

MINERVA ENTERPRISES, IN

9000 Minerva Rd P.O. Box 709
Waynesburg, OH 44888
Ph: 330-866-3435
Fax: 330-866-3488

Ticket # **247023**

Date: **09/07/2011**

Time: **7:34:10 AM**

Customer Name

~~Kurtz Brothers~~

Precision

Customer # ~~800~~ **204 yck**

Transporter: Kurtz Brothers

Truck Type: Tandem dump

Truck License #: **185**

Location: OH, Euclid

Generator: Former Cleveland

Gross Weight

70,000

Tare Weight

34,000

Net Weight(tons):

18 Ton

Volume Received(yards):

35

Waste Type:

Enable Asbestos

Minerva Job #

~~10518~~

ME REP/P.O.# **srd**

Accepted: Yes If No, this material was rejected for the following reasons. _____

Driver **Joe Brown**

Minerva Enterprises Representative: **[Signature]**

I certify that all materials meet Stark County/Ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

06094

247086

GENERAL INFORMATION	1. Work site name and mailing address FORMER CLEVELAND TRUCKER 20180 ST CLAIR AVE EUCLEID, OH 4105205		Owner's name BRY THOMAS, TRUSTEE 71 COTTER AVE AKRON, OH 44305	Owner's telephone number 330-762-7377		
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5300 Old Brucksville Road Independence, Ohio 44131			Operator's telephone number (216) 642-6040		
	3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9800 MINERVA RD WATNESSBURG, OH 44688			WDS phone number 330-865-3415		
	4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 ERIEVIEW PLAZA, CLEVELAND, OH					
TRANSFERRER	5. Description of materials		6. Containers		7. Total quantity	
			Number	Type	cubic meters or cubic yards	
	ACM BUILDING DEBRIS		1	DUMP TRUCK	35 YARDS	
WASTE SITE	8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040					
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations Kenny Yates SUPERVISOR [Signature] 9-7-11 Printed/typed name Title Signature Date (MM/DD/YY)					
WASTE SITE	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no Joe Russo DRIVER [Signature] 9-2-11 Printed/typed name Title Signature Date (MM/DD/YY)					
	11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no MURTZ BROS. 6415 GRANGER RD INDEPENDENCE, OH 44131 Printed/typed name Title Signature Date (MM/DD/YY)					
WASTE SITE	12. Discrepancy indication space					
	13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted to item Shawn Duane [Signature] 9/7/11 Printed/typed name Title Signature Date (MM/DD/YY)					

Destination - White Transporter - Yellow 1 Inland/In Area - Pink Project Site - Gold

093

MINERVA ENTERPRISES, IN
9000 Minerva Rd. P.O. Box 709
Waynesburg, OH 44888
Ph. 330-888-3435
Fax: 330-888-3488

Ticket # **247088**
Date **09/07/2011**
Time **1:44:34 PM**

Customer Name

~~Kurtz Brothers~~
Precision

Customer # ~~800~~ **224**

Gross Weight

~~0~~ **76,000**

Transporter: Kurtz Brothers

Tare Weight

~~0~~ **34,000**

Truck Type: Tandem dump

Net Weight(tons)

~~0~~ **18TON**

Truck License #: **165**

Volume Received(yards)

35

Location: OH, Euclid

Waste Type

Friable Asbestos

Generator: Former Cleveland

Minerva Job #

~~10310~~

ME REP/P.O.#: **srd**

Accepted: Yes No. If No, this material was rejected for the following reasons: _____

Driver:

[Signature]

Minerva Enterprises Representative:

[Signature]

I certify that all materials meet Stark County Ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

248815

06176

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

G E N E R A T O R	1. Work site name and mailing address CLEVELAND TRENCHER 20100 ST CLAIR CLEVELAND, OH 1105205		Owner's name GARY THOMAS, TRUSTEE 71 COTTER AVE AKRON, OH	Owner's telephone number 330-752-7377	
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5500 Old Brecksville Road. Independence, Ohio 44131		Operator's telephone number (216) 642-6040		
	3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9000 MINERVA RD WAYNESBURG, OH 44688		WDS phone number 330-866-3435		
	4. Name and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 ERIEVIEW PLAZA, CLEVELAND, OH				
	5. Description of materials		6. Containers		7. Total quantity cubic meters or cubic yards
			Number	Type	
	ACM BUILDING DEBRIS		1	DUMPSTER	20 YARDS
	8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations Kenny Yates SUPERVISOR <i>[Signature]</i> 10-7-11 Printed/typed name Title Signature Date (M/DD/YY)				
T R A N S P O R T E R	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no <i>[Signature]</i> DWG <i>[Signature]</i> 10-11-11 Printed/typed name Title Signature Date (M/DD/YY)				
	11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no INDEPENDENCE OH Printed/typed name Title Signature Date (M/DD/YY)				
W A S T E	12. Discrepancy indication space				
	13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted in item <i>[Signature]</i> <i>[Signature]</i> 10-11-11 Printed/typed name Title Signature Date (M/DD/YY)				

Precision - White

Transporter - Yellow

Unloading Area - Pink

Project Site - Gold

Truck Maintenance - C.M.C.		Inactive	
Truck Id	COPR6	Customer Id	
Tare Weight	31900	Owner Id	
Last Tared	10/4/2011	Default Driver	
Legal Max		In Service	Yes
Home Plant	19	Truck Capacity	
Truck Class		Incl. on Reports	Yes
		Internal?	Yes

Vehicle Info	Notes
GROSS WEIGHT 51040 31900 19140 9.57	


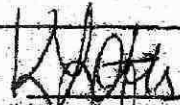
F3 Delete

F2 OK

MINERVA ENTERPRISES, IN		Ticket #	248514
9000 Minerva Rd. P.O. Box 709		Date:	10/11/2011
Weymouth, OH 46688		Time:	2:48:24 PM
Ph: 330-888-3456		Customer Name:	
Fax: 330-888-3488		Precision Environmental Company	

Customer #	224	Gross Weight:	56800
Transporter:	Cooper Disposal	Tare Weight:	32800
Truck Type:	20 cuyd Roll-off	Net Weight(tons):	12.95
Truck License #	8.9	Volume Recovered(yards):	20
Location:	Off, Euclid	Waste Type:	Friable Asbestos
Generator:	Fohner Cleveland	Minerva Job #:	ave*euclid,OH*1-ec
ME REP. O. #	kl		

Accepted: Yes No. If No, this material was rejected for the following reasons: _____

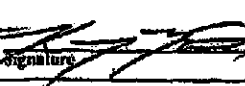
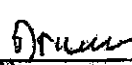



Driver:  Minerva Enterprises Representative: 

I certify that all materials meet Stark County/Ohio EPA specifications. This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RO, Waste, Asbestos, 9, NA2212, PGIII

06199

248814

GENERATOR	1. Work site name and mailing address CLEVELAND TRENCHER 20100 ST CLAIR CLEVELAND, OH 1105206		Owner's name GARY THOMAS, TRUSTEE 71 COTTER AVE AKRON, OH		Owner's telephone number 330-762-7377
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5500 Old Breaksville Road. Independence, Ohio 44131				Operator's telephone number (216) 642-6040
	3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9000 MINERVA RD WAYNESBURG, OH 44688				WDS phone number 330-666-3435
	4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 ERIEVIEW PLAZA, CLEVELAND, OH				
TRANSPORTER	5. Description of materials		6. Containers		7. Total quantity cubic meters or cubic yards
			Number	Type	
	ACM BUILDING DEBRIS		1	DUMPSTER	20 YARDS
WASTE SITE	8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations KENNY YATES SUPERVISOR  9-30-11 Printed/typed name Title Signature Date (M/DD/YY)				
WASTE SITE	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no Mike Battison  Driver KURTZ BROS 9-30-11 Printed/typed name Title Signature Date (M/DD/YY)				
	11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no Steve DeSip  Driver SAE  10-11-11 Printed/typed name Title Signature Date (M/DD/YY)				
WASTE SITE	12. Discrepancy indication space				
	13. Waste disposal site owner or operator: Certification of receipt of asbestos materials by this manifest except as noted by item Kristina Lofis  KRLOFIS 10-11-11 Printed/typed name Title Signature Date (M/DD/YY)				

Precision - White

Transporter - Yellow

Unloading Area - Pink

Project Site - Gold

Truck Maintenance - C.M.E.

File Edit Options Help

Truck Id C0007

Inactive

Tare Weight 32900

Customer Id

In Service Yes

Last Tared 10/5/2011

Owner Id

Truck Capacity

Legal Max

Default Driver

Home Plant 19

Inc. on Reports Yes

Truck Class

Internal? Yes

Vehicle Info Notes

GROSS WEIGHT 58800 32900 25900 12.95

F3 Delete

F2 OK

20241

Oct 31 2011 4:19PM

3308663488

P. 12

097

MINERVA ENTERPRISES, IN		Ticket #	247128
9000 Minerva Rd. P.O. Box 709		Date	09/08/2011
Waynesburg, OH 44888		Time	8:48:24 AM
Ph: 330-888-3435			
Fax: 330-888-3488			
Customer Name			

Customer #	806 204	Kurtz Brothers Precision yok	Gross Weight	0 70,060
Transporter:	Kurtz Brothers		Tare Weight:	0 34,000 yok
Truck Type:	Trailer dump		Net Weight(tons):	0 18 Ton yok
Truck License #:	187		Volume Recieved(yards):	60
Location:	OH, Euclid		Waste Type:	Friable Asbestos
Generator:	Former Cleveland		Minerva Job #:	2500
ME REP/P.O.#:	kli			
Accepted:	Yes	If No, this material was rejected for the following reasons.		

Driver: David L. Miller Minerva Enterprises Representative: [Signature]

I certify that all materials meet Stark County/Ohio EPA specifications

This certifies that the waste specified on this ticker has been properly disposed of in accordance with all local, state and federal regulations.

PRECISION ENVIRONMENTAL CO.

