY GRITTIE
ATT: WAYNE BOTTEMAN

07-740149

5/12/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concernins this report please call 304-766-6283.

	RW	RW	RW	RW
BCM NUMBER	D702666	D702667	D702668	D702669
CLIENT SAMPLE ID	Z9109	Z9132	Z9133	Z9134
DATE SAMPLED	5/3/87	5/3/87	5/3/87	5/3/87
DATE RECEIVED	5/8/87	5/8/87	5/8/87	5/8/87
ASBESTOS-AIR FIB/CC	<0.005	<0.0022	0.03	<0.02

UCC 002009

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 5/12/87 PAGE 2

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	RW D702670	RW D702671	D702672	D702673
CLIENT SAMPLE ID	Z9149	Z9208	Z9218	Z9219
DATE SAMPLED	5/3/87	5/3/87	5/3/87	5/3/87
DATE RECEIVED	5/8/87	5/8/87	5/8/87	5/8/87
ASBESTOS-AIR FIB/CC	<0.008	<0.05	<0.01	0.05

UCC 002010

JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 5/12/87 PAGE 3

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D702674	D702675 RW	D702676 RW	D702677 RW
CLIENT SAMPLE ID	Z9220	Z9221	Z9222	Z9223
DATE SAMPLED	5/3/87	5/3/87	5/3/87	5/3/87
DATE RECEIVED	5/8/87	5/8/87	5/8/87	5/8/87
ASBESTOS-AIR FIB/CC	0.10	<0.003	<0.01	<0.003

UCC 002011

JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 5/12/87 PAGE 4

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D702678 RW	D702679 RW	D702680	D702681
CLIENT SAMPLE ID	Z9225	Z9226	BLANK 1	BLANK 2
DATE SAMPLED	5/3/87	5/3/87	5/3/87	5/3/87
DATE RECEIVED	5/8/87	5/8/87	5/8/87	5/8/87
ASBESTOS-AIR FIB/CC	0.14	<0.03	SEE NOTE	SEE NOTE

REMARKS

BCM SAMPLE NO: D702680
1 : BLANK # 1 - 0.5 FIBERS/100 FIELDS

BCM SAMPLE NO: D702681
1 : BLANK # 2 - 1.5 FIBERS/100 FIELDS

END OF REPORT

UCC 002012

WV-0219 #18

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: WAYNE BOTTEMAN

07-740149

1/16/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCM NUMBER	D700112	D700113	D700114	D700115
CLIENT SAMPLE ID	78870	78871	78872	BLANK 1
DATE SAMPLED	1/16/87	1/16/87	1/16/87	1/16/87
DATE RECEIVED	1/16/87	1/16/87	1/16/87	1/16/87
ASBESTOS-AIR				SEE NOTE
ASBESTOS-AIR FIB/CC	0.09	0.42	<0.04	

REMARKS

BCM SAMPLE NO: D700115

1 : 0.5 FIBERS/100 FIELDS

UCC 002013

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 1/16/87 PAGE 2

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D700116	D700117
CLIENT SAMPLE ID	BLANK 2	78860
DATE SAMPLED	1/16/87	1/16/87
DATE RECEIVED	1/16/87	1/16/87
ASBESTOS-AIR	SEE NOTE	
ASBESTOS-AIR FIB/CC		0.01

REMARKS

BCM SAMPLE NO: D700116

1 : 4 FIBERS/100 FIELDS

END OF REPORT

UCC 002014

WV-021947#19

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: WAYNE BOTTEMAN

07-740149

1/15/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCM NUMBER	D700043	D700044	D700045	D700046
CLIENT SAMPLE ID	78816	78855	78856	78857
DATE SAMPLED	1/13/87	1/13/87	1/13/87	1/13/87
DATE RECEIVED	1/14/87	1/14/87	1/14/87	1/14/87
ASBESTOS-AIR FIB/CC	SEE NOTE	SEE NOTE	<0.003	0.01

REMARKS

BCM SAMPLE NO: D700043

1 : SAAMPLE CASSETTE DID NOT CONTAIN CELLULOSE ESTER FILTER.

BCM SAMPLE NO: D700044

1 : DUST AND DEBRI COVERED MORE THAN 1/6 FIELD AREA ON MAJORITY OF
2 : FIELDS. CONCENTRATION ON FIELDS WHICH COULD BE COUNTED IS
3 : 0.002 F/CC.

