Empire State Development Corporation

at

Midtown Plaza Asbestos Abatement
Midtown Tower
17th Floor
Rochester, New York

Prepared For:
Empire State Development Corporation
400 Andrews Street
Rochester, New York 14606

August 26, 2009 - November 5, 2010

REPORT PREPARED BY
Paradigm Environmental Services, Inc.
179 Lake Avenue, Rochester, New York 14608

Notifications & Quantities
Cover Summary

PARADIGM
ENVIRONMENTAL SERVICES, INC.

WWW.PARADIGMENV.COM
179 Lake Avenue, Rochester, NY 14608 PHONE: 585-647-2530 TOLL FREE: 800-724-1997 FAX: 585-647-3311

June 7, 2010

Mr. Mark Smith
Empire State Development Corp
400 Andrews Street
Rochester, NY 14604

Re: Midtown Plaza Asbestos Abatement

Dear Mr. Smith:

This cover letter serves as a formal introduction to the Project and Air Monitoring records for the Midtown Tower, 17th Floor work area at the above referenced project site. All detailed records are attached, grouped and tabulated by major record type. These include: *survey and confirmed removal quantities, applicable variances, daily air logs, daily air sampling reports, miscellaneous bulk sample reports, daily project monitoring logs, maps of sampling locations, and field and lab certifications.* Abatement contractor certifications and signed off work plans are incorporated by reference only. These documents are found in the *containment logs, maintained by LIRO Engineers,* for the dates referenced below.

The project air background samples were taken on August 26, 2009. The project continued until completion of abatement as confirmed by satisfactory air samples and Final Visual Inspection on November 5, 2010.

Asbestos removal quantities and material types were monitored during abatement for comparison to the original survey information. A table showing verified quantities and types versus original is provided below.

17th Floor Material Type Quantities	Total 17th Floor Original Survey Quantities	Specified Tent Only Verified Removal
Tent 1 Fittings on Fiberglass Pipe Insulation	90 Fittings	2 Fittings
Tent 2 Fittings on Fiberglass Pipe Insulation	90 Fittings	3 Fittings

Tent 3		
Fittings on Fiberglass Pipe Insulation	90 Fittings	14 Fittings
Tent 4		
Floor Tile/Mastic	0 Square Feet	120 Square Feet
Tent 5		
Mirror Mastic	600 Square Feet	130 Square Feet

Fire Doors and Window Materials are still in place.

If you have any questions regarding this letter, or the attached documents, please let me know.

Sincerely,

Bruce Hoogesteger
Paradigm Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 2
Division of Enforcement & Compliance Assistance - Air Compliance Branch (DECA-ACB)
290 Broadway - 21st Floor
New York, NY 10007-1866

NOTIFICATION OF DEMOLITION AND RENOVATION

Operator Project #	Postmark	Date Received	Notification

I. TYPE OF NOTIFICATION (O = Original / R = Revised) R

II. FACILITY INFORMATION (Identify owner, removal contractor, and other operator)

OWNER:
Upstate Empire State Development Corporation
Address
400 Andrews Street
City: Rochester | State: NY | ZIP: 14604
Contact: Robert Kreuzer | Tel: (716) 882-5476

REMOVAL CONTRACTOR:
Cambria Contracting, Inc.
Address:
5105 Lockport Road
City: Lockport | State: New York | ZIP: 14094
Contact: William Eichhorn | Tel: (716) 625-6690

OTHER OPERATOR: None
Address:
City: | State: | ZIP:
Contact: | Tel:

III. TYPE OF OPERATION (D = Demolition / R = Renovation) : R

IV. IS ASBESTOS PRESENT? (Yes/No): Yes

V. FACILITY DESCRIPTION (include building name, number and floor or room number):

Building Name:
The Midtown Tower and Mall
Address:
140 Clinton Square - Midtown Plaza
Address:
City: Rochester | State: New York | County: Monroe
Site Location:
Mall Floors 1 & 2; Tower Floors 3 thriugh 18
Building Size: 538,000 | SqMeter: | SqFt: X | # of Floors: 18 | Age in Years: 48
Present Use: Vacant | Prior Use: Commercial Mall & Office Building

VI. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:
TEM (Transmission Electron Microscopy)
PLM (Polarized Light Microscopy)

VII. APPROXIMATE OF RACM TO BE REMOVED AND NON-FRIABLE ASBESTOS MATERIAL THAT WILL NOT BE REMOVED.
SPECIFY THE AMOUNT OF ASBESTOS BELOW:

	RACM to be Removed	Non-friable Asbestos Material not to be removed Category I	Category II
Pipes - Linear Feet	9946		
Pipes - Linear Meters			
Surface Area - Square Feet	1,393,090		
Surface Area - Square Meters			
Volume RACM off Facility Component - Cubic Feet			
Volume RACM off Facility Component - Cubic Meters			

VIII. SCHEDULED DATES OF ASBESTOS REMOVAL: (MM/DD/YY) Start: 9/04/2009 Completion: 9/04/2010

IX. SCHEDULED DATES OF DEMOLITION/RENOVATION: (MM/DD/YY) Start: Completion:

NOTIFICATION OF DEMOLITION AND RENOVATION (continued)

X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED:
Demolishing with excavator, wet methods, no visible emissions

XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE:

XII. WASTE TRANSPORTER #1

Name:
Reccelli Trucking, Inc

Address:
P.O. Box 6401

City:	State:	ZIP:
Syracuse	**New York**	**13217**

Contact Person:	Telephone:
Lucille Nicholson	**(315) 433-5115**

WASTE TRANSPORTER #2

Name
Cambria Contracting, Inc

Address:
5105 Lockport Rd

City:	State:	ZIP:
Lockport	**New York**	**14094**

Contact Person:	Telephone:
William Eichhorn	**(716) 625-6690**

XIII. WASTE DISPOSAL SITE

Name:
High Acres Landfill

Address:
425 Perinton Parkway

City:	State:	ZIP:
Fairport	**NY**	**14450**

Telephone:
(585) 223-6132

XIV. IF DEMOLITION IS ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW

Name:	Title:

Authority:

Date if Order (MM/DD/YY):	Date Ordered to Begin (MM/DD/YY) :

XV. FOR EMERGENCY RENOVATIONS

Date and Hour of Emergency (MM/DD/YY):

Description of the Sudden, Unexpected Event:

Explanation of How the Event caused Unsafe Conditions or Serious Disruption of Industrial Operation:

XVI. DESCRIPTION OF PROCEDURE TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER:
Stop work, abatement following ICR 56 and OSHA

XVII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THE REGULATION (40CFR PART 61 SUBPART M) WILL BE ON-SITE DURING THE DEMOLITION OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS. (Required 1 year after promulgation) .

_____ _____
Signature of Owner/Operator Date

XVIII. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

_____ _____
Signature of Owner/Operator Date

NOTICE DATE: 8/24/2009

NOTICE OF ASBESTOS ABATEMENT

PROJECT LOCATION:	Midtown Plaza Complex 140 Clinton Square Rochester, New York **MIDTOWN TOWER FLOORS 3 - 18**	
CONTRACTOR:	CAMBRIA CONTRACTING, INC. 5105 LOCKPORT ROAD LOCKPORT, NY 14094 AH# 99-0468	
MATERIAL:	514,100 sf	Spray-on /troweled Fireproofing
	216,300	Ceiling systems
	1,415 fittings	Fiberglass pipe insulation
	2,100 sf	Pipe Insulation
	197,900 sf	Floor Tile/mastic
	8,400 sf	Mirror Mastic
	170 sf	Chiller Insulation
	11,550 sf	Waterproof Membranes
	1400 sf	Acoustical Plaster
	135 sf	Caulk
	5,200 sf	Roofing
	11,000lf	Roof Flashing
	5,960 sf	Aluminum Panels with Caulk
	77 Doors	Fire Doors
	15 ea	Elevator Components
	1,417	Windows
PROJECT MONITOR:	ENVOY ENVIRONMENTAL CONSULTANTS 57 Ambrose Street Rochester, NY Asb.Lic.# 28454 Lab: Paradigm Environmental Services ELAP No. NY10958	
STATING DATE:	9/4/2009	
PROJECTED FINISH:	9/4/2010	

Asbestos Project Notification

Project Reference Number:	25738034	Type:	Initial Notification
Status:	Notification Received	Notification Received:	8/24/2009
Payment Status:	PAID	Number of amendments:	0
Notification Entered By:	Cambria Contracting, Inc.		

Contractor Information

FEIN:161542768

Cambria Contracting, Inc.

5105 Lockport Road

Lockport NY 14094

Asbestos License Number: 29410

Mailing Address

Duly Authorized Representative

Keith Trosterud, Manager

Phone Number: 716-625-6690

E-mail Address: keith@cambriacontracting.com

Project Information

Project Start Date:	9/4/2009
Project End Date:	9/4/2010
Project Location County:	Monroe

Project Location

Building Name:	Midtown Tower
Room or Location:	Floors 3through 18
Bridge ID#:	
Address Line 1:	140 Clinton Square
Address Line 2:	
City Town or Village:	Rochester
State:	New York
Zip Code:	

Building Information

Current Use:	Vacant
Prior Use:	Commercial
Approximate Year Built:	1962
Size(sq.ft):	262000
Is this fee exempt project?:	NO
Reason:	

Building Representative/Site Contact

Name: Robert Kreuzer
Phone Number: (716) 882-5476
E-mail Address: kreuzer@liro.com
Cell Phone Number:

Phase Details

Phase #	Phase Start Date	Phase End Date	Phase Location	Phase Scope

Sub-Contractor Details

Name:	Asbestos License Number:

Night/Weekend/Shift Work Details

Party for Whom Work is being Performed

First Name:		Last Name:	
Organization:	Upstate Empire State Development Corporation		
Apt./Suite:		Address Line 1:	400 Andrews Street
Address Line 2:		City Town or Village:	Rochester
Province:		State:	NY
Zip Code:	14604	Country:	United States
Contract Dollar Amount:	$34,000,000.00		

Variance Information

Procedures and Type of Equipment and Ventilation Systems Used

Negative Air Filtration Units 2000CFM, Aerospace America H2000A Hepa Vacuum, Pullman Holt 102AS Respirators 1/2 Face Negative, Wilson Chapin MXPF750 Water Pumps, Teel IPS579E Personal Air Pumps, BGI Inc ABC Manometer, Omnigard BS2000 Shower, Abatement Tech S5000T

Air Monitoring Firm

Name:	Asbestos License Number:
Envoy Environmental Consultants, Inc.	28454

Laboratory Performing Analysis

Name:	ELAP Registration Number:
Paradigm Environmental Services, Inc	10958

Type of Asbestos Work

Pipe Related:	Yes	Siding:	No
Clean up:	No	Vessel covering:	Yes
Caulking/mastic:	Yes	Spray-on insulation:	Yes
Roofing/flashing:	Yes	VAT:	Yes
Demolition:	No	Demolition Ref#:	
Other-specify:			

Waste Transporter

Name:	Riccelli Trucking, Inc
NYS DEC or EPA Permit Number:	7A-434
Phone Number:	(315) 433-5115
Apt./Suite:	
Address Line 1:	P.O. Box 6401
Address Line 2:	
City Town or Village:	Syracuse
Province:	
State:	NY
Zip Code:	13217
Country:	United States

Landfill

Name:	High Acres Landfill
Phone Number:	(585) 223-6132
Apt./Suite:	
Address Line 1:	425 Perinton Parkway
Address Line 2:	
City Town or Village:	Fairport
Province:	
State:	NY
Zip Code:	14450
Country:	United States

Type and Amount of Asbestos Containing Material

Friable linear feet:	12415	Friable square feet:	517770
Non-friable linear feet:	0	Non-friable square feet:	447062

Fee

Total linear feet:	12415.0
Total square feet:	964832.0
Total Fee:	4000.0

Project Fee Schedule

If the notification was submitted prior to 4/7/09, the actual project fee is one half of the amount shown on the fee schedule

Linear Feet:	Fee	Square Feet:	Fee
0 - 259 feet:	$0	0 - 159 feet:	$0
260 - 429 feet:	$200	160 - 259 feet:	$200
430 - 824 feet:	$400	260 - 499 feet:	$400
825 - 1649 feet:	$1000	500 - 999 feet:	$1000
1650 or more feet:	$2000	1000 or more feet:	$2000

