A-14

UNITED PAINTING COMPANY, INC.

INDUSTRIAL PROTECTIVE COATINGS

605 N. MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10552 • (914) 664-3939

February 1, 1984

RECEIVED

FEB 6 1984

F. M. GALLO

PLAINTIFF'S EXHIBIT UC-450

Union Carbide Corporation
Tarrytown, N.Y. 10591

Re: Pipe Insulation Removal
and vacuum
IBM-Bldg, Tarrytown, N.Y.

Gentlemen:

United Painting Company, Inc., proposes the following:

1 - Remove approximately 560 sq.ft. pipe insulation and place in 6 mil disposal bags properly marked and labeled.

2 - Vacuum work area ceilings, walls, floor pipes, conducts, ducts, etc.

3 - Cover to envelope work area and erect decontamination unit.

4 - Daily air tests will be accomplished per OSHA requirements. Daily dics charting asbestos levels will be read and summerized by an independent hygienist laboratory.

5 - The work area shall be clean and orderly when work is completed in addition to the vacuum requirements.

6 - Work shall start Friday at 5 PM through Saturday.

The work will be done in accordance with E.P.A. and OSHA regulations, including masking and enveloping of area and safety equipment for men and testing for the net sum of $4,875.00.

It is clearly understood that Union Carbide Corporation will supply the necessary disposal drums and remove the drums containing the hazardous material to an approved land fill.

If you have any questions please feel free to contact us.

Very truly yours,

UNITED PAINTING CO., INC.

A.M.Stein
President

FYI

cc RLM

A03440

AMS/ts

A.14

UNION CARBIDE

INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION [illegible] TARRYTOWN, N.Y.

To [Name] Mr. Gerard W. Kottman
Division Westchester County Airport
Location White Plains, N.Y.
Area

Date February 9, 1984

Originating Dept

Area

Copy to Messrs: A. Arias
R.L. Bujalski ✓
R.F. Dwyer
J.M. Henderson
E.R. Majka

Subject REMOVING OF ASBESTOS AND PAINTING

Jerry:

Per your request on January 23, 1984 to start the removal of the Asbestos on two hot water tanks and adjacent pipes, cover East and West exposed walls with sheetrock and paint hangar walls.

As Mr. E.R. Majka and myself had discussed with you, before we can proceed with the work I will need a charge number.

B.F. O'Reilly

B.F. O'Reilly

BFO/pc

A03441

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10[illegible] • [illegible] 664-[illegible]

RECEIVED
MAR 23 19[illegible]
R. L. BUJALSKI

CC: B.F. O'REILLY
R.L. BUJALSKI
W.A. SCHOLLMEYER

Please advise if you have any concerns - otherwise I will award the job for next week

ER 3/22/84

March 20, 1984

Edward R. Majke
Union Carbide Corporation
Tarrytown, NY 10591

Re: Removal and Replacement
of pipe Insulation

Dear Mr. Majke:

United Painting Company, Inc. proposes the following:

1) Remove approximately 700 Sq.ft. of pipe and tank insulation and place in 6 mil bags properly marked and labeled.

2) Air monitoring tests will be a Pre-test; Personnel test and Post-test. These tests will be read and summarized by an independent hygienist laboratory.

3) New 1½"-6lb density fiberglass insulation with an ASJ Vapor barrier on all piping and tanks.

4) Removal work to be done on the week-end. Reinsulation work of pipe and tanks will be done during regular working hours.

5) The work will be done in accordance to E.P.A. and OSHA regulations including safety equipment for men and testing.

Lump sum price for complete job is a grand sum of $9,754.00.

It is clearly understood that Union Carbide Corporation will supply the necessary disposal drums amd remove the drums containing the hazardous material to an approval land fill.

If you have any questions please feel free to contact us.

Very truly yours

United Painting Company, Inc.

Gary Nordahl

Gary Nordahl
Chief Estimator

AU3442

UC 149-2

A.14

UNION CARBIDE

INTERNAL CORRESPONDENCE

OLD SAW MILL RIVER ROAD, TARRYTOWN, NEW YORK 10591

To (Name) E. R. Majka
Division Purchasing Department
Location

Date May 8, 1984

Originating Dept. Health & Safety

Answering letter date

Copy to J. P. Brierley
J. E. Schmidt

Subject Asbestos Removal Hangar "D"
Westchester County Airport

On April 27th and 28th, I visited subject facility while United Painting Company, Inc. of Mount Vernon, New York was removing asbestos insulation.

All operations observed during my visits, removal and bagging of asbestos, were in compliance with EPA regulations.

R. L. Bujalski

R. L. Bujalski

RLB:gm

AU3443

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A-14

UNITED PAINTING COMPANY, INC.