06097

REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

247126

GENERATOR	1. Work site name and mailing address FORMER CLEVELAND TRENCH 20100 ST CLAIR AVE EUCLEID, OH 1185205		Owner's name GARY THOMAS, TRUSTEE 91 CUTLER AVE AKRON, OH 44305		Owner's telephone number 330-762-7377
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 2011 5500 Old Breckville Road, Independence, Ohio 44131		Operator's telephone number (216) 642-6040 70,000 34,000 18750		
	3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9000 MINERVA RD MAYFIELD, OH 41688		WDS phone number 220-866-3635		
	4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 BRUEVIEW PLAZA, CLEVELAND, OH				
TRANSPORTER	5. Description of materials ACM BUILDING DEBRIS		6. Containers Number: 1 Type: DUMP TRUCK		7. Total quantity cubic meters or cubic yards 60 YARDS
	8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. KENNY YATES SUPERVISOR [Signature] 9-7-11 Printed/typed name Title Signature Date (M/DD/YY)				
WASTE SITE	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no David L Miller Driver [Signature] 9-7-11 Printed/typed name Title Signature Date (M/DD/YY)		11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no WERTZ ERCS 6415 CLANGER RD INDEPENDENCE, OH 44131 Printed/typed name Title Signature Date (M/DD/YY)		
	12. Discrepancy indication space				
13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted in item Kristina Loftis [Signature] 9-8-11 Printed/typed name Title Signature Date (M/DD/YY)					

Precision - White

Transporter - Yellow

Unloading Area - Pink

Project Site - Gold

Shipper
KBI EPG-NOH (ZZ120)
6415 GRANGER ROAD
INDEPENDENCE, OH
(216) 986-7000

Trip Summary Sheet
9/7/2011 11:55:32
Order# 138880
Movement: 139171
Trip Segment: 148640
Segment Ref:

Consignee:
PRE1003-0964 (PR2205)
20100 ST. CLAIR AVE
CLEVELAND TRENCH
CLEVELAND, OH
(000) 000-0000

Page 1/1

Tractor: K0167 Ref # REF 11249.0066-008 SOPNUM 120S00493474 REF 11249.0066-C
Driver 1: MILDA MILLER, DAVID
Driver 2: UNKNOWN UNKNOWN
Status: Dispatcher

Remarks: Order # 138880 - HAULING MATERIAL TO MINERVA [NET30: 425.61000]

Truck Attribute: 6 AXLE, QUAD, SE

Haul: UNKNOWN

Bill-To: PRECISION ENVIRONMENTAL CO. (PRE1003)
5500 OLD BRECKSVILLE ROAD
INDEPENDENCE, OH
(216) 642-6040

Event	Count	Weight	Cmd	Description	Miles	Earliest Date	Latest Date	Arrival Date Est	Freight Ref #s
LLD	1 EA	0 UNK	11003000	CARTAGE ONLY-KB		09/06 06:28	09/06 06:29	E	
					Trailer 1:	UNKNOWN	Trailer 2:	UNKNOWN	

KBI EPG-NOH (ZZ120)
6415 GRANGER ROAD
INDEPENDENCE, OH
(216) 986-7000

Event	Count	Weight	Cmd	Description	Miles	Earliest Date	Latest Date	Arrival Date Est	Freight Ref #s
LUL	1 EA	0 UNK	11003000	CARTAGE ONLY-KB	8	09/06 06:30	09/06 16:30	E	
					Trailer 1:	UNKNOWN	Trailer 2:	UNKNOWN	

PRE1003-0964 (PR2205)
20100 ST. CLAIR AVE
CLEVELAND TRENCH
CLEVELAND, OH
(000) 000-0000

Total Miles: 8

Load Requirements:

092

MINERVA ENTERPRISES, IN

9000 Minerva Rd P.O. Box 709
Waynesburg, OH 44888
Ph: 330-888-3435
Fax: 330-888-3488

Ticket # **247024**
Date **09/07/2011**
Time **7:34:03 AM**

Customer Name
~~Kurtz Brothers~~
Precision

Customer #	800 224 yck	Gross Weight	70,000
Transporter:	Kurtz Brothers	Tare Weight:	34,000
Truck Type:	Tandem dump	Net Weight(tons):	18TON
Truck License #	164	Volume Raciaved(yards)	35
Location:	OH, Euclid	Waste Type:	Frable Asbestos
Generator:	Former Cleveland	Minerva Job #	8500
ME REP/P.O.#	kl		
Accepted:	Yes	If No, this material was rejected for the following reasons: _____	

Driver: *George Kline* Minerva Enterprises Representative: *[Signature]*

I certify that all materials meet Stark County/ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

06092

247021

GENERAL INFORMATION	1. Work site name and mailing address PIPER CLEVELAND TRENCHER 20150 ST CLAIR AVE EUCLID, OH 1105208		Owner's name GARY THOMAS, TRUSTEE 71 COTTER AVE AKRON, OH 44305	Owner's telephone number 330-762-7377
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5300 Old Brecksville Road Independence, Ohio 44131		Operator's telephone number (216) 642-6040 <i>70,000</i> <i>34,000</i> <i>18Ton</i>	
	3. Waste disposal site (WDS) name, mailing address, and physical site location MIRCEVA ENTERPRISES 9000 MIRCEVA RD PATTERNSBURG, OH 44600		WDS phone number 330-866-3435	
4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 FRIEVIEW PLAZA, CLEVELAND, OH				
5. Description of materials		6. Containers		7. Total quantity cubic meters or cubic yards
		Number	Type	
ACM BUILDING DEBRIS		1	DUMPTRUCK	35 YARDS
8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040				
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations: KENNY YATES SUPERVISOR <i>[Signature]</i> 9-6-11 Printed/typed name Title Signature Date (M/DD/YY)				
TRANSPORTER	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no George Robinson DRIVER <i>[Signature]</i> 9-7-11 Printed/typed name Title Signature Date (M/DD/YY)			
	11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no MURTZ ERCE 8415 GRANGER RD INDEPENDENCE, OH 44131 Printed/typed name Title Signature Date (M/DD/YY)			
WASTE	12. Discrepancy indication space			
SITE	13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted in item Kristina Lofis <i>[Signature]</i> 9-7-11 Printed/typed name Title Signature Date (M/DD/YY)			

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

247205

G E N E R A T O R	1. Work site name and mailing address FORMER CLEVELAND TRENCHER 20100 ST CLAIR AVE EUCLID, OH 4105205		Owner's name GARY THOMAS, TRUSTEE 71 COTTLE AVE AKRON OH 44305	Owner's telephone number 330-762-7377	
	2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5500 Old Brecksville Road. Independence, Ohio 44131			Operators's telephone number (216) 642 6040	
	3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9000 MINERVA RD WAYNESBURG, OH 44688			WDS phone number 330-868-3435	
	4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 ERIEVIEW PLAZA, CLEVELAND, OH				
T R A N S P O R T E R	5. Description of materials		6. Containers		7. Total quantity cubic meters or cubic yards
			Number	Type	
	ACM BUILDING DEBRIS		1	DUMPSITE	
W A S T E	8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040				
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations				
	KENNY YATES		SUPERVISOR		9-9-11
S I T E	10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no				
	Steve Dugan		[Signature]		9-9-11
	11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no 613 GRANGER RD INDEPENDENCE, OH 44131				
12. Discrepancy indication space					
13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted in item					
Sharon Dunne		[Signature]		9/9/11	

Precision · White

Transporter - Yellow

Unloading Area · Pink

Project Site · Gold

050

MINERVA ENTERPRISES, IN

9000 Minerva Rd. P.O. Box 709

Waynesburg, OH 44886

Ph: 330-888-3435

Fax: 330-888-3486

Customer Name

Precision Environmental Company

Ticket # **247205**

Date: **09/09/2011**

Time: **9:49:27 AM**

Customer #	224	Gross Weight:	52180
Transporter:	Southside Environ	Tare Weight:	40640
Truck Type:	Trailer dump	Net Weight(tons):	5.77
Truck License #	S3	Volume Received(yards)	30
Location:	OH, Euclid	Waste Type	Friable Asbestos
Generator:	Former Cleveland	Minerva Job #	2000
ME REP/P.O.#	3rd		

Accepted: Yes If No, this material was rejected for the following reasons: _____

Driver:

[Signature]

Minerva Enterprises Representative

[Signature]

I certify that all materials meet Stark County/Ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

PRECISION ENVIRONMENTAL CO.
REGULATED ASBESTOS MATERIAL: EPA WASTE SHIPMENT RECORD
RQ, Waste, Asbestos, 9, NA2212, PGIII

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1. Work site name and mailing address CLEVELAND TRENCHER 20100 ST CLAIR CLEVELAND, OH 4105205	Owner's name GARY THOMAS, TRUSTEE 71 COPPER AVE AKRON, OH	Owner's telephone number 330-762-7377	
2. Operator's name and address PRECISION ENVIRONMENTAL CO. 5500 Old Brecksville Road. Independence, Ohio 44131		Operator's telephone number (216) 642 6040	
3. Waste disposal site (WDS) name, mailing address, and physical site location MINERVA ENTERPRISES 9000 MINERVA RD WAYNESBURG, OH 44688		WDS phone number 330-866-3435	
4. Name, and address of responsible agency (Local, District or EPA office where notification was sent) CLEVELAND DIV OF AIR, 75 ERIEVIEW PLAZA, CLEVELAND, OH			
5. Description of materials	6. Containers		7. Total quantity cubic meters or cubic yards
	Number	Type	
ACM BUILDING DEBRIS	1	DUMPSTER	30 YD
8. Special handling instructions and additional information EMERGENCY CONTACT: PRECISION ENVIRONMENTAL (216) 642-6040			
9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations <u>KENNY YATES</u> <u>SUPERVISOR</u> <u>[Signature]</u> <u>9-21-11</u> Printed/typed name Title Signature Date (M/DD/YY)			
10. Transporter 1 (Acknowledgment of receipt of materials) Address and telephone no <u>STEVE FEUER</u> <u>DRIVER</u> <u>[Signature]</u> <u>9/22/11</u> Printed/typed name Title Signature Date (M/DD/YY)			
11. Transporter 2 (Acknowledgment of receipt of materials) Address and telephone no <u>Antonio Bay</u> <u>Driver</u> <u>[Signature]</u> <u>9-24-11</u> Printed/typed name Title Signature Date (M/DD/YY)			
12. Discrepancy indication space			
13. Waste disposal site owner or operator. Certification of receipt of asbestos materials by this manifest except as noted in item <u>[Signature]</u> <u>[Signature]</u> <u>9/24/11</u> Printed/typed name Title Signature Date (M/DD/YY)			

Precision - White Transporter - Yellow Unloading Area - Pink Project Site - Gold

2410

MINERVA ENTERPRISES, IN 9000 Minerva Rd. P.O. Box 709 Waynesburg, OH 44688 Ph: 330-888-3435 Fax: 330-888-3488	Customer Name Precision Environmental Company	Ticket # 247884
		Date: 09/24/2011
		Time: 7:44:40 AM

Customer #	224	Gross Weight:	77800
Transporter:	Cooper Disposal	Tare Weight:	32500
Truck Type:	30 cuyd Roll-off	Net Weight(tons)	22.65
Truck License #	01	Volume Received(yards)	30
Location:	OH, Cleveland	Waste Type:	friable Asbestos
Generator:	Cleveland Trencher	Minerva Job #:	2000

ME REP/P O # ydh

Accepted: Yes If No, this material was rejected for the following reasons: _____

Driver: 

Minerva Enterprises Representative: 

I certify that all materials meet Stark County/Ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

EXHIBIT 4



ASBESTOS MONITORING REPORT

CLEVELAND TRENCHER
20100 St. Clair Ave
Euclid, Ohio

Prepared For:

Precision Environmental Company
5500 Old Brecksville Road
Independence, Ohio 44131

Prepared By:

RCS Environmental Group, Ltd.
2812 Shakercrest Blvd,
Beachwood, Ohio 44122
(216) 378-0997

Date:

October 31, 2011

Project No.

201128

CERTIFICATE OF ACCURACY AND COMPLETENESS

RCS Environmental conducted the Asbestos Monitoring in a manner consistent with sound engineering practice and with professional judgment. The conclusions and recommendations presented in the Asbestos Monitoring Report are based on the level of effort and investigative techniques defined under the scope of work by Precision Environmental and RCS Environmental. No other warranty or guarantee, expressed or implied, is made.

Qualified consultants performed the sampling and analysis with diligence and in accordance with regulatory and/or accepted industry practice. RCS Environmental Group, Ltd. certifies that the information presented herein is accurate and complete as described.