Remarks

Windows with ACM Caulk - 1417 windows
Elevator Components - 15 each

Location/Area	Asbestos Containing Material	Approximate Quantity	Condition
14th Floor	Spray-on Fireproofing	33,200 SF	Fair
	Ceiling system	9,500 SF	Fair
	Fittings on Fiberglass Pipe Insulation	100 fittings	Fair
	Floor tile/mastic	1,400 SF	Fair
	Waterproof membranes	2,850 SF	Fair
	Mirror Mastic	1,850 SF	Fair
	Fire Doors	7 doors	Fair
	Vent Caulk (exterior)	<5 SF	Fair
	Skylight Caulking (exterior)	<30 SF	Fair
	Caulk (at seam of blue panels to roof)	<100 SF	Fair
	Roofing	1,700 SF	Fair
	Roof Flashing	1,300 SF	Fair
15th Floor	Floor tile/mastic	1,600 SF	Fair
	Mirror Mastic	700 SF	Fair
	Waterproof Membranes	550 SF	Fair
	Fittings on Fiberglass Pipe Insulation	90 fittings	Fair
	Fire Doors	3 doors	Fair
	Acoustical Plaster	1,400 SF	Fair
	Windows with ACM caulk	98 each	Fair
16th Floor	Floor tile/mastic	200 SF	Fair
	Mirror Mastic	700 SF	Fair
	Waterproof Membranes	550 SF	Fair
	Fittings on Fiberglass Pipe Insulation	90 fittings	Fair
	Fire Doors	4 doors	Fair
	Windows with ACM caulk	98 each	Fair
17th Floor	Mirror Mastic	600 SF	Fair
	Waterproof Membranes	450 SF	Fair
	Fittings on Fiberglass Pipe Insulation	90 fittings	Fair
	Fire Doors	4 doors	Fair
	Windows with ACM caulk	98 each	Fair

Variances

STATE OF NEW YORK
DEPARTMENT OF LABOR
www.labor.state.ny.us

DATE: 9/4/09

DELIVER TO:
Name: Robert Barr
Office:
Location:
Floor: **Room:**
Phone No: **Fax No:** 716-851-9567

FROM:
Name: Chris Arnold
Office: Engineering Services
Location: Bldg 12 Room 159, State Campus, Albany, NY 12240
Phone No: 518-457-1536
Fax No: 518-457-1301

COMMENTS: Variance Decision As Discussed

Handout Shall Follow Via US Mail

NUMBER OF PAGES BEING TRANSMITTED: 27 **(including cover sheet)**

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 1	ICR 5.1(h) limited
Case No. 2	ICR 56-7.2(o) limited
Case No. 3	ICR 56-8.1(b)(1-2)
Case No. 4	ICR 56-8.9(c)(2)
Case No. 5	ICR 56-8.9(e-f)
Case No. 6	ICR 56-9.1(h)
Case No. 7	ICR 56-11.2(b) limited

VARIANCE GRANTED. The Petitioner's proposal for pre-demolition removal of all friable and non-friable ACM in quantities and locations as listed by the petitioner, from the interior and exterior at the subject premises in accordance with the attached 23-page stamped copy of the Petitioner's submittal, is accepted; subject to the Conditions noted below:

THE CONDITIONS

1. As written with modifications as noted.

2. Relief from Section 5.1(h) is allowed only for non-ACM mounted/fixed object removal and non-ACM drywall removal that will not disturb ACM, as detailed within the petitioner's attached marked-up submittal.

3. During all phase II asbestos project activities, and preliminary preparatory work at the site, an independent full-time project monitor shall observe all work activities and ensure that no ACM is disturbed during work activities that are not within a negative pressurized containment enclosure. The project monitor shall direct the abatement contractor to cease all non-compliant activities upon discovery, and shall immediately inform the local district of the NYS DOL ACB of the situation by telephone.

4. Whenever internal combustion equipment is in use within the work area containment enclosure, combustion by-products shall be monitored as per current OSHA regulations, and engineering controls shall be established as necessary for adequate protection of all personnel in the work area from these by-products.

5. Any large equipment remaining in the work area, must be moved as necessary during the project monitor visual inspection, to allow all surfaces within the work area to be visually inspected adequately.

6. For discovered areas of ACM disturbance outside of negative pressurized work areas, all large size disturbance cleanup asbestos projects must be

appropriately designed and a variance reopening request submitted to address all work area preparation, cleanup and clearance procedures.

7. All reusable tent enclosures shall be disposed of as ACM at the conclusion of the entire asbestos project.

8. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.

2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.

3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.

4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.

5. This DECISION shall terminate on September 30, 2010.

Date: September 4, 2009

M. PATRICIA SMITH
COMMISSIONER OF LABOR

By

Christopher Alonge, P.E.
Associate Safety and Health Engineer

PREPARED BY: Christopher G. Alonge, P.E.
Associate Safety and Health Engineer

REVIEWED BY: Ed Smith, P.E.
Senior Safety and Health Engineer

09 79

Alonge, Christopher G (LABOR)

From: Robert Barr [rob@56services.com]
Sent: Friday, September 04, 2009 1:43 PM
To: Alonge, Christopher G (LABOR)
Cc: kreuzerr@liro.com; Wesolowski, Martin; 'William Eichhorn'
Subject: Midtown Tower Mall Variance clarifications V7
Attachments: Midtown Wire letter and sample results.pdf; Midtown variance V7 04Sept09.pdf

Mr. Alonge,

Most recent additions including listing remaining ACM in the above mentioned buildings and addition of air sampling requirements if and when an incidental disturbance occurs.

Please add previously attached site layout plans and example floor plans to this revised variance application.

If you need anything else corrected or amended, please do not hesitate to let me know.

Thank you,

Rob

Robert Barr 716.341.8601

PO Box 561 Buffalo, NY 14213 fax 716.408.9567

FIFTY-SIX Services Inc. environmental and demolition consulting

09 796

04 September 2009

Christopher Alonge, P.E.
Engineering Services Unit
New York State Department of Labor
W.Averell Harriman State Office Campus Bldg. 12 Rm 154
1112 South Avenue
Albany NY 12240

RE: **Midtown Plaza – Mall and Tower Variance Application Clarification**

Dear Mr. Alonge,

Enclosed please find a revised variance application for the above mentioned building(s). The following is a summary of the revisions and attachments to our application.

- Electrical wiring, previously presumed asbestos containing in the December 2008 survey of the Midtown Tower and Mall due to occupancy of the buildings was resampled on 03 September 2009, by LiRo Engineers. The material was analyzed by PLM and TEM methods and was not found to be an asbestos containing material. Please see the enclosed PLM & TEM Bulk Asbestos Results and chain-of-custody forms (Paradigm Environmental Services, Inc. Job#s 10690-09 and 10691-09).

I apologize for any confusion with regard to the prior submittal. Please review the following variance application and call with any further questions.

Sincerely,

Robert Barr
NYS Project Designer #93-19183

PO Box 561 – Buffalo, NY 14213 716.341.8601 (ph) 716.408.9567 (fax)

09 796

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: LiRo Engineers, Inc.
Location: Midtown Plaza
Rochester, New York
Sample Date: 9/3/2009

Job No: 10690-09
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
MM-01	75993	2nd Level - West	Black Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MM-02	75594	2nd Level - East	Blue Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MM-03	75595	1st Level - West	Red Wire Covering	Inconclusive No Asbestos Detected	0%	√	<1.0% Residue Remaining TEM not Required	N/A	None Detected	100%
MM-04	75596	1st Level - East	White Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MM-05	75597	1st Level - East	Black Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MM-06	75598	1st Level - West (Rainbow Plus)	Joint Compound	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%

NVLAP Lab Code 200530-0 for PLM Analysis **ELAP ID No.: 10958**

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/3/2009
Microscope: Olympus BH-2 #233173
PLM Analyst: *F. Childs*

TEM Date Analyzed: 9/4/2009
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

10690-09

2 of 2 (6)

LiRo Engineers, Inc.
ENVIRONMENTAL & ENGINEERING SERVICES

690 Delaware Avenue
Buffalo, New York 14209
Tel. 716-882-5476 / Fax 716-882-9640

Bulk Sampling Chain of Custody Form

LiRo Job #: 08-21-104
Job Name: Midtown Plaza
Job Location: Midtown Plaza, Rochester NY
Samples Taken by: DARRYL KOSIS
Building /Site: MALL.

FAX Results to: 716-882-9640
attention: Jason Colvin
email results to: colvinj@liro.com

Turn-Around-Time: FIVE DAYS

ACM CODE	SAMPLE NUMBER	SAMPLE LOCATION	DESCRIPTION OF MATERIAL	NOTES	QUANTITY
.	mm . 01	2ND LEVEL - WEST	BLACK WIRE COVERING	75993	
.	mm . 02	2ND LEVEL - EAST	BLUE WIRE COVERING	994	
.	mm . 03	@ 1ST LEVEL - WEST	RED WIRE COVERING	995 X	
.	mm . 04	1ST LEVEL - EAST	WHITE WIRE COVERING	996	
.	mm . 05	1ST LEVEL - EAST	BLACK WIRE COVERING	997	
.	mm . 06	1ST LEVEL - WEST (Clamtex plus)	JOINT COMPOUND	998	

Comments: **First positive stop for each "ACM Code" Group.**

Analyze NYS friables via PLM only. Analyze NYS NOB via PLM to TEM.

Relinquished By (Signature)	Date / Time	Received By (Signature)	Date / Time
	9/3/09		9.3.09

09/04/2009 16:37 518-457-1301 NYS LABOR-ENG. SVCES PAGE 07/13

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09 796

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS REPORT

Client: LiRo Engineers, Inc.
Location: Midtown Plaza
Rochester, New York
Sample Date: 9/3/2009

Job No: 10691-09
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Material %
MT-01	75999	13th Floor	White Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MT-02	76000	13th Floor	Red Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MT-03	76001	12th Floor	Blue Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MT-04	76002	12th Floor	Black Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MT-05	76003	9th Floor	Black Wire Covering	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
MT-06	76004	3rd Floor N/W of Pass Elev.	Joint Compound	None Detected	0%		Not Required	N/A	Cellulose <1.0%	100%

NVLAP Lab Code 200530-0 for PLM Analysis **ELAP ID No.: 10958**

New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. *Quantitative transmission electron microscopy* is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Date Analyzed: 9/3/2009
Microscope: Olympus BH-2 #233173
PLM Analyst: *F. Childs*

TEM Date Analyzed: 9/4/2009
TEM Analyst: J. Peter Donato

Laboratory Results Approved By:
Asbestos Technical Director Mary Dorr

09 796

10691-09

2826

LiRo Engineers, Inc.
ENVIRONMENTAL & ENGINEERING SERVICES

690 Delaware Avenue
Buffalo, New York 14209
Tel. 716-882-5476 / Fax 716-882-9640

Bulk Sampling Chain of Custody Form

LiRo Job #: 08-31-104
Job Name: Midtown Plaza
Job Location: Midtown Plaza, Rochester NY
Samples Taken by: DAROL. KOSUT
Building /Site: Tower

FAX Results to: 716-882-9640
attention: Jason Colvin
email results to: colvin@liro.com

Turn-Around-Time: Immediate

ACM CODE	SAMPLE NUMBER	SAMPLE LOCATION	DESCRIPTION OF MATERIAL	NOTES	QUANTITY
.	MT . 01	13th Floor	White wire covering	75999	
.	MT . 02	13th Floor	Red wire covering	6000	
.	MT . 03	12th Floor	Blue wire covering	001	
.	MT . 04	12th Floor	Black wire covering	002	
.	MT . 05	9th Floor	Black wire covering	003	
.	MT . 06	3rd Fl N/o of Pass. Elev.	Joint Compound	004	

Comments: First positive stop for each "ACM Code" Group.

Analyze NYS friables via PLM only. Analyze NYS NOB via PLM to TEM.

Relinquished By (Signature)	Date / Time	Received By (Signature)	Date / Time
	9/3/09		9.3.09

09 796

FIFTY-SIX services, inc. environmental and demolition consulting

02 September 2009

Christopher Alonge, P.E.
Engineering Services Unit
New York State Department of Labor
W.Averell Harriman State Office Campus Bldg. 12 Rm 154
1112 South Avenue
Albany NY 12240

RE: **Midtown Plaza – Mall and Tower Variance Application Clarification**

Dear Mr. Alonge,

Enclosed please find a revised variance application for the above mentioned building(s). The following is a summary of the revisions to our application.