INDUSTRIAL PROTECTIVE COATINGS

605 N MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10552 • (914) 664-3939

cc: B.F. O'Reilly
R.L. Bujalski
for your files

July 2, 1984

Ed Majka 7/3

Mr. Edward R. Majka, Purchasing Agent
Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Re: Westchester Airport Hangar "D"
Asbestos Abatement Program

Dear Sir:

We are enclosing herewith the test results of air samples taken during our work procedure removing pipe covering containing asbestos.

You will note on April 29, after completing the removal, we post tested the building resulting in safe limits far beneath the allowed limits.

We thank you for this opportunity to serve you.

Very truly yours,

UNITED PAINTING CO., INC.

A.M. Stein
President

AMS/amg
Enclosure: test results

RECEIVED
JUL 5 1984
R. L. BUJALSKI

AU3444

TESTW[illegible]LL CRAIG TESTING L[illegible]BORTORIES, INC.

☒ South Jersey Division P.O. Box 477, Mays Landing, NJ 08330 (609) 625-1700
☐ New York Division 36-20 13th Street, Long Island City, NY 11106 (212) 392-0121
☐ North Jersey Division 218 Little Falls Rd., Cedar Grove, NJ 07009 (201) 239-5796
☐ Connecticut Division 6 Lake Avenue, Danbury CT 06810 (203) 743-7281
☐ Albany Division 518 Clinton Avenue, Albany, NY 12206 (518) 436-4114

Address correspondence to the above:

TESTING ENGINEERS • STEEL • WATER • CONCRETE • CHEMICAL ANALYSIS • SOILS • TEST BORINGS • CORE DRILLING • ASPHALT • RESEARCH

June 25, 1984

CLIENT:	United Painting Company
PROJECT:	Union Carbide Corporation [illegible] Chester, Langer D
MATERIAL:	Air samples collected for laboratory analysis.
TEST REQUIRED:	Quantitation of airborne asbestos fibers according to the USPHS/NIOSH membrane filter method (phase contrast microscopy).
DATES COLLECTED:	April 27, 28 and 29, 1984
COLLECTED BY:	Client
LAB. NO.:	69354

LABORATORY TESTS

Asbestos Fiber Analysis

The airborne asbestos monitoring represented by these test results was performed prior to, during and after the removal of material by the contractor.

AU3445

Location and Identification of Samples:

Sample No. 1 - 4/27/84 - Pre Test - Work Area
Sample No. 2 - 4/27/84 - Personal Test - Work Area
Sample No. 3 - 4/28/84 - Personal Test - Work Area
Sample No. 4 - 4/28/84 - Outside Work Area - During Removal
Sample No. 5 - 4/28/84 - Work Area - During Removal
Sample No. 6 - 4/29/84 - Post Test - After Removal

Sample Dates: As Indicated Sampling Time: 120 min. Pump Rate: 2 L/min.

Method of Analysis: NIOSH/OSHA Method (Phase Contrast Microscopy)

Membrane Filter: Type: Gelman Diam./pore: 37 mm/0.8 micron

Total Filter Area Exposed: 855 sq. [illegible] Filter Area Observed: .00063 sq. [illegible]

Number of Random Fields Observed: 100 Field Size: .0033063 sq. mm

---

TEST RESULTS

Sample Number	Fibers Observed	Estimated Fiber Count	Estimated Fiber Density (F/cm3)
1	1	2,586	.01
2	24	62,064	.26
3	11	28,446	.12
4	1	2,586	.01
5	5	12,930	.03
6	1	2,586	.01

Respectfully submitted,

TESTWELL CRAIG TESTING LABORATORIES, INC.

Jane Clarke-James,
Chemist

JCJ/mit

Reported to: Client (3)

A03440

All Reports are the confidential property of clients, and information contained may not be published or reproduced, pending our written approval.

UNITED PAINTING COMPANY, INC.

INDUSTRIAL PROTECTIVE COATINGS

AIR MONITORING LOG

JOB UNION CARBIDE CORP. (WESTCHESTER AIRPORT HANGER "D"

SAMPLE NO.	DATE OF SAMPLE	LOCATION OF SAMPLE	TIME PUMP TURNED ON	TIME PUMP TURNED OFF	REMARKS
#01	4/27/84	PRE TEST INSIDE HANGER "D" AREA OF WORK	2:30 PM	4:30 PM	PRETEST <1
#02	4/27/84	INSIDE HANGER D PERSONAL TEST & AREA OF WORK	6:00 PM	8:00 PM	24
#03	4/28/84	" " " PERSONAL TEST & AREA OF WORK	9:00 AM	11:00 AM	11
#04	4/28/84	OUTSIDE WORK AREA TEST	:00 AM	:00 AM	<1
05	4/28/84	AREA OF WORK ~~PERSONAL TEST~~	11 AM	3 PM	5
06)	4/29/84	Post Test	8 AM	10 AM	Pos Test <1
				AU3447	