UCC 002015

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JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 1/15/87 PAGE 2

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D700047	D700048	D700049	D700050
CLIENT SAMPLE ID	78858	78859	BLANK 1	BLANK 2
DATE SAMPLED	1/13/87	1/13/87	1/13/87	1/13/87
DATE RECEIVED	1/14/87	1/14/87	1/14/87	1/14/87
ASBESTOS-AIR FIB/CC	0.04	0.03	SEE NOTE	SEE NOTE

REMARKS

BCM SAMPLE NO: D700049

1 : 2.5 FIBERS/100 FIELDS.

BCM SAMPLE NO: D700050

1 : 3.5 FIBERS/100 FIELDS.

END OF REPORT

UCC 002016

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WV-0219#20

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W VA. 25064
304 766-6283

Chuck - file

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: WAYNE BOTTEMAN

07-740149

1/12/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCM NUMBER	D700001	D700002	D700003	D700004
CLIENT SAMPLE ID	#1 BLANK	#2 BLANK	Z8814	Z8815
DATE SAMPLED	1/9/87	1/9/87	1/9/87	1/9/87
DATE RECEIVED	1/12/87	1/12/87	1/12/87	1/12/87
ASBESTOS-AIR FIB/CC	SEE NOTE	SEE NOTE	<0.02	0.01

REMARKS

BCM SAMPLE NO: D700001
1 : 1 FIBER/100 FIELDS

BCM SAMPLE NO: D700002
1 : 2 FIBERS/100 FIELDS

END OF REPORT

UCC 002017

WV-0219#21

Copies: Ed Doerfleun
John Kyle
Keith Brunton
Marlin Byrd
Bill Bailey
Bill Johnson
Steve Collins
Bill Summers

add at the party AM & PM IR investigations.

SPECTROSCOPY LABORATORY

Sample #	**Report To** G Wulfert
Sample Koppers Type 15	**Date** 7/1/86
Lot or Location Saturated Felt	**Analyst** McCord

A. A. Analysis		I. R. Analysis
Cu (Alloy)	Al	SiH cc/gm
Ti	Ni	Propagyl
As	Cr	L-43%
Zn	Na	C=O
Cu	K	Si O_2
Ca	Si	CN
Fe	Sn	% Y-6125
Mn		% Activity
Mg		% Si Solids
Pb		IR Scan
		EO

no asbestos noted

Identification The roofing paper - challenged and sample given to me.
G Wulfert

UCC 002018

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WV-0219 #12

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: TAMMY GRITTIE
ATT: WAYNE BOTTEMAN

07-740149

4/27/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCK NUMBER	D702432	D702433	D702434
CLIENT SAMPLE ID	Z-9206	Z-9207	BLANK
DATE SAMPLED	4/23/87	4/23/87	4/23/87
DATE RECEIVED	4/24/87	4/24/87	4/24/87
ASBESTOS-AIR FIB/CC	<0.005	<0.004	SEE NOTE

END OF REPORT

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WV-0219 #13

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: TAMMY GRITTIE
ATT: WAYNE BOTTEMAN

07-740149

4/1/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

	RW	RW	RW
BCM NUMBER	D701244	D701245	D701246
CLIENT SAMPLE ID	29050	29051	29052
DATE SAMPLED	3/10/87	3/10/87	3/10/87
DATE RECEIVED	3/11/87	3/11/87	3/11/87
ASBESTOS-AIR F1B/CC	<0.02	0.09	0.68

END OF REPORT

UCC 002020

WV-0219 #14

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: TAMMY GRITTIE
ATT: WAYNE BOTTEMAN

07-740149

3/10/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCM NUMBER	RW D700845	RW D700846	RW D700847	RW D700848
CLIENT SAMPLE ID	Z8956	Z8957	Z8962	Z8963
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR FIB/CC	<0.007	<0.008	0.31	0.52

UCC 002021

JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 3/10/87 PAGE 2

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	RW D700849	RW D700850	RW D700851	RW D700852
CLIENT SAMPLE ID	Z8964	Z8965	Z8966	Z8967
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR FIB/CC	0.07	<0.001	0.05	<0.005

UCC 002022

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JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT — 3/10/87 — PAGE 3

CLIENT

UNION CARBIDE SISTERVILLE — 07-740149

BCM NUMBER	D700853 (RW)	D700854 (RW)	D700855	D700856
CLIENT SAMPLE ID	Z8968	Z8973	BLANK 1	BLANK 2
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR			SEE NOTE	SEE NOTE
ASBESTOS-AIR FIB/CC	<0.003	<0.003		

REMARKS

BCM SAMPLE NO: D700855

1 : 2.5/100 FIBERS/FIELD.