- Debris noted in the previous petition referred to the possible discovery of unforseen conditions and the associated debris, not existing conditions – and the need for an approved variance in place so as to not slow abatement in the case encountered debris is more than 10 SF. Having personally performed the most recent survey on this facility, and having personally reviewed the prior operations and maintenance program documentation – the material in question was in good condition at time of inspection.
- All personnel engaged in general removals are all NYS DOL certified workers with up to date hard cards, physicals and fit tests. They are in the process of removing non-ACM features of the buildings (i.e., removal of gypsum boards installed below the ceiling systems leaving the wall studs, removal of doors, trim, furniture, and other non-ACM features of the building. No ACM will be disturbed by this process and personal air sampling is being conducted.
- The project will have Liro Engineers as a full time construction manager for the asbestos abatement and demolition and Liro will maintain a full time project monitor on-site. Paradigm Environmental will provide full time project monitors and air sampling technicians on-site for the duration of the project as the independent air monitor. Both companies will remain on site from pre-abatement through post abatement activities. All personnel on-site will be DOL licensed.

I apologize for any confusion with regard to the prior submittal. Please review the following variance application and call with any further questions.

Sincerely,

Robert Barr
NYS Project Designer #93-19183

09 796

Attachments for Variance Petition
MIDTOWN PLAZA
Rochester, NY
August 2009

9. Reason for Request

The project consists of the removal of ACM located at the Midtown Plaza Tower and attached Mall Complex. The buildings are part of a major demolition and revitalization project in downtown Rochester, New York. The contractor has twelve months to complete the project. The aformentioned buildings and adjacent buildings are vacant and are all scheduled for abatement and demolition. Materials and approximate quantities addressed by this petition for variance are as follows:

MIDTOWN TOWER - Asbestos Containing Materials:

- Spray-on/troweled-on Fireproofing – 514,100 SF
- Ceiling systems – 216,300 SF
- Pipe Insulation (other than that associated with ceiling systems) - 2,100 SF
- Fittings on fiberglass pipe insulation – 1,415 fittings
- Floor tile/mastic – 197,900 SF
- Fire doors – 77 doors
- Chiller insulation – 170 SF
- Mirror mastic – 8,400 SF
- Waterproof membranes – 11,550 SF
- Acoustical plaster – 1,400 SF
- Vent caulk – 5 SF CM 9/4/09
- Skylight caulking – 30 SF
- Caulk at metal panels – 100 SF
- Roofing – 5,200 SF
- Roof flashing – 11000 LF
- Aluminum panels with caulk – 5,960 SF
- Elevator components – 15 each
- Windows with ACM caulk – 1,417 windows

MIDTOWN MALL - Asbestos Containing Materials:

- Spray-on Fireproofing – 877,120 SF
- Ceiling systems – 373,300 SF
- Fittings on fiberglass pipe insulation – 1,171 fittings
- Pipe insulation – 5,260 LF
- Floor tile/mastic – 237,000 SF
- Mirror mastic – 18,300 SF
- Wall panel mastic – 2,500 SF

09 796

Attachments for Variance Petition
MIDTOWN PLAZA
Rochester, NY
August 2009

- Fire doors – 52 doors
- Carpet mastic on wall – 500 SF
- Drywall compound in former Cabochon store – 300 SF
- Caulk – 1,000 SF
- 3rd floor windows with ACM caulk – 8 large window sets
- Roofing – 23,815 SF
- Roof flashing – 6,552 LF
- Vaults and insulated safes
- Caulking and glazing on exterior windows and doors
- Mastic on select vinyl cove base.
- Roof vents - 5 vents
- PLASTER ON EXTERIOR OVERHANGS - 23,000 SF CMA 9/4/09

The abatement project is being completed as part of a demolition project of a group of buildings that comprise the Midtown Plaza. All buildings are currently unoccupied. The buildings were occupied as late as the end of 2008 and up to that point operations and maintenance programs were implemented and kept up until the closure of the facility. Records of this were kept in facility management offices and were reviewed as part of the survey process.

The spray-on fireproofing exists in all buildings and necessitates alternative preparation and removal methods. Extensive overspray is present on all components above ceiling systems. Because of the previously mentioned O&M program – this material was in good condition at time of inspection. Periodic monitoring of the buildings was performed by building personnel from the inception of asbestos standards and those records were reviewed as part of the survey report. The relief requested in this variance petition, via methods listed herewithin, are pre-emptive approaches to the discovery of debris above ceiling systems in the event previously unknown debris is discovered during pre-abatement inspections and are not based upon existing conditions. All materials including and above suspended and fixed ceilings, up to and including the decking are considered ACM and abatement methods will adhere to NYCRR56. The project has a strict 12-month schedule that must be maintained, and with an approved variance in place with respect to incidental disturbance delays will be alleviated.

Removal of floor tile, mastics and floor leveler/flash patch material will essentially be in accordance with 56-11.4, but the sequencing needs to be incorporated within the context of the other friable ACM removals in the same area(s), along with provisions to utilize powered equipment.

Attachments for Variance Petition
MIDTOWN PLAZA
Rochester, NY
August 2009

Alternative methods are also required to ensure the safety of abatement personnel performing the work in elevated locations.

Generally, literal compliance with the provisions of 12 NYCRR 56 would present an unnecessary hardship due to practical difficulties in safely accessing and removing the ACM in all of the buildings.

Prior to pre-abatement activities limited general removal of components will be completed that will not disturb or impact any ACM. Prior to regulated work area prep, activities performed will include removal of gypsum board from studs (below ceilings and leaving the wall studs in place to support partition wall above ceiling), removal of doors, trim, furniture, cabinets and other non ACM features of this building. Non-asbestos materials being removed as construction debris will be visually inspected by an on-site project monitor. No materials or wall boards will be disturbed at or above the ceiling systems. No ACM will be disturbed as part of the general removals. At time of inspection, and due in part to the previously existing and implemented O&M program in this facility, no debris from the spray-on fireproofing above was found in spaces below the ceiling system or within interior partition walls.

The operational bus station will reportedly close in October. Until that time hardwalled asbestos work areas will be a minimum of 25' away from public spaces. All areas will be demarcated usung barrier tape and signage with access limited to licensed individuals.

Walkways to adjacent noted in the most recent survey are no longer functional and are demarcated with barrier tape and proper signage. Air samples will be taken at this barrier location as per NY CRR56.

Plaster on exterior overhangs will be removed as part of this abament project. These exterior areas will all be hard walled and all abatement methods will adhere to NY CRR56.

Duct block insulation noted in the survey report will be address as part of the Tunnels or McCurdy's. This material was listed in this report because of it's proximity to this structure, but additionally listed in McCurdy's because of its original intended function.

Electrical wiring initially presumed asbestos containing was resampled 9/3/2009. Material was tested using PLM and TEM methods and was not found to be asbestos containing material. PLM & TEM Bulk Asbestos Results and chain-of-custody forms are also included in this submittal (Paradigm Environmental Services, Inc. Job#s 10690-09 and 10691-09).

STATE OF NEW YORK
DEPARTMENT OF LABOR
www.labor.state.ny.us

DATE: 10/27/09

DELIVER TO:

Name: Robert Burr

Office:

Location:

Floor: **Room:**

Phone No: **Fax No:** (716) 408-9567

FROM:

Name: Melissa Schmieder

Office: Engineering Services

Location: Bldg 12 Room 159, State Campus, Albany, NY 12240

Phone No: 518-457-1536

Fax No: 518-457-1301

COMMENTS:

NUMBER OF PAGES BEING TRANSMITTED: 20 **(including cover sheet)**

FIFTY-SIX services, inc. environmental and demolition consulting

16 October 2009

Christopher Alonge, P.E.
Engineering Services Unit
New York State Department of Labor
W.Averell Harriman State Office Campus Bldg. 12 Rm 154
1112 South Avenue
Albany NY 12240

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OCT 22 2009

New York State Dept. of Labor
Engineering Services Unit

RE: Midtown Plaza – Mall and Tower Variance Application Amendment ~~08-0796~~

pg 1 of 21

Dear Mr. Alonge,

With respect to the above mentioned variance, we submit the following additional information to be considered with the amendment to the original application:

- In the approved variance (Number 09-796) approval is granted for the utilization of bead blasters and solvent cleaning for the removal of the floor mastic materials. We would like to add the utilization of ultra-high pressure water to the list of approved mastic removal technologies. For the utilization of this technology, the following activities will occur:
  - A remote enclosure system will be constructed to contain the vacuum recovery system and water treatment unit. This enclosure will be located at ground level and will have an attached personal and waste decontamination system. It is expected to construct this enclosure system with wood framing and 2 layers of flame retardant reinforced plastic sheeting ~~in a tent like structure~~. The remote enclosure system will be placed under negative pressure registering -.02 on a magnahelic gauge.
  - The vac recovery system will be HEPA filtered at the blower exhaust.
  - The ultra high pressure floor tool head will be attached to the pump and the vac recovery system in the designated regulated abatement work area. The pump will be engaged to allow for 36,000psi of water pressure to be sent to the working head. The working head is a shrouded blast head that has the HEPA filtered vac recovery system attached. As the floor is blasted and cleaned, the vac recovery system will capture and convey (via enclosed negative pressure pipe) all the generated waste to the remote enclosure housing the vac recovery system. Liquid phase waste will be filtered to 5 microns and sent to a sanitary sewer structure, semi solid waste will be made solid by the introduction of kiln dust, concrete or saw dust to allow for packaging and disposal as solid waste material as depicted in the approved variance.
  - Upon completion of the mastic removal activities, the interior of the vac recovery system will have all filters removed and packaged as asbestos waste and all internal components wet wiped, HEPA vacuumed or pressure washed until free of all visible material. Final Airs will be run on the remote enclosure, upon receipt of satisfactory air clearance, the remote containment will be removed and the vac system removed from the site.

As per ICR 56 USK 10/22/09

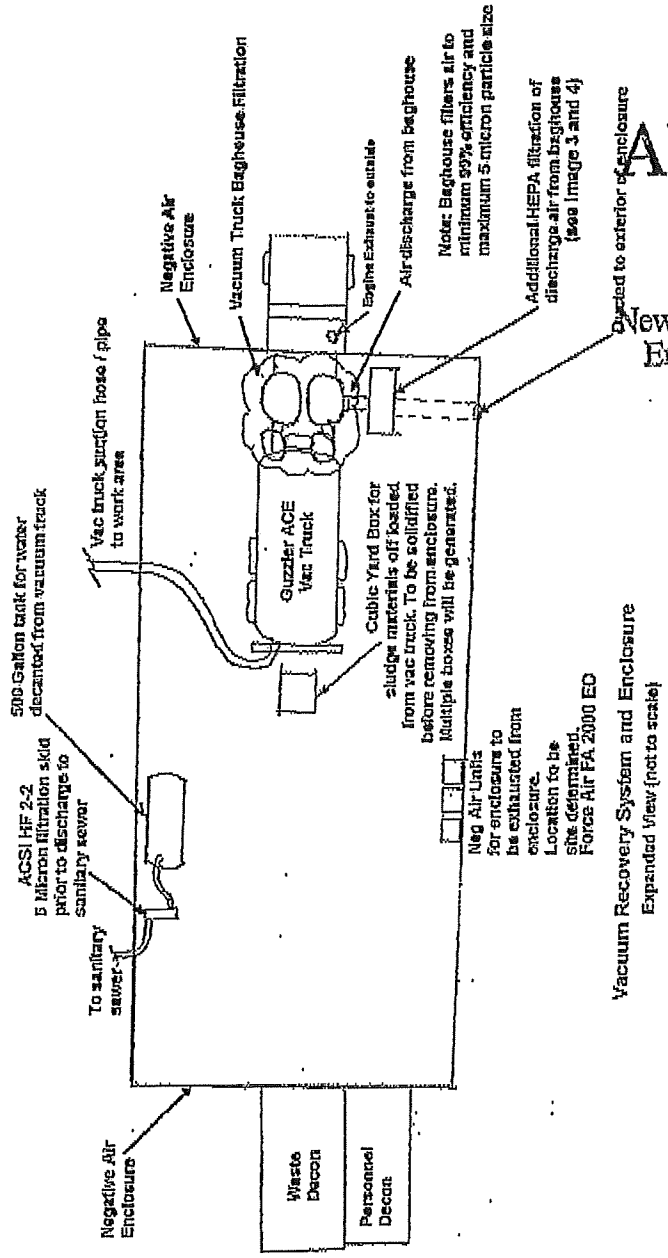
Plywood sheathing USK 10/22/09

All equipment shall be thoroughly cleaned as per ICR 56 USK 10/22/09

* Only units equipped by manufacturer with vacuum recovery connection shall be utilized for removals. Manufacturer requirements for operation & maintenance of all system components, shall be followed. USK 10/22/09

PO Box 561 – Buffalo, NY 14213 716.341.8601 (ph) 716.408.9567 (fax)

- Approved variance also listed clearance air sampling after gross removal of spray-on and again after removal of ACM flooring and mastic. Contractor will perform clearance air samples after completion of removal of all ACM and after final cleaning, drying periods, inspections and clearance as per 12 NYCRR 56.