I certify that I have reviewed this document:



Michael Schmidt, CIH,
President



TABLE OF CONTENTS

<u>SECTIONS</u>	<u>Page Number</u>
<i>Summary Report</i>	1
<i>Section I</i> Summary of Asbestos Abatement Work	2
<i>Section II</i> Description of Protective Controls	2
<i>Section III</i> Air Sampling Plan	3
<i>Section IV</i> Comments and Follow-up Action	4

SECTION

<i>Section 1</i>	TEM Air Monitoring Data Sheets
<i>Section 2</i>	PCM Air Monitoring Data Sheets
<i>Section 3</i>	Daily Field Logs
<i>Section 4</i>	Certifications



ASBESTOS AIR MONITORING SUMMARY

Consultant: RCS Environmental Group, Ltd.
2812 Shakercrest Blvd.
Beachwood, Ohio 44122

Contractor: Precision Environmental Company
5500 Old Brecksville Road
Independence, Ohio 44131

Location: Cleveland Trencher
20100 St. Clair Ave.
Euclid, Ohio

Scope of Work: Removal of asbestos debris from abandon concrete pads
from demolished buildings and soil.

Project Monitors: Michael Schmidt, CIH
Ohio Department of Health
Asbestos Hazard Evaluation Specialist
Asbestos Project Designer

Cecil Brannon
Ohio Department of Health
Asbestos Hazard Evaluation Specialist

Project Date(s): August 23 through October 4, 2011



I. Summary Asbestos Abatement Work

The asbestos decontamination work performed during this project consisted of the following:

The former **Cleveland Trencher** property (20100 St. Clair Ave.) is located on 14.1 acres including 140,000 square feet of building in the heart of Euclid's industrial zone.

From the 1920s until around 2000, the site was used by Cleveland Trencher to fabricate, paint and assemble metal components for trenching and excavating equipment. In 2007, asbestos abatement of the property was initiated and demolition of several buildings was conducted by others. The asbestos abatement activities were deemed inadequate and the project has halted. Asbestos remained in existing buildings, on the ground, and on the demolished building concrete pads. The US EPA reports indicate that OEPA found not only asbestos at the location, but also 120 drums and containers of materials, primarily lead paints, oils, and solvents.

Precision Environmental was contracted to finish the abatement activities abandoned by others. This included the completion of the asbestos abatement activities and the proper removal and disposal of the identified drums.

II. Description of Protective Controls

- A. **Decontamination Facility:** A Decontamination Facility (DF) was constructed within the Support Zone of the project. The DF consisted of a clean room, shower room, and an equipment (dirty) room. Each chamber was separated by air locks using a series of polyethylene flaps and/or doors.

All workers were required to decontaminate each time they left the work area. All equipment was showered out or wet wiped before being removed from the decontamination facility. Wastewater was removed from the shower by a two-stage filtering pump fitted with a 5-micron final filter.

A separate area was constructed for the decontamination of the waste trucks. A concrete pad was constructed with a drain for wastewater. Each truck had its tires and under carriage washed with water from pressure washers before leaving the project site. All wastewater was collected and filtered by a two-stage filtering pump fitted with a 5-micron final filter.

- B. **Personal Protective Equipment:** During removal activities workers donned half-face air purifying respirators equipped with High Efficiency Particulate Air (HEPA) filters. In addition, workers wore full body Tyvek suits with head and foot coverings. Safety equipment also included the use of safety glasses and work boots. All personal protective equipment was disposed of or decontaminated prior to the worker leaving the work area.



III. Air Sampling Plan

The Asbestos Sampling Plan (ASP) was used as a guide for the abatement and cleanup activities being conducted at Cleveland Trencher. The ASP is the framework for conducting environmental monitoring during a complex asbestos abatement project.

The ASP determined the exposure pathways of potential receptor populations. It was important to consider multiple pathways, age and duration of exposure of said populations.

The site location is located in an industrial area with a significant portion of the buildings being vacant. Directly east southeast, is a large grassy/wooded area. No residential properties are located in the immediate area of the project work area. Based on visual inspections of field conditions the follow distinct receptor populations were considered:

- Asbestos Workers
- Authorized Visitors to the Site
- Inspectors
- Down Wind Occupants of Industrial Buildings.

A. Air Monitoring General

All laboratory analysis was conducted by International Asbestos Testing Laboratories (IATL). IATL is certified by AHIA and NAVLAP. All samples were sent to the laboratory under Chain of Custody procedures. All sampling equipment was calibrated daily in the field with a rotameter which has been calibrated by a primary standard.

B. Daily Perimeter Air Monitoring

Perimeter Air Monitoring was conducted on a daily basis. Perimeter samples were collected upwind from the days planned abatement work. In addition, samples were collected within the Support Zone of the project. Additional perimeter samples were collected downwind as close to the day's work area as possible. The exact location of the perimeter sampling was determined daily based on wind direction and planned abatement activities.

All perimeter sampling was conducted using 25 millimeter mixed cellulose ester cassettes (MCE) with a pore size of 0.8 micrometers. Samples were analyzed using the NIOSH Method 7400 Phase Contrast Microscopy (PCM) techniques.

Any PCM result greater than 0.005 fibers per square centimeter was further analyzed using NIOSH Method 7402. The NIOSH 7400 Method uses a transmission electron microscope (TEM) for the specific determination of asbestos fibers and bundles. The NIOSH 7402 method uses the fiber counting rules of the NIOSH 7400 PCM method (PCMe), therefore a more direct correlation can be made between the two methods.

All perimeter air monitoring results were less than 0.005 fibers per cubic centimeter of air.



C. Daily Personal Air Monitoring

RCS Environmental conducted personal air monitoring of the abatement contractor's personnel. Samples were conducted on approximately 25% of the contractor's workforce. Personal samples were collected using calibrated low flow pumps. Samples were analyzed using the NIOSH 7400 PCM method. Samples were collected in a manner consistent with OSHA regulations for determining a Permissible Exposure Limit (PEL) and a 30-minute excursion limit.

All personal air monitoring results were below the OSHA PEL of 0.10 f/cc.

D. Final Clearance Evaluation

All work areas were visual inspected by an ODH certified Asbestos Hazard Evaluation Specialist. The inspection was thorough and complete as to identify any remaining asbestos dust or debris.

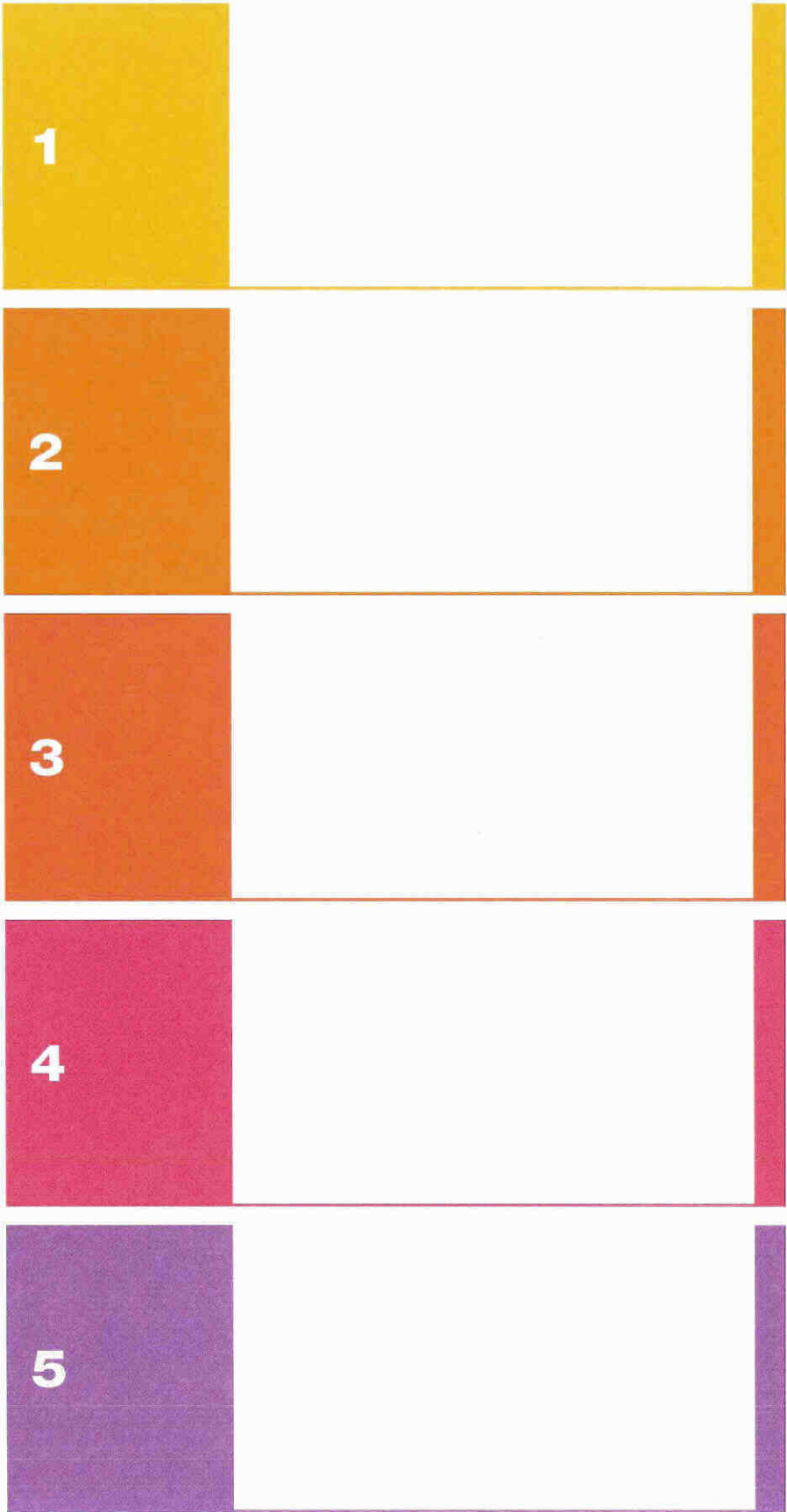
At the completion of the final visual inspection, the abatement activities for that work area was deemed complete.

IV. Comments and Follow-up Action

All specified asbestos contaminated materials were removed and all work conformed to the work plan.

Based on the field notes, visual inspections, observations of work practices, inspection of work areas and air sample results, it is RCS Environmental's opinion that the project was conducted in compliance with regulatory and industry standards.







SECTION 1

TEM Air Monitoring Data Sheets

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

TEM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location</u>	<u>Volume</u>	<u>Result</u>	<u>Asbestos Types</u>
4429701A	01A/01B	WestSideOfProperty SouthPastEndOfBldg. 082311/082411	1576 Liters	<11.0 Fibers/mm ² <0.0027 Fibers/cc	None Detected
4429702A	02A/02B	WestSideOfProperty @WestSideGate 082311/082411	1572 Liters	<11.0 Fibers/mm ² <0.0027 Fibers/cc	None Detected
4429703A	03A/03B	SouthwestCorner OfProperty 082311/082411	1566 Liters	<11.0 Fibers/mm ² <0.0027 Fibers/cc	None Detected
4429704A	04A/04B	South Center Of Property 082311/082411	1562 Liters	<11.0 Fibers/mm ² <0.0027 Fibers/cc	None Detected
4429705A	05A/05B	East Side East Of Property 082311/082411	1554 Liters	11.0 Fibers/mm ² 0.0027 Fibers/cc	Chrysotile
4429706A	06A/06B	North End Inside Decon Area 082311/082411	1552 Liters	<11.0 Fibers/mm ² <0.0027 Fibers/cc	None Detected

NIST-NVLAP No. 101165-0

AIHA Lab No. 100188

NYS-DOH No. 11021

Methodology: NIOSH 7402

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc). These results are not blank corrected.