BCM SAMPLE NO: D700856

1 : 0/100 FIBERS/FIELD.

UCC 002023

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 3/10/87 PAGE 4

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCH NUMBER	D700857 RW	D700858 RW
CLIENT SAMPLE ID	Z8969	Z8970
DATE SAMPLED	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87
ASBESTOS-AIR F1B/CC	0.22	0.09

** END OF REPORT **

UCC 002024

WV-0219 #15

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: TAMMY GRITTIE
ATT: WAYNE BOTTENAN

07-740149

3/2/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCH NUMBER	RW D700845	RW D700846	RW D700847	RW D700848
CLIENT SAMPLE ID	Z8956	Z8957	Z8962	Z8963
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR FIB/CC	<0.007	<0.008	0.31	0.52

UCC 002025

JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	RW D700849	RW D700850	RW D700851	RW D700852
CLIENT SAMPLE ID	Z8964	Z8965	Z8966	Z8967
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR F1B/CC	0.07	<0.001	0.05	<0.005

UCC 002026

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JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D700853	D700854	D700855	D700856
CLIENT SAMPLE ID	Z8968	Z8973	BLANK 1	BLANK 2
DATE SAMPLED	2/23/87	2/23/87	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87	2/25/87	2/25/87
ASBESTOS-AIR			SEE NOTE	SEE NOTE
ASBESTOS-AIR F1B/CC	<0.003	<0.003		

REMARKS

BCM SAMPLE NO: D700855

1 : 2.5/100 FIBERS/FIELD.

BCM SAMPLE NO: D700856

1 : 0/100 FIBERS/FIELD.

UCC 002027

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 3/2/87 PAGE 4

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D700857 RW	D700858 RW
CLIENT SAMPLE ID	Z8969	Z8970
DATE SAMPLED	2/23/87	2/23/87
DATE RECEIVED	2/25/87	2/25/87
ASBESTOS-AIR FIB/CC	0.22	0.09

END OF REPORT

Union Carbide trial exhibit UC-3059: Kemron and JHM Laboratories Asbestos Air-Sample Analytical Reports for U...
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WV-0219 #19

Kemron
Kemron Environmental Services

ANALYTICAL REPORT

Client: Union Carbide Corp.
P. O. Box 180
Sistersville, WV 26175
Attn: T. Grittie

Report Date: 02/26/87
Report Number: 0274
P. O. No.: 0380-511187

Collected By: Union Carbide Corp.
Kemron Sample No.: 5710435 - 0450 Date Received: 02/11/87
Sample Source: See Below

SAMPLE SOURCE	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
Z-8872 RW	345.6	54743	0.158
Z-8873 RW	342.2	93152	0.272
Z-8874 RW	351.6	12360	0.035
Z-8881 RW	136.0	<4407	<0.032
Z-8882 RW	104.0	10816	0.104
Z-8885 RW	152.8	11257	0.074
Z-8886 RW	86.8	13908	0.160
Z-8887 RW	157.5	11038	0.070
Z-8888 RW	995.1	<4407	<0.004
Z-8889 RW	1500.0	<4407	<0.003
Z-8917 RW	268.0	29138	0.109
Z-8918 RW	216.0	4636	0.021
Z-8919 RW	188.0	24280	0.129
Z-8920 RW	172.0	<4407	<0.026
Blank	-----	<4407	-----
Blank	-----	<4407	-----

Date Analyzed/Analyst: 2/16/87 CW

Method: NIOSH Method: 7400A
Analytical Detection Limits: 4407 fibers/filter

AIHA Laboratory Accreditation Number 169

Approved By:

Jean Anderson
Regional Manager

UCC 002029

WV-0219 #17

Kemron Environmental Services

ANALYTICAL REPORT

Client: Union Carbide Corp.
State Route 2
Long Reach, WV 26175
Attn: T. Grittie

Report Date: 02/11/87
Report Number: 0181
P. O. No.: 0380-510734

Collected By: Union Carbide Corp.
Kemron Sample No.: 5710113 - 0119
Sample Source: See Below

Date Received: 01/13/86

SAMPLE SOURCE	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
Z-8736 R	432.7	<4407	<0.010
Z-8737 R	432.5	<4407	<0.010
Z-8738 R	320.8	<4407	<0.014
Z-8744 R	596.5	<4407	<0.007
Z-8745 R	442.4	<4407	<0.010
Z-8795 R	430.5	4615	0.011
Z-8797	782.7	<4407	<0.006