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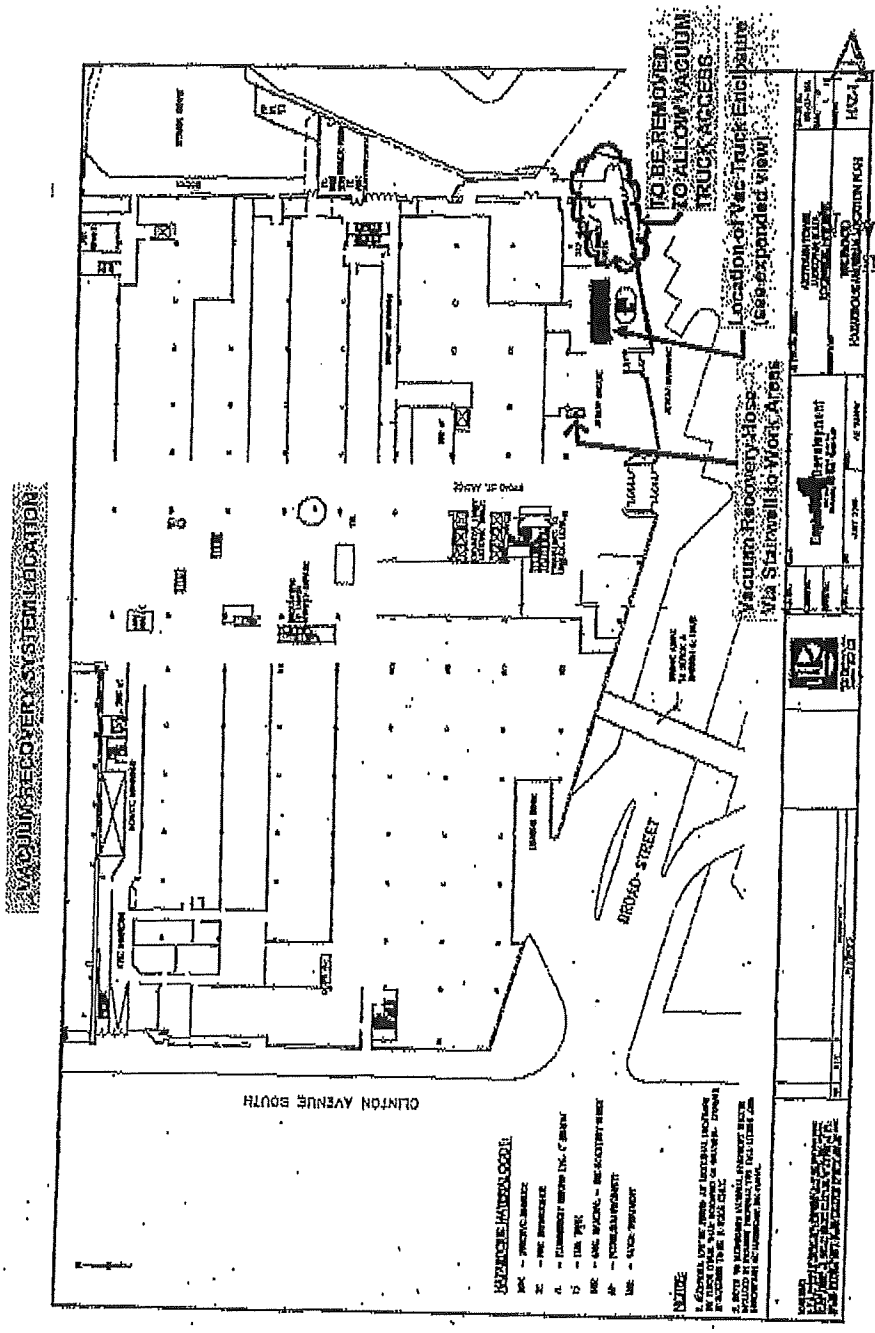
pg 2 of 21



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New York State Dept. of Labor
Engineering Services Unit

13-3 #21

Alonge, Christopher G (LABOR)

From: Robert Barr [rob@56services.com]
Sent: Friday, October 16, 2009 12:24 PM
To: Alonge, Christopher G (LABOR); Alonge, Christopher G (LABOR)
Cc: 'Bill'; Wesolowski, Martin; kreuzerr@liro.com
Subject: Response

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OCT 22 2009

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Engineering Services Unit

Mr. Alonge,

Additions to submitted letter and responses to your questions:

1. Waste Water Control – Any residual water that does not make it into the unit head and sent via hose directly to vacuum truck will be squeeged and HEPA vacuumed immediately.
2. Enclosure – Unit will be in use for extended period of time – it will be hard walled as per Code Rule 56.
3. Fencing – Unit will be parked inside one of the buildings on this site – with access limited only to NYS DOL licensed individuals. Entire site will be fenced. WITH A MINIMUM OF 8' HIGH TEMPORARY CHAIN-LINK CONSTRUCTION FENCING. THIS FENCING SHALL BE INSTALLED PRIOR TO USE OF THIS SYSTEM*

I also left this information on your voice mail. Please call if you have any questions.

Rob

Robert Barr 716.341.8601
[redacted]
PO Box 561 Buffalo, NY 14213 fax 716.408.9567

ONE WORKER SHALL BE DESIGNATED FOR WASTEWATER CONTROL AT EACH REMOVAL LOCATION SHALL VACUUM FUGITIVE WASTEWATER IMMEDIATELY UPON GENERATION.

10/16/2009

Alonge, Christopher G (LABOR)

From: Robert Barr [rob@56services.com]
Sent: Tuesday, October 20, 2009 3:49 PM
To: Alonge, Christopher G (LABOR); Alonge, Christopher G (LABOR)
Cc: 'Bill'
Subject: Midtown FW: Vac Unit Information

Attachments: 36-9950-15A.pdf; 20091020152218648.pdf

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OCT 2 2 2009

New York State Dept. of Labor
Engineering Services Unit
B.S. of 21


36-9950-15A.pdf (83 KB)


20091020152218648.pdf (87 KB)

Mr. Alonge,

Direct from the manufacturer.

Robert Barr
56 Services
716.341.8601

-----Original Message-----
From: Kidd, Rick A [mailto:kiddra@nlbusa.com]
Sent: Tuesday, October 20, 2009 3:25 PM
To: rob@56services.com
Subject: Vac Unit

Attached is the 36-9950-15A curent spin jet with Vac attachment.

> Rick Kidd
> NLB Corp
> Customer Service / Technical Support Mgr.
> 1-800-227-7652 Ext. 184
> Kiddra@nlbusa.com
www.nlbcorp.com

<<36-9950-15A.pdf>> <<20091020152218648.pdf>>

NLB Corp.

Model No. 36-9950-15A

Lightweight Ultra-High Pressure SPIN JET®

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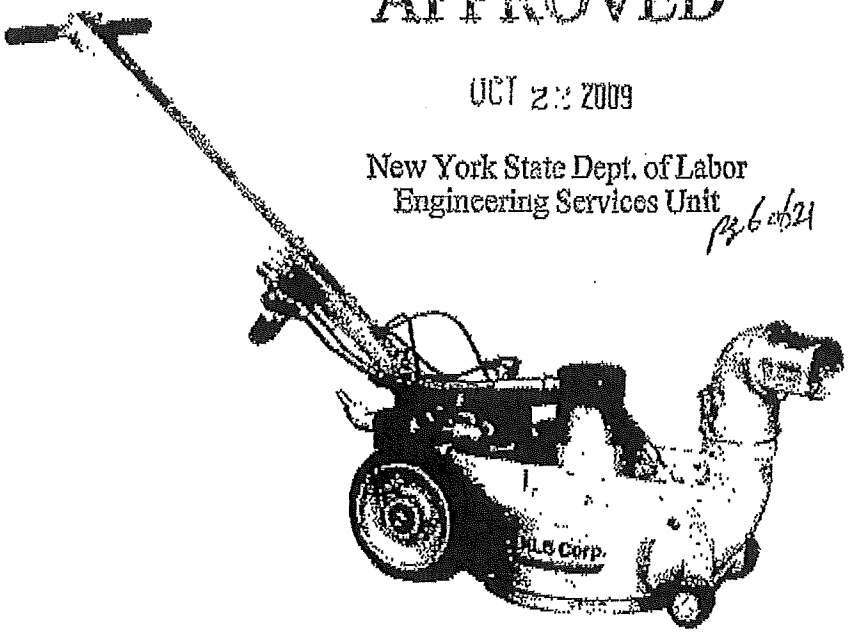
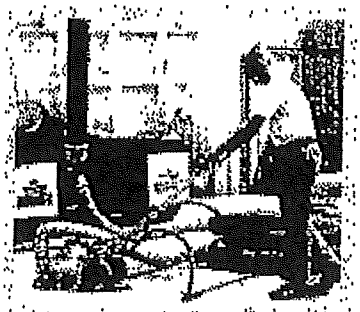
Engineering Services Unit





FEATURES:

- Weighs only 138 pounds (62.6 kg).
- Balanced design for ease of maneuverability.
- Handles for easy lifting.
- Aluminum and stainless steel construction.
- Uses up to 1.1 gpm (42 lpm), 40,000 psi (2,800 bar).
- Barjet® nozzle system with angular adjustment.
- 4" (10.25 cm) vacuum attachment for collection of water and debris.
- 15 inch (38.4 cm) cleaning coverage.

The NLB Model 36-9950-15A lightweight SPINJET ® combines the awesome cleaning power of ultra-high pressure water with the proven technology of our rot ating SPIN JET seals. This compact design weighs only 138 pounds (62.6 kg) and provides the ultimate in maneuverability and ease of operation. With features like a light-weight aluminum body, hard rubber wheels, 15 inch (38.4 cm) Barjet nozzle assembly and vacuum attachment, the 36-9950-15A is the answer to your toughest floor and deck cleaning problems.

Specifications subject to change without notice

THE LEADER IN HIGH-PRESSURE WATER JET TECHNOLOGY

NLB Corp.
The Leader in High-Pressure Water Jet Technology

Headquarters
29830 Beck Road
Wixom, MI 48393-2824
(248) 624-5555
FAX: (248) 624-0908
http://www.nlbcorp.com

Regional Offices

159 Harmony Road, Mickleton, NJ 08056
(856) 423-2211 FAX: (856) 423-0997

14302 Highway 44 N., Gonzales, LA 70737
(225) 622-1666 FAX: (225) 622-7366

11606 Spencer Hwy, La Porte, TX 77571
(281) 471-7761 FAX: (281) 471-8738

1323 E. Hill St., Signal Hill, CA 90755
(562) 490-3277 FAX: (562)733-0780

SPIN JET®
Floor & Grate Cleaners

NLB's patented SPIN JET® rotating spray systems have proven their ability in the harshest environments and have solved the toughest industrial and commercial cleaning problems. SPIN JET® applications include paint booth grate cleaning, coating removal, highway stripe removal, airport runway rubber removal, surface preparation, concrete scarification, and hydrodemolition.

FEATURES/BENEFITS:

- Vacuum recovery available.
- Uses NLB's Barjet™ ultra-high pressure spray bar.
- Fast-acting NLB dump valve (V36-550A), constructed of stainless steel, reduces water pressure to near-zero when in dump position.
- Hard rubber wheels for easy movement over a number of surfaces.
- Air-powered for consistent rotational speed.