Analysis Performed By: C. Liska

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

Date: 9/21/2011

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

TEM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location</u>	<u>Volume</u>	<u>Result</u>	<u>Asbestos Types</u>
4429707A	07A/07B	Field Blank 082311/082411	NA Liters	<11.0 Fibers/mm ² NA Fibers/cc	None Detected

NIST-NVLAP No. 101165-0

AIHA Lab No. 100188

NYS-DOH No. 11021

Methodology: NIOSH 7402

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Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429701A
Client Sample No.: 01A/01B

Description/ Location: WestSideOffProperty
SouthPastEndOfBldg.
082311/082411

Volume: 1576 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429702A
Client Sample No.: 02A/02B

Description/ Location: WestSideOfProperty
@WestSideGate
082311/082411

Volume: 1572 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc

ASBESTOS FIBERS: None Detected
≥0.5µm to <5.0µm: None Detected
≥5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc). These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429703A
Client Sample No.: 03A/03B

Description/ Location: Southwest Corner
Of Property
082311/082411

Volume: 1566 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429704A
Client Sample No.: 04A/04B

Description/ Location: South Center
Of Property
082311/082411

Volume: 1562 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc

ASBESTOS FIBERS: None Detected
≥0.5µm to <5.0µm: None Detected
≥5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429705A
Client Sample No.: 05A/05B

Description/ Location: East Side
East Of Property
082311/082411

Volume: 1554 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc

ASBESTOS FIBERS: 1
>=0.5µm to <5.0µm: 1
>=5.0µm: None Detected
Fibers/Area: 11.0 Fibers/mm²
Concentration: 0.0027 Fibers/cc
Types Identified: Chrysotile
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122**Report Date:** 9/21/2011
Project: Cleveland Trencher
Project No.:**IATL No.:** 4429706A
Client Sample No.: 06A/06B**Description/ Location:** North End Inside
Decon Area
082311/082411Volume: 1552 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm**ANALYSIS RESULTS:**Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0027 Fibers/cc**ASBESTOS FIBERS:** None Detected
≥0.5µm to <5.0µm: None Detected
≥5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:**NON-ASBESTOS FIBERS:** None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0027 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIIHA or any agency of the U.S. government.**IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.**Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).**These results are not blank corrected.*

Analysis Performed By: C. Liska**Date:** 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429707A
Client Sample No.: 07A/07B

Description/ Location: Field Blank
082311/082411

Volume: NA Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: NA Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: NA Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: NA Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

<u>Contact Information</u>	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIOT</u>
Fax Number: _____	Office Phone: <u>216-378-0997</u>
Email Address: <u>R</u>	Cell Phone: _____
<u>rcsenvironmental@msn.com</u>	

<u>Analysis/Instructions:</u>
<input checked="" type="checkbox"/> PCM
<input checked="" type="checkbox"/> TEM - NIOSH 7402
<input type="checkbox"/> PLM
<input type="checkbox"/> Other _____
<u>Method (specify): PLEASE USE METHOD 7400 AND 7402 ON EACH CASSETTE</u>
<u>Special Instructions:</u>

<u>Turnaround Time</u>
Preliminary Results Requested Date: _____
<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
Note: Viable/Culturable samples may require several days in order to establish countable colony forming units (CFU) of fungi. * End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

<u>Chain of Custody</u>	
Relinquished (Name/Organization): <u>Muller Labs</u>	Date: <u>9/6/11</u> Time: <u>5pm</u>
Received (Name / IATL): _____	Date: _____ Time: _____
Sample Login (Name / IATL): <u>DA 9/6/11</u>	Date: _____ Time: _____
Analysis (Name(s) / IATL): _____	Date: <u>9-27-11</u> Time: _____
QA/QC Review (Name / IATL): _____	Date: _____ Time: _____
Archived / Released: _____	Date: _____ Time: _____
QA/QC InterLAB Use: _____	Date: _____ Time: _____

RECEIVED

BATCH / SAMPLE MANAGEMENT REPORT

Customer No.: RCS486 Batch Number: **252487**
Customer: RCS Environmental Group Project: **Cleveland Trencher**
2812 Shakercrest Blvd Beachwood OH 44122 Project Number:
Customer Rep: SC TAT: **3 Day**
Date/Time Rec'd: **9/16/2011**
of Samples: **7** Analysis: **TEM NIOSH** Time/Date Due: **9/21/2011**

E-MAILED

Initials Signaling Acknowledgement RTP: _____ To PLM NOB _____ To TEM NOB _____

Special Instructions:

Admin Notes: rcsenvironmental@msn.com

Shipping Error:

- _____ Samples were not received in a sealed container. Bulk samples not double bagged.
- _____ Air Cassettes received open in bag... sample integrity compromised, possible contamination.
- _____ Samples received wet.
- _____ Samples received covered with dust... possible cross contamination.
- _____ Sample containers damaged, contents spilled... possible cross contamination.
- _____ Paperwork received in the same bag as samples possible contamination.
- _____ No / Incomplete Chain of Custody Received.
- _____ No / Incomplete Sample Log Received.
- _____ Sample container IDs do not match the client's sample log.
- _____ No Turnaround Time indicated.
- _____ PCM Re-prep for TEM NIOSH 7402. Cassettes previously opened and portion of filter removed.
- _____ Blank(s) not submitted as required by the requested analytical method.
- _____ Minimum shipping requirements not attained. See attached Carrier Air Bill.
- _____ Other: _____

Batch Error:

- _____ Wrong Client ID Listed:
- _____ Wrong Client Location Listed:
- _____ Wrong Project ID Listed:
- _____ Wrong TurnAround Time Listed:
- _____ Wrong Due Date Listed:
- _____ Wrong Date/Time Received Listed:
- _____ Wrong Analysis Method Listed:
- _____ Wrong Number of Samples Listed:

Login Error:

- _____ Sample Log Stamped Incorrectly:
- _____ Sample Containers Mislabelled:
- _____ Duplicate / Extra Samples Not Stamped:
- _____ Analyst Bench Sheet Error:



RCS Environmental Group

ASBESTOS AIR MONITORING REPORT

Date 8/23/2011
 Client _____
 Project _____
 Project No. _____
 Analytical Method _____

DESCRIPTIVE INFORMATION

SAMPLE I.D.	SAMPLE TYPE	WORKERS NAME	SOCIAL SECURITY #	LOCATION	ACTIVITY	RESPIRATOR TYPE
082311-01A	BGD			Westside of Property South past end of Building		
082311-02A	BGD			Westside of Property @ Westside Gate		
082311-03A	BGP			Southwest corner of Property		
082311-04A	BGD			South center of Property		
082311-05A	BGP			Eastside East of Property		
082311-06A	BGD			Northend inside Decon Area		
082311-07A	FB			Field Blank		

ANALYTICAL INFORMATION

SAMPLE I.D.	PUMP #	CALIB. FLOW RATE (L/min)			RUNNING TIME (min)			VOLUME (Liters)	FIBERS/FIELDS	FIBERS/mm ³ (Blank Corr)	LOG FIBERS/cm ³	FIBER/cm ³ (Blank Corr)
		BEGINNING	END	AVERAGE	START	STOP	DURATION					
082311-01A	20	2.0	2.0	2.0	0808	1449	401	802				
082311-02A	76	2.0	2.0	2.0	0810	1452	402	704				
082311-03A	49	2.0	2.0	2.0	0813	1455	402	804				
082311-04A	99	2.0	2.0	2.0	0819	1458	399	798				
082311-05A	87	2.0	2.0	2.0	0824	1500	396	792				
082311-06A	54	2.0	2.0	2.0	0832	1506	394	788				
082311-07A	NA	NA	NA	NA	NA							

KEY TO ABBREVIATIONS

SAMPLE TYPE	ACTIVITY	RESPIRATOR
PRS = personal HEX = hepa exhaust FB = field blank	FC = final clearance EXC = excursion IWA = inside work area	REM = removal CLN = clean-up GLBG = glovebag WLO = waste load-out
		HM = half mask PF = full face P = powered APR = air purifying resp.

Comments _____

Sampled by [Signature] Date 8/23/2011
 Analyzed by _____ Date _____

JLLP-PRECISION000248

PRELIMINARY RESULTS
Airborne Asbestos Analysis
TEM NIOSH

EMMAILED
10:30 AM

Client: RCS Environmental Group
2812 Shakercrest Blvd.
Beachwood OH 44122
Client No.: RCS486

Project: Cleveland Trencher 9-21-11 ^{TA}
Project No.: _____
PCM Reprep(y/n) y
Turn-Around Time: 3 Day

Client Contacts:		Laboratory Contacts:	
Contacts:	<u>Mike Schmidt</u>	Contacts:	<u>Frank E. Ehrenfeld III</u>
Phone:	_____	Phone:	<u>(856) 231-9449</u>
Fax:	<u>0</u>	Fax:	<u>(856) 231-9818</u>
Cell/Pager:	<u>216-378-0997</u>	Cell/Pager:	<u>(856) 727-8904</u>
E-Mail:	<u>0</u>	E-Mail:	<u>frankehrenfeld@iatl.com</u>

Chain of Custody:			
Samples Taken in Field:	_____	Date:	_____
Samples Rec'd at Laboratory:	<u>DMD</u>	Date:	<u>9/16/11</u>
Samples Analyzed:	<u>CL</u>	Date:	<u>9/21/11</u>
Preliminary Results Faxed:	_____	Date:	_____
Preliminary Results E-Mail:	_____	Date:	_____

Summary Data
Transmission Electron Microscopy
NIOSH 7402

Client Sample ID #	IATL Sample ID #	Volume (L)	Comments	¹ Results f/mm ²	² Results f/cc	³ Results f/cc
082411-01B	4429701	1576	None Detected	< 11	< 0.0027	< 0.0027
082311-01A						
082411-02B	4429702	1572	None Detected	< 11	< 0.0027	< 0.0027
082311-02A						
082411-03B	4429703	1566	None Detected	< 11	< 0.0027	< 0.0027
082311-03A						
082411-04B	4429704	1562	None Detected	< 11	< 0.0027	< 0.0027
082311-04A						
082411-05B	4429705	1554	Chrysotile	11	0.0027	0.0027
082311-05B						
082411-06B	4429706	1552	None Detected	< 11	< 0.0027	< 0.0027
082311-06A						

1 - Total Asbestos Fibers in relation to area analyzed. 2 - Total Asbestos Fibers of all sizes as a function of the volume of air sampled. 3 - Same as for 2 for fibers > 5.0 µm in length.

Grid Box #: 7169
Instrument (I, II): I

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assures that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

TEM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location</u>	<u>Volume</u>	<u>Result</u>	<u>Asbestos Types</u>
4429708A	01A/01B	I/SBldg. South End By Ctr Of Standing Bldg. 082511/082611	1522 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429709A	02A/02B	West Side Of Property @ West Side Gate 082511/082611	1520 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429710A	03A/03B	South End Of Property Near Ctr Of South Side 082511/082611	1514 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429711A	04A/04B	East Side In The South End 082511/082611	1502 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429712A	05A/05B	East Side Of Property Near Ctr Of East Side 082511/082611	1500 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429713A	06A/06B	South Side Of Decon Area 082511/082611	1490 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected

NIST-NVLAP No. 101165-0

AIHA Lab No. 100188

NYS-DOH No. 11021

Methodology: NIOSH 7402

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc). These results are not blank corrected.