Date Analyzed/Analyst: 1/20/87 MS

Method: NIOSH Method: 7400A
Analytical Detection Limits: 4407 fibers/filter

AIHA Laboratory Accreditation Number 169

Approved By:

Jean Anderson
Regional Manager

UCC 002030

JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D705568
CLIENT SAMPLE ID	Z10137
DATE SAMPLED	10/25/87
DATE RECEIVED	10/26/87
ASBESTOS-AIR FIB/CC	.331

END OF REPORT

UCC 002031

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WV-0219 #27

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: D.A. BOGGS
INDUSTRIAL HYGIENST

07-740149

10/27/87

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCH NUMBER	D705564	D705565	D705566	D705567
CLIENT SAMPLE ID	Z10138	Z10139	Z10140-BLANK	Z10136
DATE SAMPLED	10/25/87	10/25/87	10/25/87	10/25/87
DATE RECEIVED	10/26/87	10/26/87	10/26/87	10/26/87
ASBESTOS-AIR FIB/100			3.5	
ASBESTOS-AIR FIB/CC	<.003	.002		.017

UCC 002032

WV-0219 #23

SPECTROSCOPY LABORATORY

Sample # Z 1000	Report To T L Griffie
Sample Copper area	Date 6/30/86
Lot or Location	Analyst McCool

A. A. Analysis		I. R. Analysis
Cu (Alloy)	Al	SiH cc/gm
Ti	Ni	Propargyl
As	Cr	L-43%
Zn	Na	C=O
Cu	K	Si Oz
Ca	Si	CH
Fe	Sn	% Y-0428
Mn		% Activity
Mg		% Si Solids
Pb		IR Scan
		EO

no asbestos noted

Identification

UCC 002033

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WV-02194#24

SPECTROSCOPY LABORATORY

Sample #	Report To K. Purinton
Sample Construction Material	Date 6-25-80
Lot or Location	Analyst M.D / L.L. / V.M.C
A. A. Analysis	I. R. Analysis
Cu (Alloy) Al	SiH cc/gm
Ti Ni	Propagyl
As Cr	L-43%
Zn Na	C=O
Cu K	Si O2
Ca Si	CH
Fe Sn	% Y-6425
Mn	% Activity
Mg	% Si Solids
Pb	IR Scan
	EQ

Identification Does NOT Contain Asbestos

UCC 002034

WV-0219 #25

SPECTROSCOPY LABORATORY

Sample # Insulation from	Report To J. Doyle
Sample Intermediate	Date 6-24-86
Lot or Location Central room	Analyst L Leach

A. A. Analysis		I. R. Analysis
Cu (Alloy)	Al	SiH cc/gm
Ti	Ni	Propargyl
As	Cr	L-45%
Zn	Na	C=O
Cu	K	Si O2
Ca	Si	CN
Fe	Sn	% Y-6125
Mn		% Activity
Mg		% Si Solids
Pb		IR Scan
		EO

Identification

#1 [redacted] light gray - Contain asbestos

#2 Dark gray Contains asbestos

on other intermediates samples

Reevaluation by V McCool says no asbestos

New samples ~~at~~ will be examined at your discretion

UCC 002035

WV-0219 #26

SPECTROSCOPY LABORATORY

Sample # #1 & #2	Report To J Wharton
Sample Insulation	Date 6-24-86
Lot or Location Roof at Kenmore	Analyst L Leach
A. A. Analysis	**I. R. Analysis**
Cu (Alloy) Al	SiH cc/gm
Ti Ni	Propargyl
As Cr	L-43%
Zn Na	C=O
Cu K	Si O2
Ca Si	CH
Fe Sn	% Y-6425
Mn	% Activity
Mg	% Si Solids
Pb	IR Scan
	EQ

Identification

#1 Grey Insulation Contains some Asbestos

#2 Brown Paper like fiber Contains much Asbestos

Reevaluation by V. McCool says no asbestos

New samples can be reexamined at your discretion

Union Carbide trial exhibit UC-3059: Kemron and JHM Laboratories Asbestos Air-Sample Analytical Reports for U…
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WV-0219 #27

SPECTROSCOPY LABORATORY

Sample # #1, #2, #3	**Report To** J. Kyle / S. Collins
Sample Insulation	**Date** 6-23-82
Lot or Location water line W. side	**Analyst** L Laird
A. A. Analysis Intermediate Crocidolite	**I. R. Analysis**
Cu (Alloy) Al	SiH cc/gm
Ti Ni	Propanyl
As Cr	L-43%
Zn Na	C=O
Cu K	Si O₂
Ca Si	CN
Fe Sn	% Y-4135
Mn	% Activity
Mg	% Si Solids
Pb	IR Scan
	EO