A. 14:

UNION CARBIDE CORPORATION

STRICTLY CONFIDENTIAL

To [Name] Mr. Gerard W. Kottman
Division Westchester County Airport
Location White Plains, NY 10604
Area

Date September 8, 1983

Originating Dept

Area

Copy to Messrs: A. Arias
R.L. Bujalski
R.F. Dwyer
J.M. Henderson
E. Majka

Subject Removing of Asbestos and Painting

Dear Jerry:

Per your request for the removing of the Asbestos and Painting of Hangar "D":

Two hot water tanks and adjacent pipes as per quotation # 1. Duall Incorporated did not specify the substitute material for the asbestos; we will request specifications before the work starts. $ 3,900.00

Remove the asbestos from the perimeter piping on the North and South walls; recover with non-asbestos material? $ 8,700.00

East and West hangar walls, remove insulation and replace with a sound shield non-asbestos material? @ $56,500 per side.

If you decide to go with Duall Inc., System, plus the painting the estimated cost is:

Duall	125,600.00
Painting and Scaffolding	30,000.00
	$ 155,600.00

A03448

If you decide to go with sheetrock like the Hangar next door:

Sheetrock and two (2) coats of tape on the East Wall.	$ 45,600.00
Scaffold for seven (7) weeks	13,620.00
Painting	25,000.00
	$ 84,220.00

Sincerely,

B.F. O'Reilly

B.F. O'Reilly
Manager -
Building Services

BFO/pc
att:

A03449

IBM A.14.

International Business Machines Corporation

Thomas J. Watson Research Center
P.O. Box 218
Yorktown Heights, New York 10598
914/945-3000

January 16, 1984

Mr. Frank Gallo
Union Carbide Corporation
Old Saw Mill River Road @ 100C
Tarrytown, NY 10591

Dear Frank:

Please find attached a copy of the test results obtained from a sample of the piping insulation located in the basement service core of our Eastview building.

As we have previously discussed, the removal of this material will be handled through the services of an independent firm which will be obtained by your organization. I suggest that this matter be expedited and a meeting scheduled after you have selected a contractor, so all parties may be informed of the removal procedures which will be followed.

Thank you for your cooperation in this matter.

Very truly yours,

Frank G. Evon

Frank G. Evon

FGE:cr

Attachment

AU3450

Clayton Environmental Consultants, Inc.

Results of Analyses

for

IBM Corporation

DOWNSTAIRS CORE

CEC Job No. 8799-47

Lab Number	IBM Number	Fibrous Material Present	% Volume (by PLM)	% Weight (by XRD)
17330	1	Amosite asbestos	30 to 40	9
		Chrysotile asbestos	5 to 10	1
17331	2	Mineral wool	NA	NA

PLM = Polarized light microscopy

XRD = X-Ray diffraction

A03451

A. 14 R

January 30, 1984

Mr. Robert Ricciardi
Purchasing Department
Union Carbide Corporation
Old Saw Mill River Road
Tarrytown, New York 10591

Dear Mr. Ricciardi:

We are pleased to confirm our telephone quotation for removal of asbestos insulation from pipe as inspected at the building occupied by IBM Research.

Location: IBM Research
Eastview, New York

Objective:
1. Removal of asbestos insulation from dead lines in adjacent corridors leading to Mechanical Room.
2. Leave the work area free of asbestos within acceptable fiber count levels.

In order to meet the above objective, the system employed by Duall Inc. includes the following:

1. Negative Air Pressure - (Where Applicable) Essential to prevent fiber contamination to other parts of the building during the removal process.
2. Decontamination procedures of all equipment, personnel and waste disposal to accomplish same.
3. Safety Personnel to enforce safety regulations and procedures.

- continued -

A03452

Union Mill Road, R.D. 1, Mount Laurel, New Jersey 08054 • (609) 235-1073

The testing procedures and methods utilized are critical to accomplish the overall objective and meet Federal and State Regulations.

1. Pre-tests are required to ascertain the current fiber count levels before the removal process begins.

2. Testing during removal is necessary in order to prevent contamination of any other areas. Therefore, we utilize GCA Fibrous Aerosol Monitors that are capable of reporting instantaneously if contamination is ocurring. This information enables us to react before it is too late. Conventional testing methods and laboratory turnaround time would merely document that the building is contaminated after the fact.

3. Final Testing - To determine that the purpose has been met.

Keeping in mind that testing is our only means of knowing we have accomplished the objective, we must be as precise as possible in collecting and analyzing. While government regulations must be met, they are not always compatible with the above purpose. Therefore,

1. Collecting - Safety Personnel collect the samples for laboratory testing in an objective manner.

2. Analysis - Phase Contrast Microscopy will not withstand a litigation test due to the limitation of the instrument employed. Therefore, we utilize Scanning Electron Microscopy for pre-test and final test.