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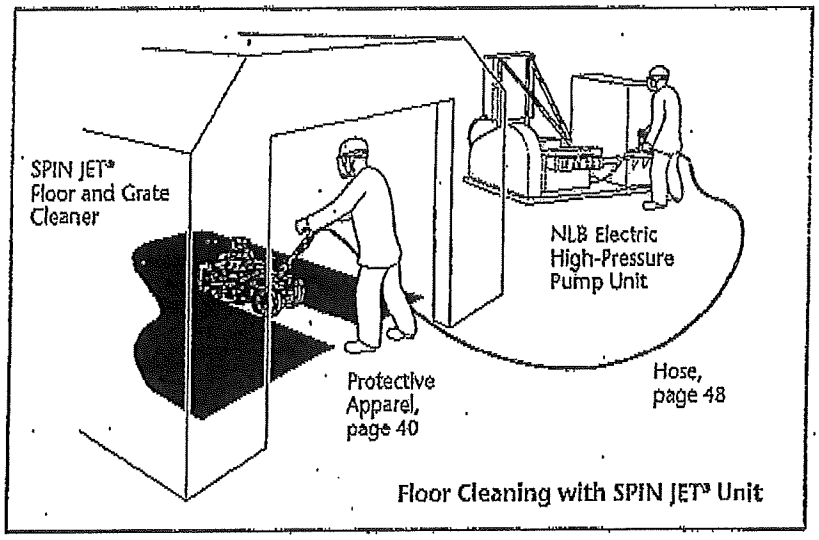
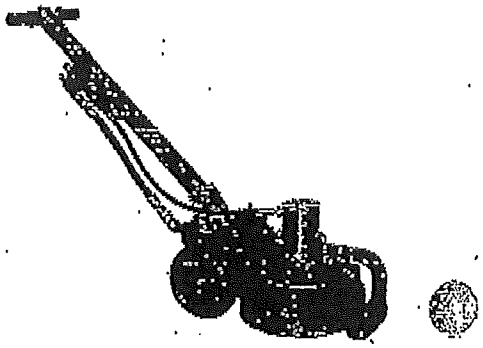
By 7 of 21



Floor Cleaning with SPIN JET® Unit

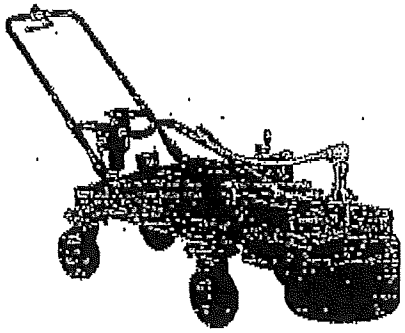
36-9900-15A



- Integral seal and air motor eliminates belt or chain drive.
- Lightweight aluminum construction.
- Balanced design for easy maneuverability.
- Adjustable handle for operator comfort.

Seal Part No.	Discharge Pressure (Max.)	Max. Flow	Rotation Speed	Air	Weight	Width	Nozzles
DRS12481	40,000 psi *(2,800 bar)*	11 gpm *(42 lpm)*	2,000 rpm	65 psi @ 50 cfm *(4.5 bar @ 23.6 l/s)*	120 lbs. *(54.5 kg)*	16" *(41 cm)*	Up to 15

36-8300-15A



- Front-mounted steel enclosure, offset to clean in tight corners.
- Heavy-gauge aluminum frame.
- Adjustable enclosure for cleaning uneven surfaces.

Seal Part No.	Discharge Pressure (Max.)	Max. Flow	Rotation Speed	Air	Weight	Width	Nozzles
DS8800A-1	40,000 psi *(2,800 bar)*	11 gpm *(42 lpm)*	2,500 rpm	90 psi @ 100 cfm *(6.2 bar @ 47.2 l/s)*	315 lbs. *(143 kg)*	23" *(58 cm)*	Up to 16

Image 1 – Equipment Detail – Floor Tool Head

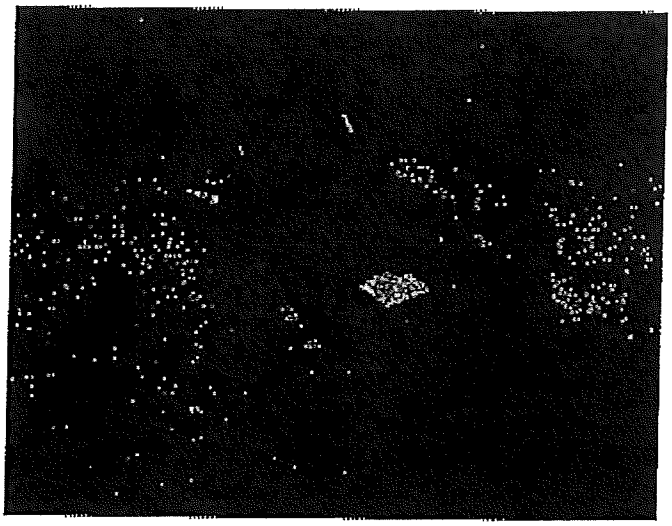


Image 2 – Equipment Detail – Floor Tool Head

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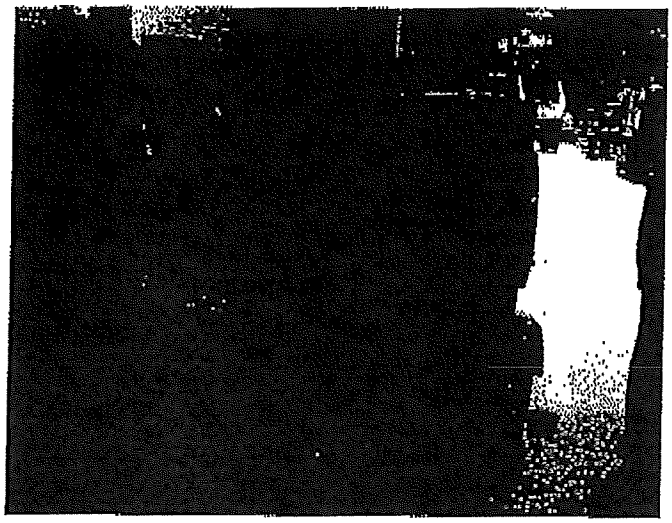
By S.L.21



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Engineering Services Unit
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Image 3 – Equipment Detail - HEPA Filter Enclosure for Blower Exhaust

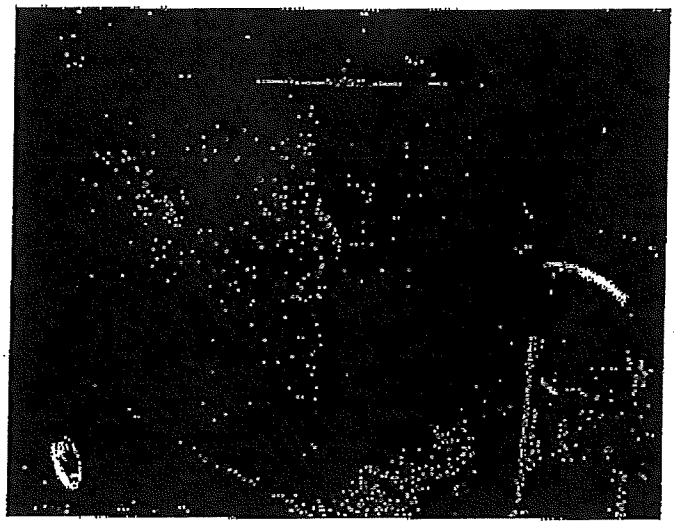

Image 4 – Equipment Detail - HEPA Filter Enclosure for Blower Exhaust

HFS
PORTABLE SHOWER

FEATURES	BENEFITS
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]

SPECIFICATIONS

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

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2009

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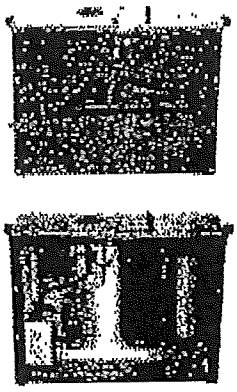
Engineering Services Unit

HF2-2
TWO STAGE FILTRATION SYSTEM



SPECIFICATIONS

[illegible]	[illegible]
[illegible]	35 lbs.
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

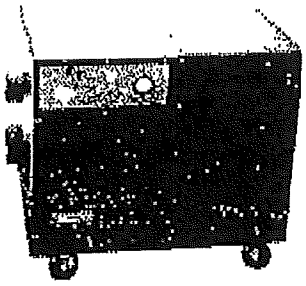
FEATURES	BENEFITS
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]
• [illegible]	• [illegible]

FA2000EC

FEATURES	BENEFITS
• Heavy duty aluminum cabinet	• Lightweight, durable rust resistant
• Modular control panel and service	• Control panel unplugs for easy removal
• Sealed control box	• Eliminates leakage around gaskets
• HEPA filter is locked in	• Assures a positive seal around HEPA filter
• Four heavy duty swivel casters 2 w/locks	• Provides easy mobility
• Rugged carrying handles	• Provides easy portability

SPECIFICATIONS

Dimensions:	37 1/2" x 26 1/2" x 32 1/2"
Weight:	440 lbs
Air Flow:	1975 (high speed)
	1000 (low speed)
Motor:	1 1/2 HP - 2 Speed - high efficient
Power Supply:	115V, 60HZ, 15 Amps
Body:	080 Aluminum
Filters:	Primary: 24" x 24" - 2 ply pad
	Secondary: 24" x 24" - 3 ply rigid panel
	HEPA Filter: 24v x 24 x 11 1/2" (99.97%)



GENERAL DATA

SPIN JET® MODEL AND SERIAL NUMBER INFORMATION

THE MODEL AND SERIAL NUMBERS ARE THE IDENTIFICATION OF THE MAJOR COMPONENTS. NLB CONTINUOUSLY STRIVES TO IMPROVE EQUIPMENT AS NEW DEVELOPMENTS OCCUR. WITH THE MODEL AND SERIAL NUMBER INFORMATION, THE EXACT CONFIGURATION OF YOUR UNIT CAN BE IDENTIFIED. A STAMPED PLATE IS PERMANENTLY RIVETED TO THE SPIN JET® UNITS. IT IS IMPORTANT THAT WHEN ORDERING REPLACEMENT PARTS FOR EACH UNIT THAT THE MODEL AND SERIAL NUMBERS ARE INCLUDED IN THE ORDER.

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[illegible] 2009

New York State Dept. of Labor
Engineering Services Unit
By 11 of 21

1

DESCRIPTION

THE 36-8300-15A SPIN JET® STRIPE REMOVER IS AN ULTRA HIGH PRESSURE WATER BLASTING ACCESSORY FOR REMOVING PAINT STRIPING WITH A LOW VOLUME OF PRESSURIZED WATER.

THE SPIN JET® UTILIZES A ROTATING NOZZLE BAR HOLDING UP TO 12 NOZZLES. THE ROTATION OF THE NOZZLE PROVIDES A WIDE PATTERN AS THE OPERATOR MOVES THE SPIN JET® OVER THE STRIPING TO BE REMOVED.

NOZZLE ROTATION IS PROVIDED BY AN AIR MOTOR. ROTATIONAL SPEEDS CAN BE ADJUSTED BY INCREASING OR DECREASING THE AIR PRESSURE.

THE SPIN JET® INCORPORATES THE NLB MODEL 8800A-1 36K ULTRA HIGH PRESSURE SWIVEL. THE ROTATING NOZZLE BAR IS SUPPORTED BY TWO HIGH CAPACITY SEALED BALL BEARINGS. THE ENTIRE ROTATING NOZZLE BAR MECHANISM INCLUDING THE ROUND SPRAY ARM ENCLOSURE MAY BE ADJUSTED UP OR DOWN TO SUIT PARTICULAR JOB REQUIREMENTS.

THE SPIN JET® UNIT INCORPORATES A MODEL V36-560 AIR CYLINDER OPERATED PRESSURE DUMP VALVE, CONTROLLED BY A MANUALLY OPERATED VALVE ON THE PUSH HANDLE. ALSO INCLUDED ARE AN AIR FILTER AND AN AIR LUBRICATOR FOR THE AIR MOTOR SUPPLY.