Analysis Performed By: C. Liska

Approved By: 

Frank E. Ehrenfeld, III
Laboratory Director

Date: 9/21/2011

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

TEM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Location</u>	<u>Volume</u>	<u>Result</u>	<u>Asbestos Types</u>
4429714A	07A/07B	NorthSideOfProperty EastOfOfficeBldg. 082511/082611	1486 Liters	<11.0 Fibers/mm ² <0.0028 Fibers/cc	None Detected
4429715A	08A/08B	Field Blank 082511/082611	NA Liters	<9.6 Fibers/mm ² NA Fibers/cc	None Detected

NIST-NVLAP No. 101165-0

AIHA Lab No. 100188

NYS-DOH No. 11021

Methodology: NIOSH 7402

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Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429708A
Client Sample No.: 01A/01B

Description/ Location: I/SBldg. SouthEndBy
CtrOfStandingBldg.
082511/082611

Volume: 1522 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429709A
Client Sample No.: 02A/02B

Description/ Location: WestSideOfProperty
@WestSideGate
082511/082611

Volume: 1520 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429710A
Client Sample No.: 03A/03B

Description/ Location: SouthEndOfProperty
NearCtrOfSouthSide
082511/082611

Volume: 1514 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L. (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429711A
Client Sample No.: 04A/04B

Description/ Location: EastSideIn
TheSouthEnd
082511/082611

Volume: 1502 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429712A
Client Sample No.: 05A/05B

Description/ Location: EastSideOfProperty
NearCtrOfEastSide
082511/082611

Volume: 1500 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429713A
Client Sample No.: 06A/06B

Description/ Location: South Side
Of Decon Area
082511/082611

Volume: 1490 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429714A
Client Sample No.: 07A/07B

Description/ Location: NorthSideOfProperty
EastOfOfficeBldg.
082511/082611

Volume: 1486 Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 7
Opening Area: 0.013 mm²
Area Analyzed: 0.091 mm²
Sensitivity: 11.0 Fibers/mm²
Detection Limit: 0.0028 Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <11.0 Fibers/mm²
Concentration: <0.0028 Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

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IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

*Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).
These results are not blank corrected.*

Analysis Performed By: C. Liska

Date: 9/21/2011

Transmission Electron Microscopy - Sample Data

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/21/2011
Project: Cleveland Trencher
Project No.:

IATL No.: 4429715A
Client Sample No.: 08A/08B

Description/ Location: Field Blank
082511/082611

Volume: NA Liters
Filter Type: MCE
Filter Size: 385 mm²
Pore Size: 0.80 µm

ANALYSIS RESULTS:

Grid Openings: 8
Opening Area: 0.013 mm²
Area Analyzed: 0.104 mm²
Sensitivity: 9.60 Fibers/mm²
Detection Limit: NA Fibers/cc

ASBESTOS FIBERS: None Detected
>=0.5µm to <5.0µm: None Detected
>=5.0µm: None Detected
Fibers/Area: <9.6 Fibers/mm²
Concentration: NA Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:

NON-ASBESTOS FIBERS: None Detected
Fibers/Area: <9.6 Fibers/mm²
Concentration: NA Fibers/cc
Types Identified: None Detected
Type 2:
Type 3:
Type 4:

Micrograph Number:
X-Ray Spectrum Number:

Methodology: NIOSH 7402

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

Method requires submittal of blanks for analysis. Detection Limit (Reporting Limit) is dependent upon the volume of air sampled. NIOSH guidelines recommend a minimum of 400 L (0.0074 f/cc).

These results are not blank corrected.

Analysis Performed By: C. Liska

Date: 9/21/2011



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

<u>Contact Information</u>	
Client Company: <u>PCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCH</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIDT</u>
Fax Number: _____	Office Phone: <u>216-378-0997</u>
Email Address: _____	Cell Phone: _____
<u>RCSENVIRONMENTAL@MSNJ.COM</u>	

<u>Analysis/Instructions:</u>
<input checked="" type="checkbox"/> PCM
<input checked="" type="checkbox"/> TEM - NIOSH 7402
<input type="checkbox"/> PLM
<input type="checkbox"/> Other _____
Method (specify): <u>PLEASE DO NOT USE METHOD 7400 AND 7402 ON FEAK CASSETTE.</u>
Special Instructions: _____

<u>Turnaround Time</u>
Preliminary Results Requested Date: _____
<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
Note: Viable/Culturable samples may require several days in order to establish countable colony forming units (CFU) of fungi. * End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

<u>Chain of Custody</u>	
Relinquished (Name/Organization): <u>McPherson</u>	Date: <u>9/14/11</u>
Received (Name / IATL): _____	Date: _____
Sample Login (Name / IATL): <u>Mc 911644</u>	Date: _____
Analysis (Name(s) / IATL): _____	Date: _____
QA/QC Review (Name / IATL): _____	Date: _____
Archived / Released: _____	Date: _____
QA/QC InterLAB Use: _____	Date: _____
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 2em; font-weight: bold;">RECEIVED</div> <div style="font-size: 2em; font-weight: bold;">D</div> </div> <p style="text-align: center; margin-top: 10px;">IATL - By <u>[Signature]</u></p>	

Sample Log

-Airborne Asbestos -

Client: RCS ENVIRONMENTAL Project: CLEVELAND TRENCH

Sampling Date: 8/25-26/11

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
082611-01B 082511-01A	4429708					1522	
082611-02B 082511-02A	4429709					1520	
082611-03B 082511-03A	4429710					1514	
082611-04B 082511-04A	4429711					1502	
082611-05B 082511-05A	4429712					1500	
082611-06B 082511-06A	4429713					1490	
082611-07B 082511-07A	4429714					1486	
082611-08B 082511-08A	4429715	BLANK				N/A	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.



RCS Environmental Group

ASBESTOS AIR MONITORING REPORT

Date 8/25/2011
 Client _____
 Project _____
 Project No. _____
 Analytical Method _____

DESCRIPTIVE INFORMATION

SAMPLE I.D.	SAMPLE TYPE	WORKERS NAME	SOCIAL SECURITY #	LOCATION	ACTIVITY	RESPIRATOR TYPE
082511-01A	BGD			Inside Building Southend of Center of standing Building		
082511-02A	BGD			Westside of Property @ Westside Gate		
082511-03A	BGD			Southend of Property Near Center of Southside		
082511-04A	BGD			Eastside in the Southend		
082511-05A	BGD			Eastside of Property Near Center of Eastside		
082511-06A	BGD			Southside of Decan Area		
082511-07A	BGD			Northend of Property East of Office Building		
082511-08A	FB			Field Blank		

ANALYTICAL INFORMATION

SAMPLE I.D.	PUMP #	CALIB. FLOW RATE (L/min)			RUNNING TIME (min)			VOLUME (Liters)	FIBERS/FIELDS	FIBERS/mm ³ (Blank Corr)	LOG FIBERS/cm ³	FIBER/cm ³ (Blank Corr)
		BEGINNING	END	AVERAGE	START	STOP	DURATION					
082511-01A	49	2.0	2.0	2.0	0817	1451	396	792				
082511-02A	20	2.0	2.0	2.0	0820	1454	394	788				
082511-03A	54	2.0	2.0	2.0	0826	1458	392	784				
082511-04A	99	2.0	2.0	2.0	0833	1459	386	772				
082511-05A	87	2.0	2.0	2.0	0837	1503	396	772				
082511-06A	79	2.0	2.0	2.0	0841	1505	384	768				
082511-07A	P02	2.0	2.0	2.0	0849	1509	380	760				
082511-08A	NA	NA	NA	NA	NA	NA	NA					

KEY TO ABBREVIATIONS

SAMPLE TYPE	ACTIVITY	RESPIRATOR
FRS = personal	FC = final clearance	REM = removal
HEX = hapa exhaust	EXC = excursion	QLN = clean-up
FB = field blank	IWA = inside work area	GLBG = glovebag
BGD = background	OWA = outside work area	WLO = waste load-out
		HM = half mask
		FF = full face
		P = powered
		APR = air purifying resp.

Comments _____

Sampled by [Signature] Date 8/25/2011
 Analyzed by _____ Date _____

JLLP-PRECISION000271



RCS Environmental Group

ASBESTOS AIR MONITORING REPORT

Date 8/26/2011
 Client _____
 Project _____
 Project No. _____
 Analytical Method _____

DESCRIPTIVE INFORMATION

SAMPLE I.D.	SAMPLE TYPE	WORKERS NAME	SOCIAL SECURITY #	LOCATION	ACTIVITY	RESPIRATOR TYPE
82611-01B	BGD			Inside Building Southend by Center of Standby Build		
82611-02B	BGD			Westside of Property @ Westside Gate		
82611-03B	BGD			Southend of Property Near Center of South		
82611-04B	BGD			Eastside in the Southend		
82611-05B	BGD			Eastside of Property Near Center of Eastside		
82611-06B	BGD			Southside of Deacon Area		
82611-07B	BGD			Northend of Property East of Office Building		
82611-08B	FB			Field Blank		

ANALYTICAL INFORMATION

SAMPLE I.D.	PUMP #	CALIB. FLOW RATE (L/min)			RUNNING TIME (min)			VOLUME (Liters)	FIBERS/FIELDS	FIBERS/mm ³ (Blank Corr)	LOG FIBERS/om ³	FIBER/om ³ (Blank Corr)
		BEGINNING	END	AVERAGE	START	STOP	DURATION					
82611-01B	49	2.0	2.0	2.0	0730	1335	365	730				
82611-02B	20	2.0	2.0	2.0	0732	1338	366	732				
82611-03B	54	2.0	2.0	2.0	0735	1340	365	730				
82611-04B	99	2.0	2.0	2.0	0737	1342	365	730				
82611-05B	87	2.0	2.0	2.0	0740	1344	364	728				
82611-06B	79	2.0	2.0	2.0	0744	1345	361	722				
82611-07B	P02	2.0	2.0	2.0	0747	1350	363	726				
82611-08B	NA	NA	NA	NA	NA							

KEY TO ABBREVIATIONS

SAMPLE TYPE	ACTIVITY	RESPIRATOR
PRS = personal	FO = final clearance	REM = removal
HEX = haps exhaust	EXC = excursion	CLN = clean-up
FB = field blank	IWA = inside work area	GLBG = glovebag
		UAP = urea head, cut
		HM = half mask
		PF = full face
		P = powered
		APR = air purifying resp.