Prior to Removal:

1. Proper notification is sent to governmental agencies informing them of the project as required by regulations.

2. Caution signs will be posted.

- continued -

AU3453

Union Carbide trial exhibit UC-450: Asbestos Pipe Insulation Removal at the Tarrytown IBM Building and Westche... Published by AsbestosClaims.Law
ACL Doc 15697 · Page 14 of 40 asbestosclaims.law/library/15697/14

3. Provision of approved respirators and protective clothing to all workers, and, to all official representatives of the Owner, State or other governmental entity, and the Architect/Engineer who may inspect the site.

   a. Protective clothing consists of disposable full body coveralls, headcovers, boots and gloves as required by OSHA regulations.

4. All debris and associated asbestos waste will be packed in double 6 mil plastic bags, appropriately labelled. Bags will be packed into fiber drums (furnished by Contractor), sealed-tight and labeled. Contractor will transport these drums to a designated area on the Union Carbide complex.

   A waste manifest will be completed by Duall Inc. for drums so delivered.

During Removal:

1. Portable three stage decontamination chambers with showers will be utilized, (shower trailers when applicable).

2. Use of amended water and spray pumps for wetting of asbestos material.

3. Use of HEPA filtration systems to "scrub clean" the air in each work area thus maintaining a negative pressure while lowering the fiber concentration.

4. All persons entering the work areas shall wear an approved respirator and protective clothing. There shall be no exceptions.

- continued -

AU3454

Union Carbide trial exhibit UC-450: Asbestos Pipe Insulation Removal at the Tarrytown IBM Building and Westche... Published by AsbestosClaims.Law
ACL Doc 15697 · Page 15 of 40 asbestosclaims.law/library/15697/15

When the removal is completed, the following documentation is submitted:

1. That the removal process was completed and the intent met.
2. Pre-test results.
3. GCA testing results during removal.
4. Final test results.
5. Waste Disposal manifest.
6. Copy of all notifications.

Price for the above work (to be done on weekend):

$8,700.00

Duall Inc. carries one million dollar blanket liability insurance coverage and five million dollar umbrella policy including Completed Operations Insurance for asbestos removal as well as Comprehensive General Liability, Workmen's Compensation, Automobile Insurance, and excess Liability Coverage.

We look forward to the opportunity to serve you.

Very truly yours,

DUALL INCORPORATED

Raymond S. Beck

RAYMOND S. BECK

RSB/kd
cc: Mr. Frank Gallo

AU3451

Union Carbide trial exhibit UC-450: Asbestos Pipe Insulation Removal at the Tarrytown IBM Building and Westche... Published by AsbestosClaims.Law
ACL Doc 15697 · Page 16 of 40 asbestosclaims.law/library/15697/16

RECEIVED

APR 17 1984

R. L. BUJALSKI

UNITED PAINTING COMPANY, INC.

INDUSTRIAL PROTECTIVE COATINGS

605 N MACQUESTEN PARKWAY · MOUNT VERNON, NEW YORK 10552 · (914) 664-3939

cc: B.F. O'Reilly
R.L. Bujalski

4/17

April 4, 1984

Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Attn: Mr. E.R. Majka

Gentlemen:

Attached please find copies of our written notice of intention to remove asbestos from Hanger "D" at the Westchester Airport, notifying all the necessary agencies.

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING CO., INC.

A.M. Stein
President

AMS/tr
Attachments

A03456

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10552 • (914) 664-7939

April 4, 1984

Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y.10591

Gentlemen:

This is our written notice of intention to remove asbestos from two (2) Tanks, adjacent piping and perimeter piping at Owner's Premises located at Westchester Airport, Hanger "D"
In compliance with EPA regulations the following are the answers you require for asbestos removal projects.

Owner: Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Contractor: United Painting Company, Inc.
605 North MacQuesten Parkway
Mt. Vernon, N.Y. 10552

Address of Building: Westchester Airport

Description of Bldg.: Hanger at Airport
Approximately 250' x 135'
Approximately 25 Years Old

A03457

Starting Date: April 27, 1984 (Approximately)

Completion Date: May 15, 1984

Procedures Employed: Our procedure will be to comply in accordance with EPA and State regulations concerning the removal of asbestos.

Waste Disposal Site: Approved Disposal Site will be taken care of by Owner.

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING COMPANY, INC.

Robert Coppola
Vice President

RC/ip

A03458

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10552 • (914) 664-3939

April 4, 1984

Environmental Portection Agency
Region 11, Asbestos Coordinator, Room 802
26 Federal Plaza
New York, N.Y. 10007

Gentlemen:

This is our written notice of intention to remove asbestos from two (2) Tanks, adjacent piping and perimeter piping at Owner's Premises located at Westchester Airport, Hanger "D"
In compliance with EPA regulations the following are the answers you require for asbestos removal projects.