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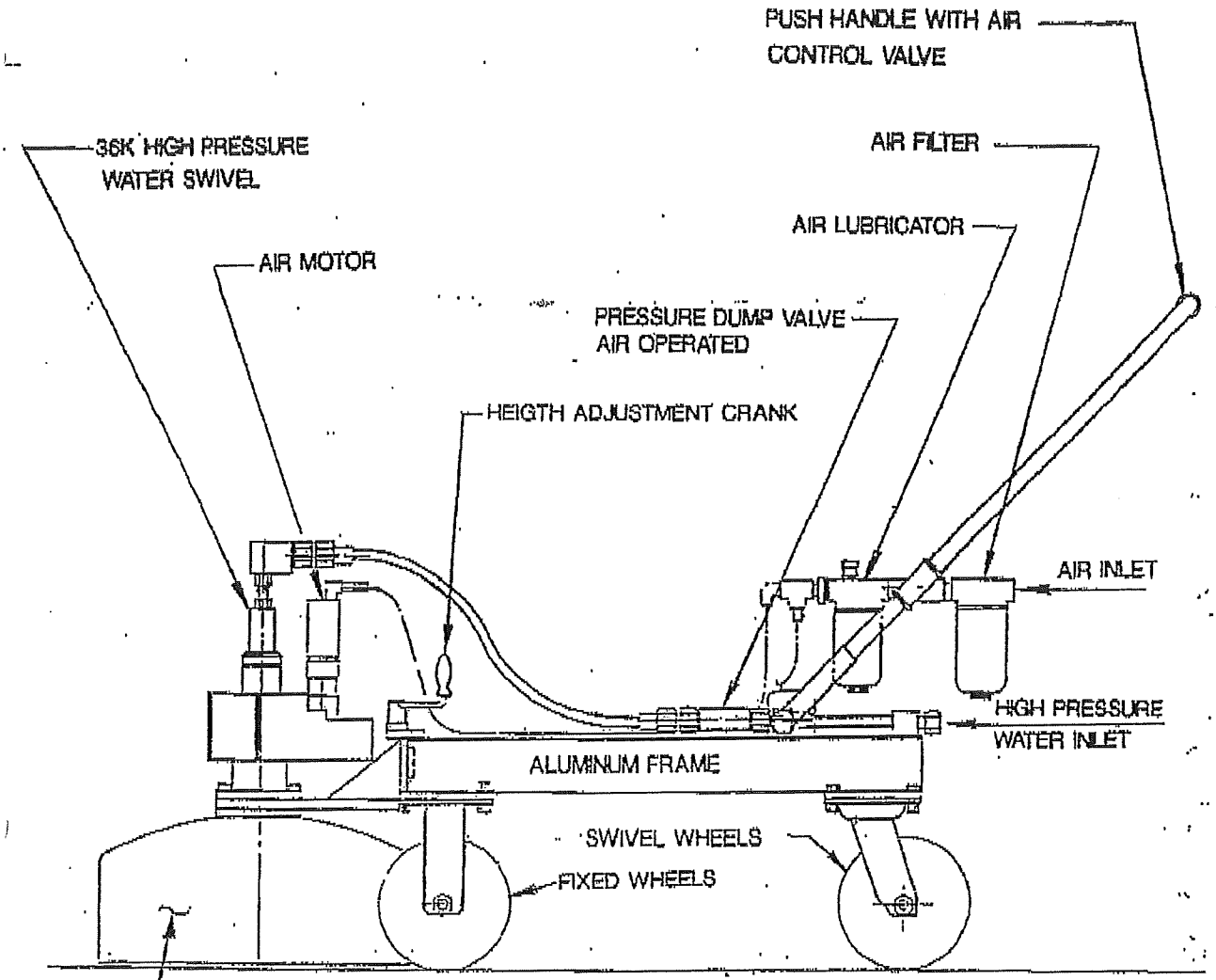
[illegible] 2009

New York State Dept. of Labor
Engineering Services Unit
pg 12 of 21



GENERAL ARRANGEMENT
MODEL 36-8300-15A SPIN JET
PAINT STRIPE REMOVER

PHYSICAL		
HEIGHT:	43"	(109.2cm)
WIDTH:	23"	(58.4 cm)
WEIGHT:	275 LB.	(124.8 kg)
FRAME CONSTRUCTION:	WELDED ALUMINUM	
NOZZLE ARM ENCLOSURE:	10 GA. STEEL	
PUSH HANDLE:	STEEL PIPE	
WHEELS:	8" SOLID RUBBER, 2 FIXED-2 SWIVEL	
OPERATING AIR SUPPLY:	90 SCFM AT 100 PSI (AT 3000 RPM ON NOZZLE)	
MIN. AIR SUPPLY HOSE SIZE:	3/4"	
INPUT WATER REQUIREMENT:	8 GPM (20 LITERS) MAX AT 36,000 PSI (2.482.7 BAR)	
INPUT WATER SUPPLY HOSE:	36,000 PSI WORKING PRESSURE 1-1/8"-12	
WATER CONTROL:	AIR OPERATED DUMP VALVE WITH MANUAL AIR CONTROL VALVE	
ROTATING SEAL:	NLB MODEL 8800-1	
NOZZLES:	SAPPHIRE ORIFICE ASSEMBLIES WITH RETAINING GLAND	
NOZZLE QUANTITY:	UP TO 18	
NOZZLE ROTATING SPEED:	3000 RPM MAXIMUM	

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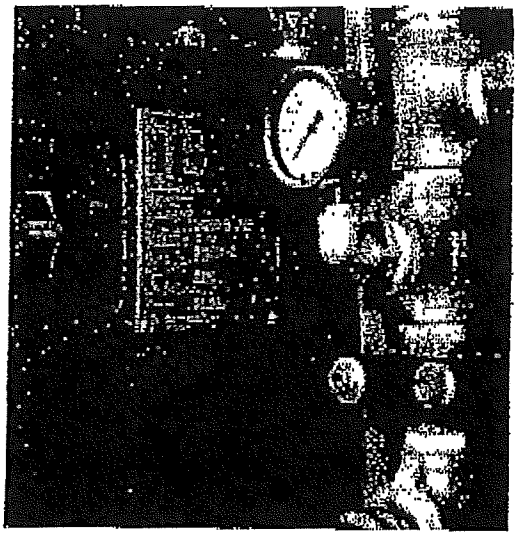
New York State Department of Labor
Engineering Services Unit
by 14 Feb 21

MODEL AND SERIAL NUMBER

THE MODEL AND SERIAL NUMBERS ARE THE IDENTIFICATION OF THE MAJOR COMPONENTS. NLB CONTINUOUSLY STRIVES TO IMPROVE EQUIPMENT AS NEW DEVELOPMENTS OCCUR. WITH THE MODEL AND SERIAL NUMBER INFORMATION, THE EXACT CONFIGURATION OF YOUR UNIT CAN BE DETERMINED. A STAMPED PLATE IS PERMANENTLY RIVETED TO THE HIGH PRESSURE PUMP AND THE ENGINE HOUSING OR CONTROL PANEL. THEY ARE LOCATED AS SHOWN IN THE FOLLOWING PICTURE. IT IS IMPORTANT, WHEN ORDERING REPLACEMENT PARTS FOR EACH UNIT, THAT THE MODEL AND SERIAL NUMBERS BE INCLUDED IN THE ORDER.



MODEL AND SERIAL NUMBER ON PUMP

FEATURES OF THE PUMP

THE NLB MODEL 36201 PUMP IS A HORIZONTAL, TRIPLEX, PLUNGER-TYPE POWER PUMP WITH A POLY CHAIN BELT DRIVE OR AN OPTIONAL BOLT ON GEAR PAC, FOR DIRECT-CONNECTION (THROUGH A FLEXIBLE COUPLING) TO AN ENGINE.

THE TRIPLEX POWER END IS THE SAME AS USED ON THE NLB 10150, 20150, 20156 AND 30200 PUMPS. THIS DESIGN HAS BEEN PROVEN BY YEARS OF FIELD OPERATION.

THE OPTIONAL GEAR-PAC HAS THE FOLLOWING FEATURES:

A. BOLTS TO A STANDARD POWER END. A SMALLER COUPLING IS REQUIRES THAN FOR AN ENGINE-MONTED GEAR.

B. CAN BE MOUNTED ON THE OPPISITE SIDE OF THE PUMP IF EVER NECESSARY TO REVERSE ROTATION.

C. GEAR AND PINION ARE CROWN-SHAVED, MADE OF FORGED ALLOY STEEL.

D. GEARS HAVE AN AGMA SERVICE FACTOR OF 2.

E. HIGH THERMAL POWER RATING - WILL OPERATE IN AN AMBIENT AIR OF 40° C WITHOUT EXTERNAL COOLING.

THE LIQUID END IS A RUGGED, SIMPLE DESIGN, WITH ADVANCED CONCEPTS FOR HIGH EFFICIENCY, LONG LIFE, AND EASY MAINTENANCE. FEATURES INCLUDE THE FOLLOWING:

A. THE FRAME PLATE BOLTS AND ALIGNS TO THE FACE OF THE POWER FRAME. IT IS THE BACK BONE OF THE LIQUID END. IT SUPPORTS ALL OTHER COMPONENTS OF THE LIQUID END. THE FRAME PLATE IS MADE OF HIGH-GRADE CARBON STEEL AND IS NICKEL-PLATED TO MINIMIZE CORROSION.

B. LIQUID END COMPONENTS ARE RETAINED BY HIGH STRENGTH STEEL BOLTING THAT THREADS INTO THE CARBON STEEL FRAME PLATE. EXCEPT FOR THE SUCTION AND DISCHARGE CONNECTIONS, THERE ARE NO THREADS IN ANY OF THE STAINLESS STEEL PARTS, MINIMIZING THE POSSIBILITY OF GALLING THE STAINLESS STEEL.

C. ALL PRESSURE-CONTAINING PARTS ARE MADE OF HIGH-STRENGTH STAINLESS STEEL, CERTIFIED FOR CHEMICAL AND PHYSICAL PROPERTIES.

D. THE MANIFOLD IS SEPARATED FROM THE AREAS OF THE LIQUID END EXPOSED TO FULL PRESSURE EXCURSIONS. (IT SEES A STEADY DISCHARGE PRESSURE IN THE DISCHARGE PORT AND A STEADY SUCTION PRESSURE IN THE SUCTION PORT.)

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E. THE VALVE SEATS CLAMP BETWEEN THE MANIFOLD AND THE PRESSURE SLEEVES.

F. THE SUCTION AND DISCHARGE VALVES ARE CONCENTRIC. THE SUCTION VALVE IS A DISC-TYPE VALVE. THE DISCHARGE VALVE IS A BEVEL-SEAT WING-GUIDED VALVE.

G. O-RINGS ARE USED ONLY ON THE PUMP MANIFOLD. THEY ARE EXPOSED TO STEADY PRESSURES ONLY.

H. A RAISED METAL-TO-METAL SEALING FACE IS PROVIDED AT EACH END OF THE PRESSURE SLEEVE. THESE SEALS ARE THE ONLY STATIC SEALS EXPOSED TO THE FULL PRESSURE EXCURSIONS AS THE PUMP RUNS.

I. THE PACKING CARTRIDGE IS EASILY REMOVED FOR CONVENIENT PACKING REPLACEMENT ON A WORK-BENCH.

J. THE PACKING IS SPRING-LOADED, ELIMINATING REQUIREMENTS FOR ADJUSTMENT. (THERE IS NO GLAND.)

K. THE PLUNGER IS SOLID TUNGSTEN CARBIDE. IT IS CLAMPED AND ALIGNED TO THE CROSSHEAD STUB WITH A NUT AND CIRCULAR SNAP RING.

L. LUBRICATION FOR THE PACKING IS PROVIDED ON THE ATMOSPHERIC SIDE, FROM A MECHANICAL LUBRICATOR DRIVEN FROM THE END OF THE PUMP CRANKSHAFT.

M. THE OIL FLOWS THROUGH CLEAR TUBES TO THE PACKING, ALLOWING VISUAL MONITORING OF THE FLOW. THE SMALL-DIAMETER TUBES FILL QUICKLY DURING INITIAL OPERATION, AND THE SMALL COPPER TUBE, AT THE FLANGE, INHIBITS LOSS OF OIL FROM THE TUBE DURING IDLE PERIODS. WATER SPRAY ON THE PLUNGERS IS NOT REQUIRED, MINIMIZING DISPOSAL REQUIREMENTS.

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By 17 of 21

FEATURES OF THE SYSTEM

THE SYSTEM IS DESIGNED TO LENGTHEN THE LIFE OF BOTH PUMP COMPONENTS AND SYSTEM COMPONENTS. FEATURES INCLUDE:

A. A WATER TANK AT ATMOSPHERIC PRESSURE. THIS ALLOWS MUCH OF THE DISSOLVED AIR TO FLASH OUT OF SOLUTION AND SEPARATE FROM THE WATER. (DISSOLVED AND ENTRAINED AIR CAUSE SERIOUS PROBLEMS WITH RECIPROCATING PUMPS.)