Comments _____

Sampled by [Signature] Date 8/26/2011

JLLP-PRECISION000272

BATCH / SAMPLE MANAGEMENT REPORT

Customer No.: RCS486 **Batch Number:** 252489
Customer: RCS Environmental Group **Project:** Cleveland Trencher
2812 Shakercrest Blvd
Beachwood OH **Project Number:** 44122
Customer Rep: SC **TAT:** 3 Day
Date/Time Rec'd: 9/16/2011
of Samples: 8 **Analysis:** TEM NIOSH **Time/Date Due:** 9/21/2011

Initials Signaling Acknowledgement RTP: _____ To PLM NOB _____ To TEM NOB _____

Special Instructions:

Admin Notes: rcsevenvironmental@msn.com

Shipping Error:

- _____ Samples were not received in a sealed container. Bulk samples not double bagged.
- _____ Air Cassettes received open in bag... sample integrity compromised, possible contamination.
- _____ Samples received wet.
- _____ Samples received covered with dust... possible cross contamination.
- _____ Sample containers damaged, contents spilled... possible cross contamination.
- _____ Paperwork received in the same bag as samples possible contamination.
- _____ No / Incomplete Chain of Custody Received.
- _____ No / Incomplete Sample Log Received.
- _____ Sample container IDs do not match the client's sample log.
- _____ No Turnaround Time indicated.
- _____ PCM Re-prep for TEM NIOSH 7402. Cassettes previously opened and portion of filter removed.
- _____ Blank(s) not submitted as required by the requested analytical method.
- _____ Minimum shipping requirements not attained. See attached Carrier Air Bill.
- _____ Other: _____

Batch Error:

- _____ Wrong Client ID Listed:
- _____ Wrong Client Location Listed:
- _____ Wrong Project ID Listed:
- _____ Wrong TurnAround Time Listed:
- _____ Wrong Due Date Listed:
- _____ Wrong Date/Time Received Listed:
- _____ Wrong Analysis Method Listed:
- _____ Wrong Number of Samples Listed:

Login Error:

- _____ Sample Log Stamped Incorrectly:
- _____ Sample Containers Mislabeled:
- _____ Duplicate / Extra Samples Not Stamped:
- _____ Analyst Bench Sheet Error:

PRELIMINARY RESULTS
Airborne Asbestos Analysis
TEM NIOSH

9-21-11 TA
12:20 PM

Client: RCS Environmental Group
2812 Shakercrest Blvd.
Beachwood OH 44122
Client No.: RCS486

Project: Cleveland Trencher
Project No.: _____
PCM Reprep(y/n) y
Turn-Around Time: 3 Day

Client Contacts:	Laboratory Contacts:
Contacts: <u>Mike Schmidt</u>	Contacts: <u>Frank E. Ehrenfeld III</u>
Phone: _____	Phone: <u>(856) 231-9449</u>
Fax: <u>0</u>	Fax: <u>(856) 231-9818</u>
Cell/Pager: <u>216-378-0997</u>	Cell/Pager: <u>(856) 727-8904</u>
E-Mail: <u>0</u>	E-Mail: <u>frankehrenfeld@iatl.com</u>

Chain of Custody:					
Samples Taken in Field:	_____	Date:	_____	Time:	_____
Samples Rec'd at Laboratory:	<u>DMD</u>	Date:	<u>9/16/11</u>	Time:	_____
Samples Analyzed:	<u>CL</u>	Date:	<u>9/21/11</u>	Time:	_____
Preliminary Results Faxed:	_____	Date:	_____	Time:	_____
Preliminary Results E-Mail:	_____	Date:	_____	Time:	_____

Summary Data
Transmission Electron Microscopy
NIOSH 7402

Client Sample ID #	IATL Sample ID #	Volume (L)	Comments	¹ Results f/mm ²	² Results f/cc	³ Results f/cc
082611-01B	4429708	1522	None Detected	< 11	< 0.0028	< 0.0028
082611-02B	4429709	1520	None Detected	< 11	< 0.0028	< 0.0028
082611-03B	4429710	1514	None Detected	< 11	< 0.0028	< 0.0028
082611-04B	4429711	1502	None Detected	< 11	< 0.0028	< 0.0028
082611-05B	4429712	1500	None Detected	< 11	< 0.0028	< 0.0028
082611-06B	4429713	1490	None Detected	< 11	< 0.0028	< 0.0028
082611-07B	4429714	1486	None Detected	< 11	< 0.0028	< 0.0028
082611-08B	4429715	FB	None Detected	< 9.62	< NA	< NA

1 - Total Asbestos Fibers in relation to area analyzed. 2 - Total Asbestos Fibers of all sizes as a function of the volume of air sampled. 3 - Same as for 2 for fibers > 5.0 µm in length.

Grid Box #: 7170
Instrument (I, II): I

These preliminary results are issued by IATL to expedite procedures by the clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificates of Analysis will follow these preliminary results. The signed COAs are to be considered the official results.

SECTION 2

PCM Air Monitoring Data Sheets

CERTIFICATE OF ANALYSIS

Client:	RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date:	9/20/2011
		Report Number:	252486
		Project:	Cleveland Trencher
		Project No.:	

PCM AIR SAMPLE ANALYSIS SUMMARY

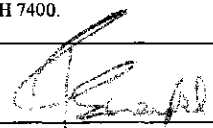
Lab No.	Client No.	Description / Location	Volume (Liters)	Density (Fibers/mm ³)	Concentration (Fibers/cc)
4429701	01A/01B	WestSideOfPropertySouthPastEndOfBldg. 082311/082411	1576	2.65	<0.0018
4429702	02A/02B	WestSideOfProperty@WestSideGate 082311/082411	1572	2.65	<0.0018
4429703	03A/03B	SouthwestCornerOfProperty 082311/082411	1566	2.65	<0.0018
4429704	04A/04B	South Center Of Property 082311/082411	1562	2.65	<0.0018
4429705	05A/05B	EastSideEastOfProperty 082311/082411	1554	2.65	<0.0018
4429706	06A/06B	NorthEndInsideDeconArea 082311/082411	1554	2.65	<0.0018
4429707	07A/07B	Field Blank 082311/082411	0	1.33	NA

Accreditation: **AIHA Registry Program, LLC** **AIHA-LAP, LLC No. 100188**
*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 f/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/16/2011
Date Analyzed: 9/20/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

Contact Information	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIDT</u>
Fax Number: _____	Office Phone: <u>216-378-0997</u>
Email Address: <u>R</u>	Cell Phone: _____
<u>RCSenvironmental@msn.com</u>	

Analysis/Instructions:
<input checked="" type="checkbox"/> PCM <input checked="" type="checkbox"/> TEM - NIOSH 7402 <input type="checkbox"/> PLM <input type="checkbox"/> Other _____
Method (specify): <u>PLEASE USE METHOD 7400 AND 7402 ON EACH CASSETTE</u>
Special Instructions: _____ _____ _____

Turnaround Time
Preliminary Results Requested Date: _____ <input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
<div style="text-align: center; font-size: small;">Specific date / time</div> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
Note: Viable/Culturable samples may require several days in order to establish countable colony forming units (CFU) of fungi. * End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody	
Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>9/6/11</u> Time: <u>5pm</u>
Received (Name / IATL): _____	Date: _____ Time: <u>SEP 16 2011</u>
Sample Login (Name / IATL): <u>[Signature]</u>	Date: _____ Time: _____
Analysis (Name(s) / IATL): _____	Date: <u>9/20/11</u> Time: _____
QA/QC Review (Name / IATL): <u>[Signature]</u>	Date: _____ Time: _____
Archived / Released: _____	Date: _____ Time: _____
QA/QC InterLAB Use: _____	Date: _____ Time: _____

RECEIVED

Sample Log

—Airborne Asbestos—

Client: ~~RCS~~ RCS ENVIRONMENTAL Project: CLEVELAND TRENCHER

Sampling Date: 9/23-24/11

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
✓ 082411-01B 082311-01A	4429701	2 FB				1576	2.65 <0.0018
✓ 082411-02B 082311-02A	4429702	2 FB				1572	2.65 <0.0018
✓ 082411-03B 082311-03A	4429703	2 FB				1566	2.65 <0.0018
✓ 082411-04B 082311-04A	4429704	2 FB				1562	2.65 <0.0018
✓ 082411-05B 082311-05A	4429705	2 FB				1554	2.65 <0.0018
082411-06B 082311-06A	4429706	2 FB				1552	2.65 <0.0018
082411-07B 082311-07A	4429707	1 FB BLANK					1.33 /

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

CERTIFICATE OF ANALYSIS

Client:	RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date:	9/20/2011
		Report Number:	252488
		Project:	Cleveland Trencher
		Project No.:	

PCM AIR SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Description / Location	Volume (Liters)	Density (Fibers/mm ³)	Concentration (Fibers/cc)
4429708	01A/01B	Inside Bldg. South End By Ctr Of Stand By Bldg. 082511/082611	1522	2.65	<0.0018
4429709	02A/02B	West Side Of Property @ West Side Gate 082511/082611	1520	2.65	<0.0018
4429710	03A/03B	South End Of Property Near Ctr Of South Side 082511/082611	1514	2.65	<0.0019
4429711	04A/04B	East Side In The South End 082511/082611	1502	2.65	<0.0019
4429712	05A/05B	East Side Of Property Near Ctr Of East Side 082511/082611	1500	2.65	<0.0019
4429713	06A/06B	South Side Of Decon Area 082511/082611	1490	2.65	<0.0019
4429714	07A/07B	North Side Of Property East Of Office Bldg. 082511/082611	1486	2.65	<0.0019
4429715	08A/08B	Field Blank 082511/082611	0	1.33	NA

Accreditation:

AIHA Registry Program, LLC

AIHA-LAP, LLC No. 100188

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This report shall not be reproduced except in full, without written approval of the laboratory.*

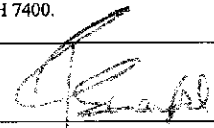
Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments:

A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 f/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/16/2011
Date Analyzed: 9/20/2011
Analyst: B. Reich

Approved By: _____


Frank E. Ehrenfeld, III
Laboratory Director



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

<u>Contact Information</u>	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIOT</u>
Fax Number: _____	Office Phone: <u>216-378-0997</u>
Email Address: _____	Cell Phone: _____
<u>RCSenvironmental@msn.com</u>	

<u>Analysis/Instructions:</u>
<input checked="" type="checkbox"/> PCM <input checked="" type="checkbox"/> TEM - NIOSH 7402 <input type="checkbox"/> PLM <input type="checkbox"/> Other _____
Method (specify): <u>PLEASE NOT USE METHOD 7400 AND 7402 ON FEAK CASSETTE.</u>
Special Instructions: _____ _____ _____

<u>Turnaround Time</u>
Preliminary Results Requested Date: _____ <input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
<div style="text-align: center; font-size: small;">Specific date / time</div> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
Note: Viable/Culturable samples may require several days in order to establish countable colony forming units (CFU) of fungi. * End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

<u>Chain of Custody</u>	
Relinquished (Name/Organization): <u>MPLK (LCS)</u>	Date: <u>9/16/11</u>
Received (Name / IATL): _____	Date: _____
Sample Login (Name / IATL): <u>20110916114</u>	Date: _____
Analysis (Name(s) / IATL): _____	Date: _____
QA/QC Review (Name / IATL): <u>Shea</u>	Date: <u>9/20/11</u>
Archived / Released: _____	Date: _____
QA/QC InterLAB Use: _____	Date: _____
IATL - By <u>[Signature]</u>	

Sample Log

—Airborne Asbestos—

Client: RCS ENVIRONMENTAL Project: CLEVELAND TRENCH

Sampling Date: 8/25-26/11

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	f/ Results f/
							mmf ycc
✓ 082611-01B 082511-01A	4429708	2 FB				1522	2.65 <0.0018
✓ 082611-02B 082511-02A	4429709	2 FB				1520	2.65 <0.0018
✓ 082611-03B 082511-03A	4429710	2 FB				1514	2.65 <0.0019
✓ 082611-04B 082511-04A	4429711	2 FB				1502	2.65 <0.0019
✓ 082611-05B 082511-05A	4429712	2 FB				1500	2.65 <0.0019
✓ 082611-06B 082511-06A	4429713	2 FB				1490	2.65 <0.0019
✓ 082611-07B 082511-07A	4429714	2 FB				1486	2.65 <0.0019
✓ 082611-08B 082511-08A	4429715	FB BLANK				N/A	1.33 /

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

CERTIFICATE OF ANALYSIS

Client:	RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date:	9/20/2011
		Report Number:	252490
		Project:	Cleveland Trencher
		Project No.:	