Owner: Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Contractor: United Painting Company, Inc.
605 North MacQuesten Parkway
Mt. Vernon, N.Y. 10552

Address of Building: Westchester Airport

Description of Bldg.: Hanger at Airport
Approximately 250' x 135'
Approximately 25 Years Old

Starting Date: April 27, 1984 (Approximately)

Completion Date: May 15, 1984

Procedures Employed: Our procedure will be to comply in accordance with EPA and State regulations concerning the removal of asbestos. AU3459

Waste Disposal Site: Approved Disposal Site will be taken care of by Owner.

Published by AsbestosClaims.Law
asbestosclaims.law/library/15697/20

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING COMPANY, INC.

Robert Coppola
Vice President

RC/ip

AU3460

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY • MOUNT VERNON, NEW YORK 10552 • (914) 664-7999

April 4, 1984

Occupational Safety & Health Administration
New York Regional Office
1515 Broadway
New York, N.Y. 10036

Gentlemen:

This is our written notice of intention to remove asbestos from two (2) Tanks, adjacent piping and perimeter piping at Owner's Premises located at Westchester Airport, Hanger "D"
In compliance with EPA regulations the following are the answers you require for asbestos removal projects.

Owner: Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Contractor: United Painting Company, Inc.
605 North MacQuesten Parkway
Mt. Vernon, N.Y. 10552

Address of Building: Westchester Airport

Description of Bldg.: Hanger at Airport
Approximately 250' x 135'
Approximately 25 Years Old

Starting Date: April 27, 1984 (Approximately)

Completion Date: May 15, 1984

A03461

Procedures Employed: Our procedure will be to comply in accordance with EPA and State regulations concerning the removal of asbestos.

Waste Disposal Site: Approved Disposal Site will be taken care of by Owner.

Published by AsbestosClaims.Law
asbestosclaims.law/library/15697/22

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING COMPANY, INC.

Robert Coppola
Vice President

RC/ip

AU3462

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY · MOUNT VERNON, NEW YORK 10552 · (914) 664-2939

April 4, 1984

NESHAP Coordinator
USEPA Region II
Federal Office Building
Federal Plaza - Room 1015
New York, N.Y. 10007

Gentlemen:

This is our written notice of intention to remove asbestos from two (2) Tanks, adjacent piping and perimeter piping at Owner's Premises located at Westchester Airport, Hanger "D"
In compliance with EPA regulations the following are the answers you require for asbestos removal projects.

Owner: Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Contractor: United Painting Company, Inc.
605 North MacQuesten Parkway
Mt. Vernon, N.Y. 10552

Address of Building: Westchester Airport

Description of Bldg.: Hanger at Airport
Approximately 250' x 135'
Approximately 25 Years Old

A03463

Starting Date: April 27, 1984 (Approximately)

Completion Date: May 15, 1984

Procedures Employed: Our procedure will be to comply in accordance with EPA and State regulations concerning the removal of asbestos.

Waste Disposal Site: Approved Disposal Site will be taken care of by Owner.

Published by AsbestosClaims.Law
asbestosclaims.law/library/15697/24

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING COMPANY, INC.

Robert Coppola
Vice President

RC/ip

A03464

UNITED PAINTING COMPANY, INC.
INDUSTRIAL PROTECTIVE COATINGS
605 N. MACQUESTEN PARKWAY · MOUNT VERNON, NEW YORK 10552 · (914) 664-3939

April 4, 1984

NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, N.Y. 12233

Attn: Division of Air Resources

Gentlemen:

This is our written notice of intention to remove asbestos from two (2) Tanks, adjacent piping and perimeter piping at Owner's Premises located at Westchester Airport, Hanger "D"
In compliance with EPA regulations the following are the answers you require for asbestos removal projects.

Owner: Union Carbide Corporation
Tarrytown Technical Center
P.O. Box 65
Tarrytown, N.Y. 10591

Contractor: United Painting Company, Inc.
605 North MacQuesten Parkway
Mt. Vernon, N.Y. 10552

Address of Building: Westchester Airport

Description of Bldg.: Hanger at Airport
Approximately 250' x 135'
Approximately 25 Years Old

403465

Starting Date: April 27, 1984 (Approximately)

Completion Date: May 15, 1984

Procedures Employed: Our procedure will be to comply in accordance with EPA and State regulations concerning the removal of asbestos.

Waste Disposal Site: Approved Disposal Site will be taken care of by Owner.

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asbestosclaims.law/library/15697/26

We hope all questions have been answered to your satisfaction and will furnish any further information upon request.

Very truly yours,

UNITED PAINTING COMPANY, INC.

Robert Coppola
Vice President

RC/ip

403466

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asbestosclaims.law/library/15697/27

A. 14.

duall INCORPORATED

cc: B.F. O'Reilly
R.L. Bujalski ✓
What time is from there?
EK
9/2

August 29, 1983

Union Carbide Corporation
Tarrytown, New York 10591
ATTN: Mr. Edward Majka

Objective: 1. Asbestos Abatement

Quotation #1: - Two (2) hot water tanks and adjacent pipe. Remove asbestos insulation and replace with equivalent non asbestos material.