B. A LOW-WATER-LEVEL SHUT-DOWN SWITCH TO STOP THE ENGINE IF THE WATER DROPS TO A LOW LEVEL.

C. TANDEM INLET FILTER: A 10 MICRON FILTER IN SERIES WITH A SIX MICRON FILTER. (SOLIDS SHORTEN THE LIVES OF MANY SYSTEM COMPONENTS - ESPECIALLY PUMP PACKING AND PLUNGERS.)

D. A CENTRIFUGAL CHARGING PUMP WHICH:

1. IS DRIVEN FROM THE INPUT SHAFT. (IT RUNS ONLY WHEN THE POWER PUMP RUNS.)

2. PROVIDES A POSITIVE SUCTION PRESSURE TO THE POWER PUMP.

3. MAKES PRIMING EASY. IT QUICKLY FILLS THE POWER PUMP AND DISCHARGE SYSTEM.

E. A CLEAR, FLEXIBLE HOSE BETWEEN THE CENTRIFUGAL AND POWER PUMP WHICH

1. ENABLES THE OPERATOR TO SEE THE WATER FLOWING INTO THE POWER PUMP.

2. ABSORBS PULSES FROM THE POWER PUMP, SO THAT THE CENTRIFUGAL PUMP AND GAUGE ARE EXPOSED TO MINIMAL PULSATIONS.

F. AN ACOUSTIC TYPE (NO MOVING PARTS) DISCHARGE PULSATION DAMPENER WHICH REDUCES THE POWER PUMP DISCHARGE PULSE. THIS REDUCES STRESSES ON BOTH THE PUMP AND DISCHARGE SYSTEM.

G. A REMOTELY MOUNTED ACCESSORY MANIFOLD WHICH CONTAINS THE DISCHARGE GAUGE, RUPTURE DISC, AND CONNECTIONS FOR THE BY-PASS VALVE AND DISCHARGE HOSE. MOUNTING THIS MANIFOLD DOWNSTREAM OF THE PULSATION DAMPENER EXTENDS THE LIVES OF THE AUXILIARY EQUIPMENT.

H. A LIQUID-FILLED DISCHARGE PRESSURE GAUGE.

I. AN OIL-DAMPED BY-PASS VALVE.

J. TWO RUPTURE DISCS: ONE AT THE PUMP AND ONE AT THE ACCESSORIES MANIFOLD.

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SPECIFICATIONS AND RATINGS

LIQUID END **PLUNGER DIA 0.660" (16.7MM)**

STROKE LENGTH:	4.25 INCHES (10.8 CM)
MAXIMUM WORKING PRESSURE (PSI)	36,000 (2,482.7 BAR)
DISPLACEMENT (US GPM)	6.0 (22.7 LPM)
VOLUMETRIC EFFICIENCY AT MAXIMUM PRESSURE	90%
MAXIMUM OPERATING TEMPERATURE (OF WATER)	100°F (38°C)
MINIMUM REQUIRED SUCTION PRESSURE (PSIG)	30 (2.1 BAR)
CONNECTIONS	
SUCTION:	1/2" NPT
DISCHARGE:	9/16" 60,000 PSI (4,137.9 BAR)
MATERIALS OF CONSTRUCTION, ALL WETTED PARTS:	STAINLESS STEEL
PACKING:	SQUARE -RING SEALS
PACKING LUBRICATION:	ATMOSPHERIC-PRESSURE OIL FROM MECHANICAL LUBRICATOR
OPTIONAL GEAR-PAC RATIO:	7.16:1

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OCT 2 - 2009

New York State Department of
Environmental Conservation

By MPA

GUZZLER

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Pg 20 of 21

Specifications and Options

Guzzler ACE Intelligent Vacuum Loader

THE MOST INNOVATIVE REMOVERS.

The Guzzler® ACE™ was designed by maintenance, housekeeping and material handling experts. Industry technologies. Every system and component has been engineered for maximum productivity. The ACE™ was built the full spectrum of demand by material, maintenance and operator. Day in and day out, another design that has produced years of work as ACE.

Choosing an ACE is different than other makes; you're not stuck with one malfunction. Not true with a high-performance ACE™ vacuum loader, and then add just about any refuse handling system. Guzzler or specialized components you'd like. The result is an ACE, built for your application.

The Essence of ACE and Other Designs:

- Reduce your maintenance costs and downtime – our features eliminate components that are easy to maintain, replace and refurbish.
- Increase driver time to operate – basic controls are the same on every model
- Simplify your inventory and service – maximum parts are used across your entire fleet.

GUZZLER

Your Guzzler representative is:

STATE OF NEW YORK
DEPARTMENT OF LABOR
www.labor.state.ny.us

DATE: 10/27/09

DELIVER TO:

Name: Robert Barr

Office:

Location:

Floor: **Room:**

Phone No: **Fax No:** (716) 408-9567

FROM:

Name: Chelsea Schmiedekopf

Office: Engineering Services

Location: Bldg 12 Room 159, State Campus, Albany, NY 12240

Phone No: 518-457-1536

Fax No: 518-457-1301

COMMENTS:

NUMBER OF PAGES BEING TRANSMITTED: 27 **(including cover sheet)**

FIFTY-SIX Services, Inc.
environmental and demolition consulting

16 October 2009

Christopher Alonge, P.E.
Engineering Services Unit
New York State Department of Labor
W.Averell Harriman State Office Campus Bldg. 12 Rm 154
1112 South Avenue
Albany NY 12240

APPROVED
OCT 22 2009
New York State Dept. of Labor
Engineering Services Unit

RE: **Midtown Plaza – Mall and Tower Variance Application Amendment ~~09-0796~~**

Dear Mr. Alonge,

With respect to the above mentioned variance, we submit the following additional information to be considered with the amendment to the original application:

- In the approved variance (Number 09-796) approval is granted for the utilization of bead blasters and solvent cleaning for the removal of the floor mastic materials. We would like to add the utilization of ultra-high pressure water to the list of approved mastic removal technologies. For the utilization of this technology, the following activities will occur:
  - A remote enclosure system will be constructed to contain the vacuum recovery system and water treatment unit. This enclosure will be located at ground level and will have an attached personal and waste decontamination system. It is expected to construct this enclosure system with wood framing and 4 layers of flame retardant reinforced plastic sheeting ~~in a tent like structure~~. The remote enclosure system will be placed under negative pressure registering -.02 on a magnahelic gauge.
  - The vac recovery system will be HEPA filtered at the blower exhaust.
  - The ultra high pressure floor tool head will be attached to the pump and the vac recovery system in the designated regulated abatement work area. The pump will be engaged to allow for 36,000psi of water pressure to be sent to the working head. The working head is a shrouded blast head that has the HEPA filtered vac recovery system attached. As the floor is blasted and cleaned, the vac recovery system will capture and convey (via enclosed negative pressure pipe) all the generated waste to the remote enclosure housing the vac recovery system. Liquid phase waste will be filtered to 5 microns and sent to a sanitary sewer structure, semi solid waste will be made solid by the introduction of kiln dust, concrete or saw dust to allow for packaging and disposal as solid waste material as depicted in the approved variance.
  - Upon completion of the mastic removal activities, the interior of the vac recovery system will have all filters removed and packaged as asbestos waste and all internal components wet wiped, HEPA vacuumed or pressure washed until free of all visible material. Final Airs will be run on the remote enclosure, upon receipt of satisfactory air clearance, the remote containment will be removed and the vac system removed from the site.

ASPER ICR56 CJA 10/22/09

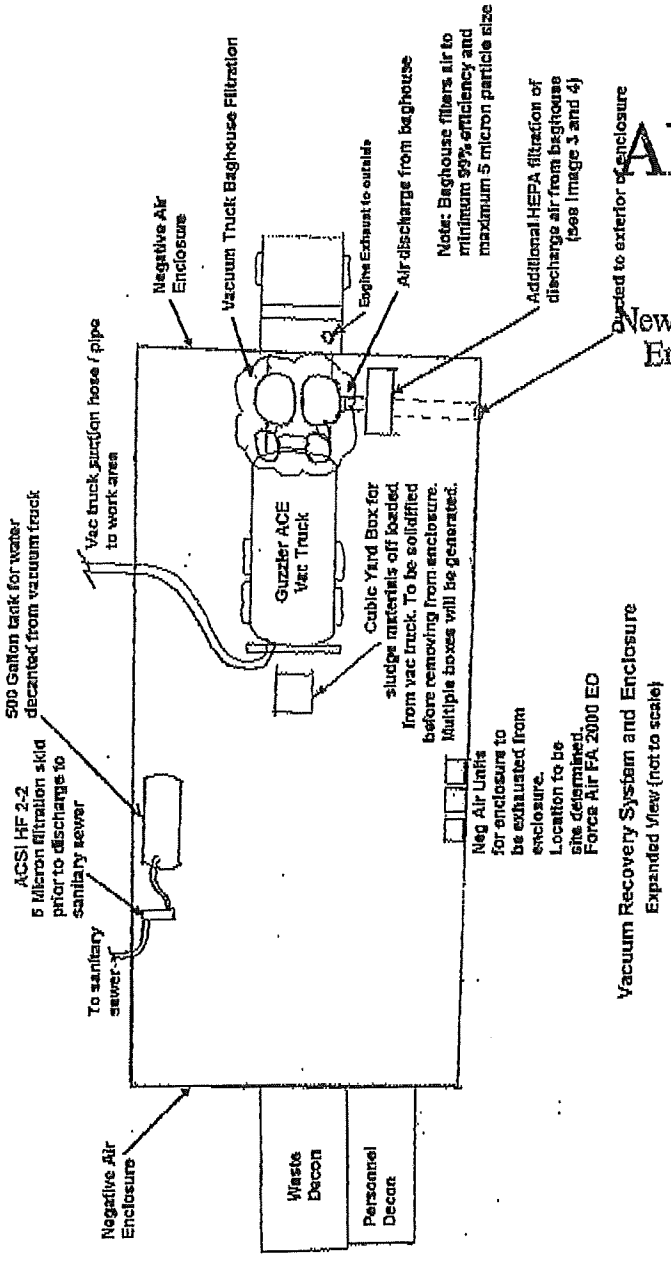
PLYWOOD SHEATHING CJA 10/22/09

ALL EQUIPMENT SHALL BE THOROUGHLY CLEANED AS PER ICR56 CJA 10/22/09

* ONLY UNITS EQUIPPED BY MANUFACTUER WITH VACUUM RECOVERY CONNECTION SHALL BE UTILIZED FOR REMOVALS. MANUFACTUER REQUIREMENTS FOR OPERATION & MAINTENANCE OF ALL SYSTEM COMPONENTS, SHALL BE FOLLOWED. CJA 10/22/09

PO Box 561 – Buffalo, NY 14213 716.341.8601 (ph) 716.408.9567 (fax)

- Approved variance also listed clearance air sampling after gross removal of spray-on and again after removal of ACM flooring and mastic. Contractor will perform clearance air samples after completion of removal of all ACM and after final cleaning, drying periods, inspections and clearance as per 12 NYCRR 56.