Identification

#1 Light gray flaffy - Contain Asbestos
#2 Dark gray glob - Contain Asbestos
#3 Yellow granules - Not asbestos

UCC 002037

WV-0219 #28

SPECTROSCOPY LABORATORY

Sample # Z 7697	**Report To** Tammy Grittle
Sample	**Date** 4-30-86
Lot or Location	**Analyst** McCool

A. A. Analysis		**I. R. Analysis**
Cu (Alloy)	Al	SiH cc/gm
Ti	Ni	Propagyl
As	Cr	L-43%
Zn	Na	C=O
Cu	K	Si O_2
Ca	Si	CN
Fe	Sn	% Y-6425
Mn		% Activity
Mg		% Si Solids
Pb		IR Scan
		EO

Identification

no asbestos noted

UCC 002038

WV-029 #29

JHM Laboratories Inc.

325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

CLIENT

UNION CARBIDE SISTERVILLE
PO BOX 180
SISTERVILLE WV 26175
ATT: WAYNE BOTTEMAN

07-740149

11/20/86

FINAL REPORT

This is the final report for the samples shown below. If you have questions concerning this report please call 304-766-6283.

BCM NUMBER	D605551	~~D605552~~	~~D605553~~	D605554 ✓
CLIENT SAMPLE ID	1 Z-8689 ✓	2 Z-8687 ✓	3 Z-8685 ✓	4 Z-8668 ✓
DATE SAMPLED	11/18/86	11/18/86	11/18/86	11/18/86
DATE RECEIVED	11/19/86	11/19/86	11/19/86	11/19/86
ASBESTOS-AIR FIB/CC	SEE NOTE	<0.001	<0.008	<0.009

REMARKS

BCM SAMPLE NO: D605551

1 : 0 FIBERS IN 100 FIELDS.

UCC 002039

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JHM Laboratories Inc.
325 THIRTEENTH STREET
DUNBAR, W. VA. 25064
304 766-6283

FINAL REPORT 11/20/86 PAGE 2

CLIENT

UNION CARBIDE SISTERVILLE 07-740149

BCM NUMBER	D605555	~~D605556~~	D605557	D605558
CLIENT SAMPLE ID	6 Z-8667	6 Z-8686	7 Z-8690	8 Z-8691
DATE SAMPLED	11/18/86	11/18/86	11/18/86	11/18/86
DATE RECEIVED	11/19/86	11/19/86	11/19/86	11/19/86
ASBESTOS-AIR FIB/CC	<0.06	<0.001	<0.008	<0.01

END OF REPORT

UCC 002040

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Chuck –
I need the volumes not provided. Please make every effort to find them as soon as possible. They are very important! Thanks
Tammy

Kemron
Kemron Environmental Services

ANALYTICAL REPORT

le Corp.
2
WV 26175
lan

Report Date: 11/20/86
Report Number: 4048
P. O. No.: 0380-510059

Carbide Corp.
5614610 - 4626
Below

Date Received: 10/31/86

	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
	28.9	<10,878	<0.376
4	Not Provided	49,494	--- 0.342
	146.5	<10,878	<0.074
	448.8	<10,878	<0.024
8	Not Provided	<10,878	--- 0.202
Z-8572R	42.0	<4,407	<0.105
Z-8573R	45.7	<4,407	<0.096
Z-8593R	70.4	6,835	0.097
Z-8594R	63.1	<4,407	<0.070
Z-8596R	509.8	<4,407	<0.009
Z-8597R	593.7	<4,407	<0.007
Z-8598R	524.0	<4,407	<0.008
Z-8605R	653.7	<4,407	<0.007
Z-8607R	507.1	<4,407	<0.009
Z-8600R	564.9	<4,407	<0.008
Z-8623R	243.6	<4,407	<0.018
Z-8606R	554.8	<4,407	<0.008

Date Analyzed/Analyst: 11/07/86/MS

AIHA Laboratory Accreditation Number 169

Approved By:

Jean Anderson
Jean Anderson
Regional Manager

UCC 002041

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Kemron Environmental Services

ANALYTICAL REPORT

Client: Union Carbide Corp.
State Route 2
Long Reach, WV 26175
Attn: C. R. McMillan