Quotation #2: - Perimeter piping - Remove asbestos insulation and recover with non asbestos material.

Quotation #3: - Front and back hangar walls - Remove insulation and replace with a sound shield non asbestos insulating material.

2. Leave the work area free of asbestos within acceptable fiber count levels.

Dear Mr. Majka:

In order to meet the above objective, the system employed by Duall Inc. includes the following:

1. Negative Air Pressure - Essential to prevent fiber contamination to other areas during the removal process.

2. Decontamination procedures of all equipment, personnel and waste disposal to accomplish same. 403467

3. Safety Personnel to enforce safety regulations and procedures.

- continued -

Union Mill Road, R.D. 1, Mount Laurel, New Jersey 08054 • (609) 235-1073

The testing procedures and methods utilized are critical to accomplish the overall objective and meet Federal and State Regulations.

1. Pre-tests are required to ascertain the current fiber count levels before the removal process begins.

2. Testing during removal is necessary in order to prevent contamination of any other areas. Therefore, we utilize GCA Fibrous Aerosol Monitors that are capable of reporting instantaneously if contamination is ocurring. This information enables us to react before it is too late. Conventional testing methods and laboratory turnaround time would merely document that the building is contaminated after the fact.

3. Final Testing - To determine that the purpose has been met.

Keeping in mind that testing is our only means of knowing we have accomplished the objective, we must be as precise as possible in collecting and analyzing. While government regulations must be met, they are not always compatible with the above purpose. Therefore,

1. Collecting - Safety Personnel collect the samples for laboratory testing in an objective manner.

2. Analysis - Phase Contrast Microscopy will not withstand a litigation test due to the limitation of the instrument employed. Therefore, we utilize Analytical Scanning Electron Microscopy.

Prior to Removal:

1. Proper notification is sent to governmental agencies informing them of the project as required by regulations.

2. Caution signs will be posted.

- continued -

A03468

Union Carbide trial exhibit UC-450: Asbestos Pipe Insulation Removal at the Tarrytown IBM Building and Westche... Published by AsbestosClaims.Law
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3. Provision of approved respirators and protective clothing to all workers, and, to all official representatives of the Owner, State or other governmental entity, and the Architect/Engineer who may inspect the site.

    a. Protective clothing consists of disposable full body coveralls, headcovers, boots and gloves as required by OSHA regulations.

4. A waste manifest will be used and the special waste hauler will be:

    Duall Incorporated
    Union Mill Road, RD #1
    Mt. Laurel, New Jersey 08054

    N.J. #S5809-AB
    EPA #NJT000014712

During Removal:

1. Portable three stage decontamination chambers with showers will be utilized, (shower trailers when applicable).

2. Use of amended water and spray pumps for wetting of asbestos material.

3. Use of HEPA filtration systems to "scrub clean" the air in each work area thus maintaining a negative pressure while lowering the fiber concentration.

4. All persons entering the work areas shall wear an approved respirator and protective clothing. There shall be no exceptions.

- continued -

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When the removal is completed, the following documentation is submitted:

1. That the removal process was completed and the intent met.
2. Pre-test results.
3. GCA testing results during removal.
4. Lab test results.
5. Final test results.
6. Waste Disposal manifest.
7. Copy of all notifications.

Price for Quotation #1:	$3,900.00
Price for Quotation #2:	$8,700.00
Price for Quotation #3:	$113,000.00
	($56,500 front end)
	($56,500 back end)

NOTE: If job can be combined, a reduced total price can be negotiated.

Duall Inc. carries one million dollar blanket liability insurance coverage and five million dollar umbrella policy including Completed Operations Insurance for asbestos removal as well as Comprehensive General Liability, Workmen's Compensation, Automobile Insurance, and excess Liability Coverage.

We look forward to the opportunity to serve you.

Very truly yours,

DUALL INCORPORATED

George Loper

GEORGE LOPER

GL/kd
enclosures

A03470

Union Mill Road, R.D. 1, Mount Laurel, New Jersey 08054 • (609) 235-1073

August 29, 1983

Union Carbide Corporation
Tarrytown, New York 10591
ATTN: Mr. Edward Majka

Dear Mr. Majka:

Duall's method for handling asbestos has recently been singled out by the National Institute for Occupational Safety and Health as "a remarkably well controlled high hazard process," which warrants further study as a national model for the industry.[1]

In the interest of public safety and job quality, we feel it is imperative that the following items be taken into consideration when bid prices are compared. These are standard operating procedures utilized during Duall asbestos removal operations and include:

1. An industrial hygienist on staff to oversee all aspects of the project-in-progress.
2. GCA brand instantaneous aerosol fiber monitors, which provide constant indications of airborne asbestos fiber levels in the work zone and immediately warn if fiber levels exceed respirator safety thresholds or pose a potential for beyond-the-work-area contamination.
3. Scanning Electron Microscope testing methods, which are used to provide state-of-the-art, comprehensive analysis of air samples. In March of 1983, the EPA issued a new warning that the optical microscope methods previously endorsed by the federal government can be "highly misleading."[2] We feel that the use of such outdated testing methods leaves us in a potentially undefendable legal position. Prudence dictates the use of the superior electron instrument for compiling the documentation which may be needed for future litigations.
4. Micro-Trap negative air systems which employ high-tech filtration for cleansing the air of the thinnest and most dangerous asbestos fibers. The efficiency of these filtrations systems is rated at 99.99% for asbestos fibers to .3 microns.