PCM AIR SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Description / Location	Volume (Liters)	Density (Fibers/mm ²)	Concentration (Fibers/cc)
4429716	08232011-08	PRS:Rodney Warrens#2410 InDeconAreaSetupUnloadSupplies	342	42.4	0.0480
4429717	08232011-09	EXC:Rodney Warrens#2410 2ndFloorOfficeBldg.SealingWindow	60	2.65	<0.0470
4429718	08232011-10	PRS:Rodney Warrens#2410 2ndFloorOfficeBldg.SealingWindow	210	10.6	0.0190
4429719	08232011-11	Field Blank	0	1.33	NA

AIHA Registry Program, LLC AIHA-LAP, LLC No. 100188

Accreditation: *This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

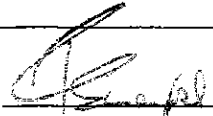
Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 Fmm². These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/16/2011

Date Analyzed: 9/20/2011

Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/20/2011
Report Number: 252490
Project: Cleveland Trencher
Project No.:

PCM AIR SAMPLE ANALYSIS SUMMARY

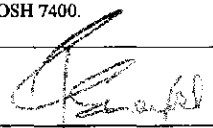
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4429720	08242011-08	EXC:Rodney Warrens#2410 OfficeBldg.2ndFloorSealingWindows	60	2.65	<0.0470
4429721	08242011-09	PRS:Rodney Warrens#2410 OfficeBldg.2ndFloorSealingWindows	512	29.2	0.0220
4429722	08242011-10	PRS:Rodney Warrens#2410 OfficeBldg.2ndFloorSealingWindows	362	18.6	0.0200
4429723	08242011-11	Field Blank	0	1.33	NA

Accreditation: **AIHA Registry Program, LLC** **AIHA-LAP, LLC No. 100188**
*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 F/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/16/2011
Date Analyzed: 9/20/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/20/2011 Report Number: 252490 Project: Cleveland Trencher Project No.:
---	--

PCM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4429724	08252011-09	PRS:Rodney Warrens#2410 OfficeBldg.2ndFloorSealingWindows	630	7.29	0.0045
4429725	08252011-10	EXC:Rodney Warrens#2410 OfficeBldg.1stFloorSealingWindows	60	2.65	<0.0470
4429726	08252011-11	PRS:Rodney Warrens#2410 OfficeBldg.1stFloorSealingWindows	262	2.65	<0.0110
4429727	08252011-12	Field Blank	0	1.33	NA

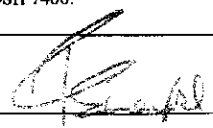
AIHA Registry Program, LLC **AIHA-LAP, LLC No. 100188**

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Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

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Date Received: 9/16/2011
Date Analyzed: 9/20/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client:	RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date:	9/20/2011
		Report Number:	252490
		Project:	Cleveland Trencher
		Project No.:	

PCM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4429728	08262011-09	EXC:Rodney Warrens#2410 OfficeBldg.1stFloorSealingWindows	64	2.65	<0.0440
4429729	08262011-10	PRS:Rodney Warrens#2410 OfficeBldg.1stFloorSealingWindows	368	7.96	0.0083
4429730	08262011-11	PRS:Rodney Warrens#2410 OfficeBldg.1stFloorSealingWindows	206	19.9	0.0370
4429731	08262011-12	Field Blank	0	1.33	NA

AIHA Registry Program, LLC **AIHA-LAP, LLC No. 100188**

Accreditation: *This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government*
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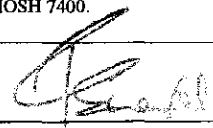
Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

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Date Received: 9/16/2011

Date Analyzed: 9/20/2011

Analyst: B. Reich

Approved By: 

Frank E. Ehrenfeld, III
Laboratory Director



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

— Airborne Asbestos —

Contact Information	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIDT</u>
Fax Number: _____	Office Phone: <u>216-378-0997</u>
Email Address: _____	Cell Phone: <u>SAME</u>
<u>RCSenvironmental@msn.com</u>	

Matrix/Method:
<input checked="" type="checkbox"/> PCM: NIOSH 7400
<input type="checkbox"/> PCM: OSHA ID-160
<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> TEM: AHERA 40 CFR 763
<input type="checkbox"/> TEM: ISO 10312
<input type="checkbox"/> TEM: ISO 13794
<input type="checkbox"/> Other _____
Special Instructions: <u>PLEASE ANALYZE ALL "POSITIVE" RESULTS</u> <u>GREATER THAN 0.005 f/cc BY NIOSH 7402 (TEM).</u> <u>DO NOT ANALYZE BY TEM IF GREATER THAN 0.005 f/cc BECAUSE</u> <u>OF DETECTION LIMIT AND SMALL SAMPLE VOLUME</u>

Turnaround Time
Preliminary Results Requested Date: _____ <input type="checkbox"/> Verbal <input type="checkbox"/> Email <input type="checkbox"/> Fax <small style="margin-left: 100px;">Specific date / time</small> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
<small>* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***</small>

Chain of Custody	
Relinquished (Name/Organization): <u>Mike</u>	Date: _____
Received (Name / iATL): _____	Date: _____
Sample Login (Name / iATL): <u>17111611</u>	Date: _____
Analysis (Name(s) / iATL): <u>ASAP</u>	Date: <u>9/20/11</u>
QA/QC Review (Name / iATL): <u>dec 9-20-11</u>	Date: _____
Archived / Released: _____	Date: _____
QA/QC InterLAB Use: _____	Date: _____

RECEIVED

IATL - By _____

Time: SEP 15 2011



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

<u>Contact Information</u>	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIDT</u>
Fax Number: _____	Office Phone: <u>216-378,0997</u>
Email Address: _____	Cell Phone: <u>SAME</u>
<u>RCSenvironmental@msn.com</u>	

<u>Matrix/Method:</u>
<input checked="" type="checkbox"/> PCM: NIOSH 7400
<input type="checkbox"/> PCM: OSHA ID-160
<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> TEM: AHERA 40 CFR 763
<input type="checkbox"/> TEM: ISO 10312
<input type="checkbox"/> TEM: ISO 13794
<input type="checkbox"/> Other _____
Special Instructions: <u>PLEASE ANALYZE ALL "POSITIVE" RESULTS</u>
<u>(GREATER THAN 0.005 f/cc BY NIOSH 7402(TEM)).</u>
<u>DO NOT ANALYZE BY TEM IF GREATER THAN 0.005 f/cc BECAUSE</u>
<u>OF DETECTION LIMIT AND SMALL SAMPLE VOLUME</u>

<u>Turnaround Time</u>
Preliminary Results Requested Date: _____ <input type="checkbox"/> Verbal <input type="checkbox"/> Email <input type="checkbox"/> Fax
<div style="text-align: center; font-size: small;">Specific date / time</div> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

<u>Chain of Custody</u>	
Relinquished (Name/Organization): <u>Mike Schmidt</u>	Date: _____ Time: _____
Received (Name / iATL): _____	Date: _____ Time: _____
Sample Login (Name / iATL): _____	Date: _____ Time: <u>SEP 19 2011</u>
Analysis (Name(s) / iATL): _____	Date: _____ Time: _____
QA/QC Review (Name / iATL): _____	Date: _____ Time: _____
Archived / Released: _____ QA/QC InterLAB Use: _____	Date: _____ Time: _____
<div style="display: flex; justify-content: space-between; align-items: center;"> RECEIVED </div> <div style="display: flex; justify-content: center; align-items: center; margin-top: 10px;"> IATL By [Signature] </div>	

Sample Log

—Airborne Asbestos—

Client: RCS ENVIRONMENTAL Project: CLEVELAND TRENCHER

Sampling Date: 8/23-26/11

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results /mg /cc
✓ 08232011-08	4429716				$\frac{2}{100}$	342	424 0.048
✓ 08232011-09	4429717				$\frac{2}{100}$	60	2.65 <0.047
✓ 08232011-10	4429718				$\frac{8}{100}$	210	10.6 0.019
✓ 08232011-11	4429719				$\frac{1}{100}$	BLANK	1.33 ✓
✓ 8242011-08	4429720				$\frac{2}{100}$	60	2.65 <0.047
✓ 8242011-09	4429721				$\frac{2}{100}$	512	29.2 0.022
✓ 8242011-10	4429722				$\frac{14}{100}$	362	19.6 0.020
✓ 8242011-11	4429723				$\frac{1}{100}$	BLANK	1.33 ✓
✓ 8252011-09	4429724				$\frac{5.5}{100}$	630	7.29 0.0045
✓ 8252011-10	4429725				$\frac{2}{100}$	60	2.65 <0.047
✓ 8252011-11	4429726				$\frac{2}{100}$	262	2.65 <0.011
✓ 8252011-12	4429727				$\frac{1}{100}$	BLANK	1.33 ✓
82811-09	4429728				$\frac{2}{100}$	64	2.65 <0.044
82811-10	4429729				$\frac{6}{100}$	368	7.96 0.0083
82811-11	4429730				$\frac{19.6}{100}$	204	19.9 0.037
82811-12	4429731				$\frac{1}{100}$	BLANK	1.33 ✓

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/27/2011
Report Number: 253205
Project: Cleveland Trencher
Project No.:

PCM AIR SAMPLE ANALYSIS SUMMARY

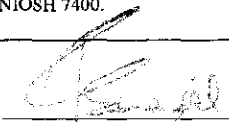
Lab No.	Client No.	Description / Location	Volume (Liters)	Density (Fibers/mm ³)	Concentration (Fibers/cc)
4436670	082911-01	PER:West Side South Past End Of Bldg.	1296	2.65	<0.0022
4436671	082911-02	PER:West Side @ West Gate	1293	2.65	<0.0022
4436672	082911-03	PER:South End Of Property Near Center Of South	1290	2.65	<0.0022
4436673	082911-04	PER:East End Of Property Near Center	1275	2.65	<0.0022
4436674	082911-05	PER:South Side Of Decon Area	1305	2.65	<0.0022
4436675	082911-06	Field Blank	0	1.33	NA

Accreditation: **AIHA Registry Program, LLC** **AIHA-LAP, LLC No. 100188**
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Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

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Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/27/2011 Report Number: 253205 Project: Cleveland Trencher Project No.:
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PCM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436676	083011-01	PER:West Side @ West Gate	1305	2.65	<0.0022
4436677	083011-02	PER:South Side Near Center	1305	2.65	<0.0022
4436678	083011-03	PER:East Side Near Center	1305	2.65	<0.0022
4436679	083011-04	PER:Southeast Of Decon Arca	1305	2.65	<0.0022
4436680	083011-05	Field Blank	0	1.33	NA

AIHA Registry Program, LLC

AIHA-LAP, LLC No. 100188

Accreditation:

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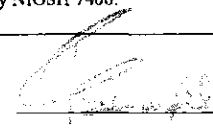
Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

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Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/27/2011 Report Number: 253205 Project: Cleveland Trencher Project No.:
---	--

PCM AIR SAMPLE ANALYSIS SUMMARY

<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436681	083111-01	PER:West Side Southwest @ West Gate	1365	2.65	<0.0021
4436682	083111-02	PER:South End Center Of South	1344	2.65	<0.0021
4436683	083111-03	PER:East Side Center	1317	2.65	<0.0021
4436684	083111-04	PER:North Side Of Decon Area	1452	2.65	<0.0019
4436685	083111-05	Field Blank	0	1.33	NA

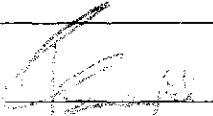
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Date Received: 9/26/2011
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Analyst: B. Reich

Approved By: 
 Frank E. Ehronfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/27/2011 Report Number: 253205 Project: Cleveland Trencher Project No.:
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PCM AIR SAMPLE ANALYSIS SUMMARY