Report Date: 11/20/86
Report Number: 4048
P. O. No.: 0380-510059

Collected By: Union Carbide Corp.
Kemron Sample No.: 5614610 - 4626
Sample Source: See Below

Date Received: 10/31/86

SAMPLE SOURCE	VOLUME (liters)	CONCENTRATION Fibers/Filter	Fibers/CC
Z-8241	28.9	<10,878	<0.376
Z-8309	144.64 Not Provided	49,494	--- 0.342
Z-8310	146.5	<10,878	<0.074
Z-8397R	448.8	<10,878	<0.024
Z-8473	53.98 Not Provided	<10,878	--- 0.202
Z-8572R	42.0	<4,407	<0.105
Z-8573R	45.7	<4,407	<0.096
Z-8593R	70.4	6,835	0.097
Z-8594R	63.1	<4,407	<0.070
Z-8596R	509.8	<4,407	<0.009
Z-8597R	593.7	<4,407	<0.007
Z-8598R	524.0	<4,407	<0.008
Z-8605R	653.7	<4,407	<0.007
Z-8607R	507.1	<4,407	<0.009
Z-8600R	564.9	<4,407	<0.008
Z-8623R	243.6	<4,407	<0.018
Z-8606R	554.8	<4,407	<0.008

Date Analyzed/Analyst: 11/07/86/MS

AIHA Laboratory Accreditation Number 169

Approved By:

Jean Anderson by BC
Jean Anderson
Regional Manager

UCC 002042

Z-8241 Drilling Lab Bench R+D

Z-8309 } Removing Insocoal
Z-8310 } Cleveland Wrecking

Z-8397 Top of Stairs SSP

Z-8473 Removing Johnson

Z-8572 } Stripping Insulation (asbestos)
Z-8573 } Steam Plant
Z-8593 " "
[redacted] 8594 " "

Z-8596 } SSP
Z-8597 } Report Written ?
Z-8598 }
Z-8605

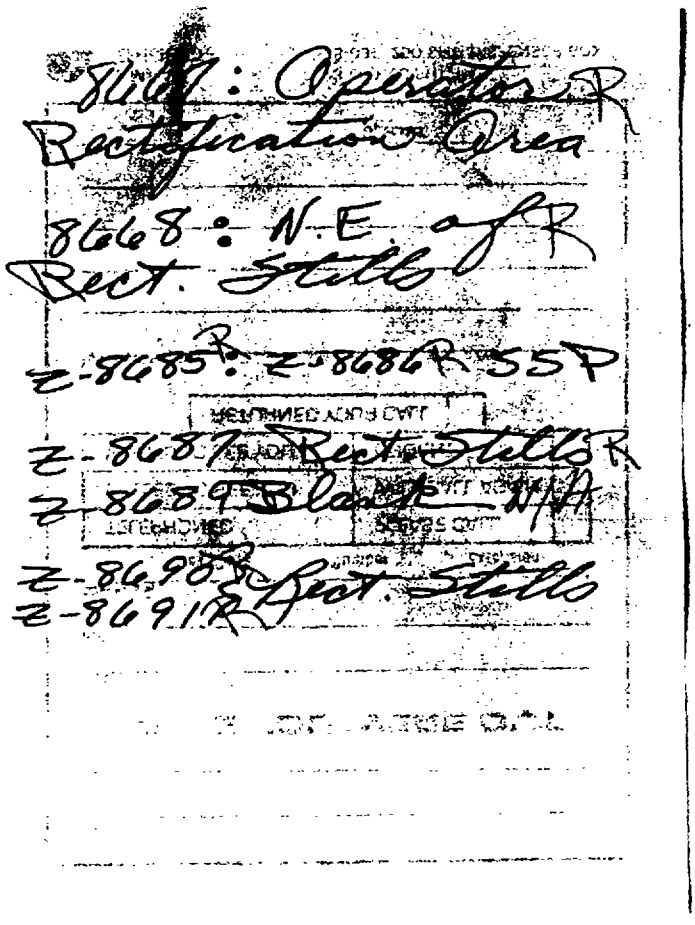
Z-8607 Northern Pipe Reactor Tower

Z-8606 Intermediates

Z-8600 Poly II

Z-8623 SSP

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8667: Operator R
Rectification Area
8668: N.E. of R
Rect. Stills
Z-8685R: Z-8686R 55P
Z-8687R Rect Stills R
Z-8688R Blank N/A
Z-8690R
Z-8691R Rect. Stills

UCC 002044