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5. Extra insurance coverage beyond that routinely found on such projects, including Comprehensive General Liability and Excess Limits Liability Coverage specifically written for asbestos removal. Also included is Completed Operations Insurance specifically written for asbestos removal. Completed Operations protects against damages which may arise after the job is completed and normal insurance coverage has ended.

Duall Incorporated exceeds all existing standards for asbestos safety. We feel this is justified in light of the history of asbestos-related disease and recent documentation indicating that federal government standards are ineffective [3]. Our work procedures and equipment are designed to meet the intention of rendering asbestos contaminated areas clean and safe for human use.

However, we recognize the competitive nature of our industry and are constantly seeking ways to cut costs without compromising essential health concerns. We would be more than willing to discuss the technical complexities of our methods with you or members of your engineering staff. There are various ways to save money in such an undertaking. For instance, if you currently have a hygienist on staff he may be utilized on this project.

Sincerely,

Anthony Natale

Anthony Natale
President

1. Report Number 145.14a, May, 1983, Division of Physical Sciences and Engineering, Engineering Control Technology Branch, NIOSH, Cincinnati, Ohio.

2. Report Number 560/5-83-002, March, 1983, Office of Toxic Substances, EPA, Washington, D.C.

3. New York Times, April 9, 1983, page 10, col. 6.

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A.14

UNION CARBIDE

UNION CARBIDE CORPORATION

UNION CARBIDE BUSINESS CONFIDENTIAL

OLD SAW MILL RIVER ROAD, TARRYTOWN, NY 10591

February 15, 1984

IBM Research Division
Thomas J. Watson Research Center
P.O. Box 218
Yorktown Heights, New York 10598

Attention: Mr. J. Clark

Dear Joe:

In regard to the asbestos pipe insulation in the basement service corridor, the following work is planned:

1. Work will be performed on Saturday and Sunday, February 18th and February 19, 1984.
2. Union Carbide will damp cloth the floor area and horizontal surfaces before work is started.
3. All loose hanging asbestos will be removed.
4. All damaged insulation will be repaired.
5. All insulation surfaces will be coated with acrylic mastic.
6. All floor and horizontal surfaces will be vacuumed and mopped after work is completed.

Union Carbide will immediately award the contract for the above work to N. FABIAN COMPANY. As we agreed, since this contract will not be bid, cost in excess of $2,000. will be paid for by IBM Corporation.

If you have any questions, please do not hesitate to call.

Sincerely,

Francis M. Gallo

FG/pc
cc: Mr. F. Evon
bcc: J.M. Henderson
R. Bujalski

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IBM A-14

International Business Machines Corporation

Thomas J. Watson Research Center
P.O. Box 218
Yorktown Heights, New York 10598
914/945-3000

February 12, 1984

Mr. Frank Gallo
Manager, Engineering and Utilities Services
Union Carbide Corporation
Saw Mill River Rd.
Tarrytown, NY 10591

Dear Frank:

Recently, Robert Bujalsky of your Industrial Hygiene and Safety Department asked for clarification on IBM's position regarding the asbestos-containing insulation running through the basement service core to the MER room at the Eastview site. It has been agreed that complete removal of the pipe insulation is not necessary or desirable. Removal of all loose insulation and application of a sealant to the remainder of the sound insulation is preferred.

It was agreed that after removal and sealing, the work area will be cleaned and vacuumed. This would include cleaning of those items belonging to IBM which have been stored in this area, along with horizontal surfaces which have collected dust.

The insulation removal procedure should conform to the following guidelines. Please note that these guidelines are only intended to ensure the health of IBM employees rather than to address OSHA compliance requirements. The latter responsibility lies with Union Carbide.

1. Work should be started and completed over a weekend.

2. The work area should be curtained off. After removal, curtains should be placed into a closed container and removed from the building. These drums should be labeled as 'asbestos containing waste' unless immediately removed from the Eastview Site (same day removal). In the event of same day removal, labeling would be as determined appropriate by Union Carbide.

3. The floor should be covered in the insulation removal area with visqueen or other tear-resistant material. Any wall openings should also be covered. Floor covering and wall covering materials should be placed into a closed container and labeled as described in step 2.