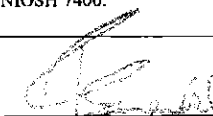
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436686	090111-01	PER:West Side @ Gate	1221	2.65	<0.0023
4436687	090111-02	PER:South End Center Of South	1215	2.65	<0.0023
4436688	090111-03	PER:East Side Center	1206	2.65	<0.0023
4436689	090111-04	PER:North Side Of Decon Area	1600	2.65	<0.0018
4436690	090111-05	Field Blank	0	1.33	NA

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Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/27/2011
Report Number: 253205
Project: Cleveland Trencher
Project No.:

PCM AIR SAMPLE ANALYSIS SUMMARY

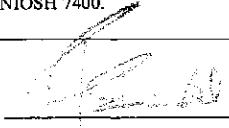
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436691	090211-01	PER:Southwest On West Gate	1224	2.65	<0.0023
4436692	090211-02	PER:South End Center Of South	1224	2.65	<0.0023
4436693	090211-03	PER:East Side Center Of East	1221	2.65	<0.0023
4436694	090211-04	PER:North Side Of Decon Area	1624	2.65	<0.0017
4436695	090211-05	Field Blank	0	1.33	NA

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Date Received: 9/26/2011
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CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/27/2011
Report Number: 253205
Project: Cleveland Trencher
Project No.:

PCM AIR SAMPLE ANALYSIS SUMMARY

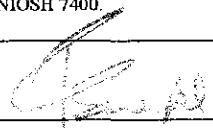
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436696	090611-01	PER:Southwest @ West Gate	1314	2.65	<0.0021
4436697	090611-02	PER:South End Center	1308	2.65	<0.0021
4436698	090611-03	PER:East Side Center	1290	2.65	<0.0022
4436699	090611-04	PER:North End Of Decon Area	1620	2.65	<0.0017
4436700	090611-05	Field Blank	0	1.33	NA

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Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 f/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/27/2011 Report Number: 253205 Project: Cleveland Trencher Project No.:
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PCM AIR SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Description / Location	Volume (Liters)	Density (Fibers/mm ³)	Concentration (Fibers/cc)
4436701	090711-01	PER:Southwest @ West Gate	1068	2.65	<0.0026
4436702	090711-02	PER:South End Center	1065	2.65	<0.0026
4436703	090711-03	PER:East Side Center	1062	2.65	<0.0026
4436704	090711-04	PER:North End Of Decon Area	1172	2.65	<0.0024
4436705	090711-05	Field Blank	0	1.33	NA

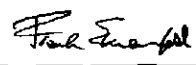
AIHA Registry Program, LLC **AIHA-LAP, LLC No. 100188**

Accreditation: *This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government*
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Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

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Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group 2812 Shakercrest Blvd Beachwood OH 44122	Report Date: 9/27/2011 Report Number: 253205 Project: Cleveland Trencher Project No.:
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PCM AIR SAMPLE ANALYSIS SUMMARY

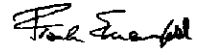
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436706	090811-02	PER:South End Near Center	1137	2.65	<0.0025
4436707	090811-03	PER:East Side Near Center	1131	5.31	<0.0025
4436708	090811-04	PER:North End Of Decon Area	1608	2.65	<0.0017
4436709	090811-05	Field Blank	0	1.33	NA

Accreditation:	AIHA Registry Program, LLC AIHA-LAP, LLC No. 100188 <i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government</i> <i>This report shall not be reproduced except in full, without written approval of the laboratory.</i>
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Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 f/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: RCS Environmental Group
2812 Shakercrest Blvd
Beachwood OH 44122

Report Date: 9/27/2011
Report Number: 253205
Project: Cleveland Trencher
Project No.:

PCM AIR SAMPLE ANALYSIS SUMMARY

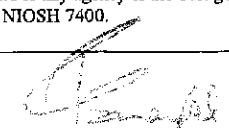
<u>Lab No.</u>	<u>Client No.</u>	<u>Description / Location</u>	<u>Volume (Liters)</u>	<u>Density (Fibers/mm³)</u>	<u>Concentration (Fibers/cc)</u>
4436710	090911-01	PER:Southwest @ West Gate	1440	2.65	<0.0020
4436711	090911-02	PER:South Center	1440	18.6	0.0050
4436712	090911-03	PER:East Near Center	1425	13.3	0.0036
4436713	090911-04	PER:North End Of Decon	1716	2.65	<0.0016
4436714	090911-05	Field Blank	0	1.33	NA

Accreditation: **AIHA Registry Program, LLC** **AIHA-LAP, LLC No. 100188**
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This report shall not be reproduced except in full, without written approval of the laboratory.

Analytical Method: Phase Contrast Microscopy - NIOSH 7400 Method Revision #4, Issue 2, August 15, 1994

Comments: A VOID concentration means that the sample has been overloaded with particulate matter and could not be reliably analyzed. Method requires submittal of blanks. Reporting Limit based upon 7 f/mm³. These results are not blank corrected. IATL assumes that appropriate sampling methods were used and that the data upon which these results are based, has been accurately supplied by the client. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government. Current annual Coefficient of Variation (CV) values from low to high fiber ranges are 0.24, 0.36, & 0.25 as required by NIOSH 7400.

Date Received: 9/26/2011
Date Analyzed: 9/27/2011
Analyst: B. Reich

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Airborne Asbestos -

<u>Contact Information</u>	
Client Company: <u>RCS ENVIRONMENTAL</u>	Project Number: _____
Office Address: <u>2812 SHAKERCREST</u>	Project Name: <u>CLEVELAND TRENCHER</u>
City, State, Zip: <u>BEACHWOOD, OH 44122</u>	Primary Contact: <u>MIKE SCHMIDT</u>
Fax Number: _____	Office Phone: <u>216-378,0997</u>
Email Address: _____	Cell Phone: <u>SAME</u>
<u>RCSenvironmental@msn.com</u>	

<u>Matrix/Method:</u>
<input checked="" type="checkbox"/> PCM: NIOSH 7400
<input type="checkbox"/> PCM: OSHA ID-160
<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> TEM: AHERA 40 CFR 763
<input type="checkbox"/> TEM: ISO 10312
<input type="checkbox"/> TEM: ISO 13794
<input type="checkbox"/> Other _____
Special Instructions: <u>PLEASE ANALYZE ALL "POSITIVE" RESULTS</u> <u>(GREATER THAN 0.005 f/cc BY NIOSH 7402(TEM)).</u> <u>DO NOT ANALYZE BY TEM IF GREATER THAN 0.005 f/cc BECAUSE</u> <u>OF DETECTION LIMIT AND SMALL SAMPLE VOLUME</u>

<u>Turnaround Time</u>
Preliminary Results Requested Date: _____ <input type="checkbox"/> Verbal <input type="checkbox"/> Email <input type="checkbox"/> Fax
<div style="text-align: center;"> <small>Specific date / time</small> <input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH** </div>
45
<small>* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***</small>

<u>Chain of Custody</u>	
Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>DEC 10</u> Time: <u>5:00 PM</u>
Received (Name / iATL): _____	Date: <u>DEC 11</u> Time: <u>11:00 AM</u>
Sample Login (Name / iATL): <u>[Signature]</u>	Date: _____ Time: _____
Analysis(Name(s) / iATL): <u>[Signature]</u>	Date: <u>12/14 SEP</u> Time: _____
QA/QC Review (Name / iATL): <u>[Signature]</u>	Date: _____ Time: <u>1:00</u>
Archived / Released: _____ QA/QC InterLAB Use: _____	Date: _____ Time: _____
iATL - By <u>[Signature]</u>	

Sample Log

- Airborne Asbestos -

Client: RCS ENVIRONMENTAL Project: CLEVELAND TRENCHER

Sampling Date: 8/29-30/11

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (#12) Volume (L)	Results mg/m ³ ✓
082911-01	4436670				2/100	1296	2.65 < 0.0022
082911-02	4436671				2/100	1293	2.65 < 0.0022
082911-03	4436672				2/100	1290	2.65 < 0.0022
082911-04	4436673				2/100	1275	2.65 < 0.0022
082911-05	4436674				2/100	1305	2.65 < 0.0022
082911-06	4436675				1/100	BLANK	1.33 ✓
083011-01	4436676				2/100	1305	2.65 < 0.0022
083011-02	4436677				2/100	1305	2.65 < 0.0022
083011-03	4436678				2/100	1305	2.65 < 0.0022
083011-04	4436679				2/100	1305	2.65 < 0.0022
083011-05	4436680				1/100	BLANK	1.33 ✓

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sample Log

—Airborne Asbestos—

Client: RCS ENVIRONMENTAL

Project: CLEVELAND TRENCH

Sampling Date: 8/31, 9/1, 9/2 2011

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (#2) Volume (L)	Results mm ² /cc
083111-01	4436681				$\frac{2}{100}$	1365	2.65 < 0.0021
083111-02	4436682				$\frac{2}{100}$	1344	2.65 < 0.0021
083111-03	4436683				$\frac{2}{100}$	1317	2.65 < 0.0021
083111-04	4436684				$\frac{2}{100}$	1452	2.65 < 0.0019
083111-05	4436685				$\frac{1}{100}$	BLANK	1.33 ✓
090111-01	4436686				$\frac{2}{100}$	1221	2.65 < 0.0023
090111-02	4436687				$\frac{2}{100}$	1215	2.65 < 0.0023
090111-03	4436688				$\frac{2}{100}$	1206	2.65 < 0.0023
090111-04	4436689				$\frac{2}{100}$	1600	2.65 < 0.0018
090111-05	4436690				$\frac{1}{100}$	BLANK	1.33 ✓
090211-01	4436691				$\frac{2}{100}$	1224	2.65 < 0.0023
090211-02	4436692				$\frac{2}{100}$	1224	2.65 < 0.0023
090211-03	4436693				$\frac{2}{100}$	1221	2.65 < 0.0023
090211-04	4436694				$\frac{2}{100}$	1624	2.65 < 0.0017
090211-05	4436695				$\frac{1}{100}$	BLANK	1.33 ✓

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** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

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Sample Log

— Airborne Asbestos —

Client: RCS ENVIRONMENTAL Project: CLEVELAND TRENCHER

Sampling Date: 9/6-8/11

Client Sample #	IATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (#2) Volume (L)	Results $\frac{\mu\text{m}}{\text{cc}}$
090611-01	4436696				$\frac{2}{100}$	1314	2.65 < 0.0021
090611-02	4436697				$\frac{2}{100}$	1308	2.65 < 0.0021
090611-03	4436698				$\frac{2}{100}$	1290	2.65 < 0.0022
090611-04	4436699				$\frac{2}{100}$	1620	2.65 < 0.0017
090611-05	4436700				$\frac{1}{100}$	BLANK	1.33
090711-01	4436701				$\frac{2}{100}$	1068	2.65 < 0.0026
090711-02	4436702				$\frac{2}{100}$	1065	2.65 < 0.0026
090711-03	4436703				$\frac{2}{100}$	1062	2.65 < 0.0026
090711-04	4436704				$\frac{2}{100}$	1172	2.65 < 0.0024
090711-05	4436705				$\frac{1}{100}$	BLANK	1.33
090811-01	VOID						(MS)
090811-02	4436706				$\frac{2}{100}$	1137	2.65 < 0.0025
090811-03	4436707				$\frac{4}{100}$	1131	5.31 < 0.0025
090811-04	4436708				$\frac{2}{100}$	1608	2.65 < 0.0017
090811-05	4436709				$\frac{1}{100}$	BLANK	1.33

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

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