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4. Insulation once removed should be immediately placed into a plastic bag, then into a closed container within the curtained area.

5. This container should be labeled as described in step 2.

6. At completion of the job, the work area should be vacuumed with a cleaner containing a high efficiency filter(99.99% for 0.3 micron or smaller). If it is necessary to remove the vacuum contents at the Eastview site, this should be conducted outdoors with subsequent placement of the residue into a closed container as described in step 2.

7. Supply air to the core area should be shut down during work.

8. IBM should be assured that less than threshold limit value levels for asbestos exist prior to occupancy on the following Monday.

9. Responsibility for compliance with OSHA requirements during this project belongs with Union Carbide.

We are anxious to have this work completed. Would you please review these requirements with Bob Bujalsky and contact Frank Evon with notification of a starting date.

If you or Bob have any questions, please give me a call.

Sincerely,

Chris Nohrden

for Kenneth Kretchman

cc. J. Clarke
J.C. Nohrden
G.E. Schulze

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A.14.

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION OLD RIDGEBURY ROAD, DANBURY, CT 06817

To (Name) A. J. Wiltjer
Division
Location Danbury, CT
Area D4243

Date December 16, 1983
Originating Dept. HS&EA
Area P2

Copy to R. L. Bujalski
R. W. Cope
R. F. Dwyer
O. P. Mukheja

Subject

BUSINESS CONFIDENTIAL

On December 6, 1983, Mr. R. L. Bujalski and I visited the aircraft hanger leased by UCC at Westchester Airport. The purpose of the visit was to (1) inspect insulation or construction material containing asbestos and, (2) if necessary, recommend appropriate control measures to ensure that no asbestos fibers are released into the workplace. The materials containing asbestos were: the insulation material sprayed on the upper section of the metal siding at each end of the hanger, the insulation material covering the hot water pipes and boilers, and the transite wallboard.

Based on observations made during the visit, the following recommendations were proposed:

(1) The insulation material covering the hot water pipes and boilers should be removed and replaced with a non-asbestos insulation material.

(2) The exposed surface of the transite wallboard should be coated with a suitable industrial grade sealant. Particular attention should be made to the wallboard edges, nail holes and any damaged surfaces when applying the coating.

(3) A non-asbestos wallboard should be attached over the existing insulation that is sprayed on the upper section of the metal siding at both ends of the hanger. This would eliminate the need to remove the existing material and effectively prevent release of asbestos fibers into the workplace environment.

In addition, contractors involved with the above control methods should be informed that these materials contain asbestos and that they will be responsible for proper workpractice procedures, personal protective

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equipment, and disposal of asbestos waste. I also suggest that all contractors and affected UCC management personnel consult with Mr. R. L. Bujalski (Tarrytown) before work is started to ensure compliance with applicable UCC, state and federal requirements. A copy of the Corporate Contractor On-Site policy is attached.*

If you have any questions or if I can be of further assistance, please call me (extension 5273).

L. W. Youngblood /ds

LWY:ds
Attachment

* Union Carbide Corporate Occupational Health Manual

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UNION CARBIDE CORPORATE OCCUPATIONAL HEALTH MANUAL

SUBJECT	SECTION	POLICIES/PROCEDURES
CONTRACTOR ON-SITE	DATE 10/2/80	PAGE 1 OF 2
	APPLIES TO ☒ UNITED STATES ☒ INTERNATIONAL	

PURPOSE/BACKGROUND

In the conduct of the Corporation's normal business it is routine to have contractor's employees working at Union Carbide facilities. It is imperative that contractor's employees follow the site rules to assure business is not interrupted, they or others are not injured, and Union Carbide is in compliance with laws and regulations.

POLICY

Liaison with contractors is handled by a Union Carbide employee designated as the Union Carbide contract administrator.

The Union Carbide contract administrator is to:

- Provide applicable Health, Safety, Environmental and Other Site rules to the contractor in writing.
- Obtain agreement that contractor will abide by said rules.
- Audit and document that contractor's performance is in compliance with said rules.

SCOPE

This policy applies to all parts of UCC and to all affiliates worldwide in which UCC has greater than 50 percent equity interest, and is recommended for application in affiliates of 50 percent or less equity interest.

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SUBJECT	SECTION POLICIES/PROCEDURES	
CONTRACTOR ON-SITE	DATE 10/2/80	PAGE 2 OF 2
	APPLIES TO ☒ UNITED STATES ☒ INTERNATIONAL	

PRACTICE

To assure appropriate independent contractor relationships, no special rules shall be made for contractors; rather, Union Carbide rules will be referenced. In the process of auditing the contractor's performance the contract administrator or his agent must not assume responsibilities for direction or instruction to the contractor's employees, but must work with the contractor management.

REFERENCES

Advice and Service: Corporate Occupational Health Director
270 Park Avenue
New York, New York 10017

- End -

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