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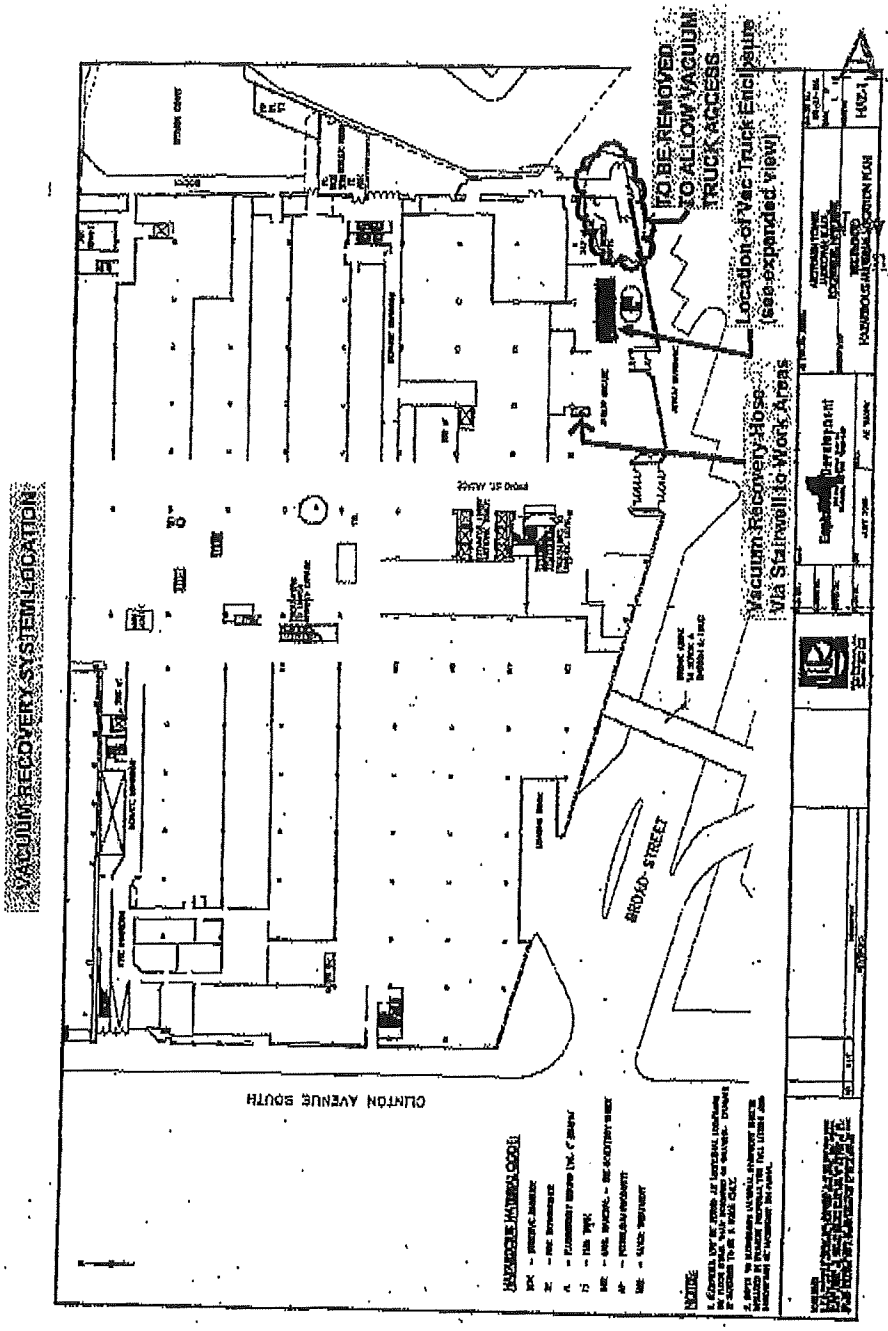
pg 2 of 21



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OCT 22 2009

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Engineering Services Unit

193 #21

Alonge, Christopher G (LABOR)

From: Robert Barr [rob@56services.com]
Sent: Friday, October 16, 2009 12:24 PM
To: Alonge, Christopher G (LABOR); Alonge, Christopher G (LABOR)
Cc: 'Bill'; Wesolowski, Martin; kreuzerr@liro.com
Subject: Response

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OCT 22 2009

New York State Dept. of Labor
Engineering Services Unit

Mr. Alonge,

Additions to submitted letter and responses to your questions:

1. Waste Water Control – Any residual water that does not make it into the unit head and sent via hose directly to vacuum truck will be squeeged and HEPA vacuumed immediately.
2. Enclosure – Unit will be in use for extended period of time – it will be hard walled as per Code Rule 56.
3. Fencing – Unit will be parked inside one of the buildings on this site – with access limited only to NYS DOL licensed individuals. Entire site will be fenced. WITH A MINIMUM OF 8' HIGH TEMPORARY CHAIN-LINK CONSTRUCTION FENCING. THIS FENCING SHALL BE INSTALLED PRIOR TO USE OF THIS SYSTEM*

I also left this information on your voice mail. Please call if you have any questions.

Rob

Robert Barr 716.341.8601
[redacted]
PO Box 561 Buffalo, NY 14213 fax 716.408.9567

* ONE WORKER SHALL BE DESIGNATED FOR WASTEWATER CONTROL AT EACH REMOVAL LOCATION & SHALL VACUUM FUGITIVE WASTEWATER IMMEDIATELY UPON GENERATION.

10/22/09

10/16/2009

Alonge, Christopher G (LABOR)

From: Robert Barr [rob@56services.com]
Sent: Tuesday, October 20, 2009 3:49 PM
To: Alonge, Christopher G (LABOR); Alonge, Christopher G (LABOR)
Cc: 'Bill'
Subject: Midtown FW: Vac Unit Information

Attachments: 36-9950-15A.pdf; 20091020152218648.pdf

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OCT 2 2 2009

New York State Dept. of Labor
Engineering Services Unit
15 5 of 21

36-9950-15A.pdf (83 KB) 20091020152218648.pdf (87 KB)

Mr. Alonge,

Direct from the manufacturer.

Robert Barr
56 Services
716.341.8601

-----Original Message-----
From: Kidd, Rick A [mailto:kiddra@nlbusa.com]
Sent: Tuesday, October 20, 2009 3:25 PM
To: rob@56services.com
Subject: Vac Unit

Attached is the 36-9950-15A curent spin jet with Vac attachment.

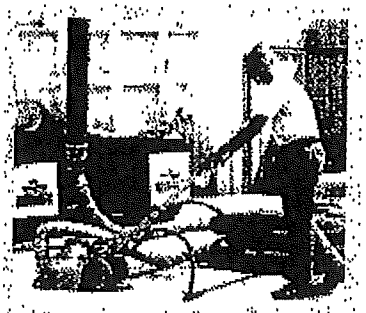
> Rick Kidd
> NLB Corp
> Customer Service / Technical Support Mgr.
> 1-800-227-7652 Ext. 184
> Kiddra@nlbusa.com
www.nlbcorp.com

<<36-9950-15A.pdf>> <<20091020152218648.pdf>>

NLB Corp.

Model No. 36-9950-15A

Lightweight Ultra-High Pressure SPIN JET®



FEATURES:

- Weighs only 138 pounds (62.6 kg).
- Balanced design for ease of maneuverability.
- Handles for easy lifting.
- Aluminum and stainless steel construction.
- Uses up to 11 gpm (42 lpm) 40,000 psi (2,800 bar).
- Barjet® nozzle system with angular adjustment.
- 4" (10.25 cm) vacuum attachment for collection of water and debris.
- 15 inch (38.4 cm) cleaning coverage.

The NLB Model 36-9950-15A lightweight SPINJET ® combines the awesome cleaning power of ultra-high pressure water with the proven technology of our rot ating SPIN JET seals. This compact design weighs only 138 pounds (62.6 kg) and provides the ultimate in maneuverability and ease of operation. With features like a light-weight aluminum body, hard rubber wheels, 15 inch (38.4 cm) Barjet nozzle assembly and vacuum attachment, the 36-9950-15A is the answer to your toughest floor and deck cleaning problems.

Specifications subject to change without notice

THE LEADER IN HIGH-PRESSURE WATER JET TECHNOLOGY

NLB Corp.
The Leader in High-Pressure Water Jet Technology

Headquarters
29830 Beck Road
Wixom, MI 48393-2824
(248) 624-5555
FAX: (248) 624-0908
http://www.nlbcorp.com

Regional Offices

159 Harmony Road, Mickleton, NJ 08056
(856) 423-2211 FAX: (856) 423-0997

14302 Highway 44 N., Gonzalea, LA 70737
(225) 622-1666 FAX: (225) 622-7366

11506 Spencer Hwy, La Porte, TX 77571
(281) 471-7761 FAX: (281) 471-8738

1323 E. Hill St., Signal Hill, CA 90755
(562) 490-3277 FAX: (562)733-0780

SPIN JET®
Floor & Grate Cleaners

NLB's patented SPIN JET® rotating spray systems have proven their ability in the harshest environments and have solved the toughest industrial and commercial cleaning problems. SPIN JET® applications include paint booth grate cleaning, coating removal, highway stripe removal, airport runway rubber removal, surface preparation, concrete scarification, and hydrodemolition.

FEATURES/BENEFITS:

- Vacuum recovery available.
- Uses NLB's Barjet™ ultra-high pressure spray bar.
- Fast-acting NLB dump valve (V36-550A), constructed of stainless steel, reduces water pressure to near-zero when in dump position.
- Hard rubber wheels for easy movement over a number of surfaces.
- Air-powered for consistent rotational speed.

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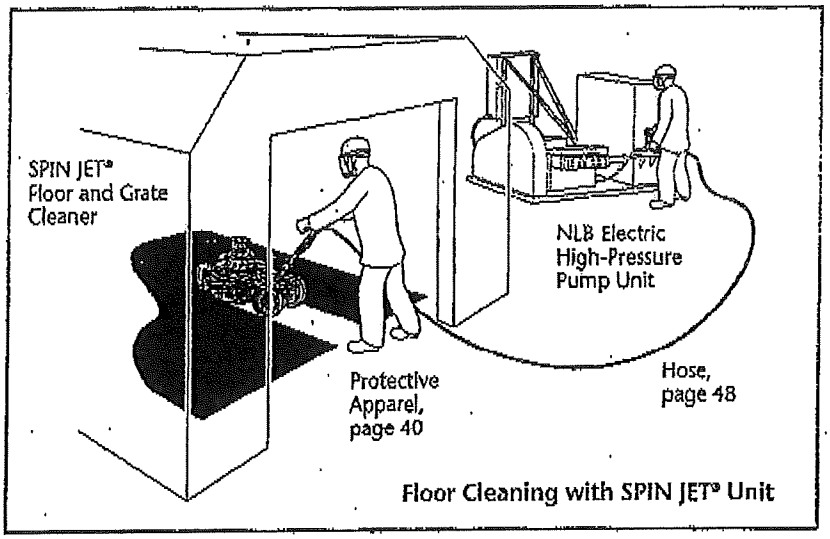
OCT 29 2009

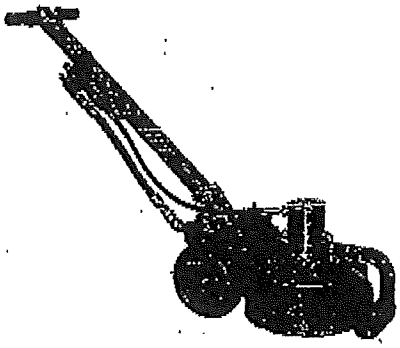
New York State Dept. of Labor
Engineering Services Unit
By JDA 21



Floor Cleaning with SPIN JET® Unit

36-9900-15A

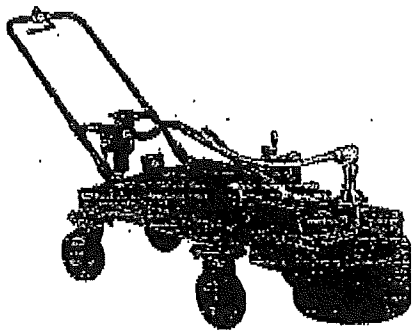
- Integral seal and air motor eliminates belt or chain drive.
- Lightweight aluminum construction.
- Balanced design for easy maneuverability.
- Adjustable handle for operator comfort.



Seal Part No.	Discharge Pressure (Max.)	Max. Flow	Rotation Speed	Air	Weight	Width	Nozzles
DRS12481	40,000 psi *(2,800 bar)*	11 gpm *(42 lpm)*	2,000 rpm	65 psi @ 50 cfm *(4.5 bar @ 23.6 l/s)*	120 lbs. *(54.5 kg)*	16" *(41 cm)*	Up to 15

36-8300-15A

- Front-mounted steel enclosure, offset to clean in tight corners.
- Heavy-gauge aluminum frame.
- Adjustable enclosure for cleaning uneven surfaces.



Seal Part No.	Discharge Pressure (Max.)	Max. Flow	Rotation Speed	Air	Weight	Width	Nozzles
DS8800A-1	40,000 psi *(2,800 bar)*	11 gpm *(42 lpm)*	2,500 rpm	90 psi @ 100 cfm *(6.2 bar @ 47.2 l/s)*	315 lbs. *(143 kg)*	23" *(58 cm)*	Up to 16

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Engineering Services Unit

By SoL21

Image 1 – Equipment Detail – Floor Tool Head

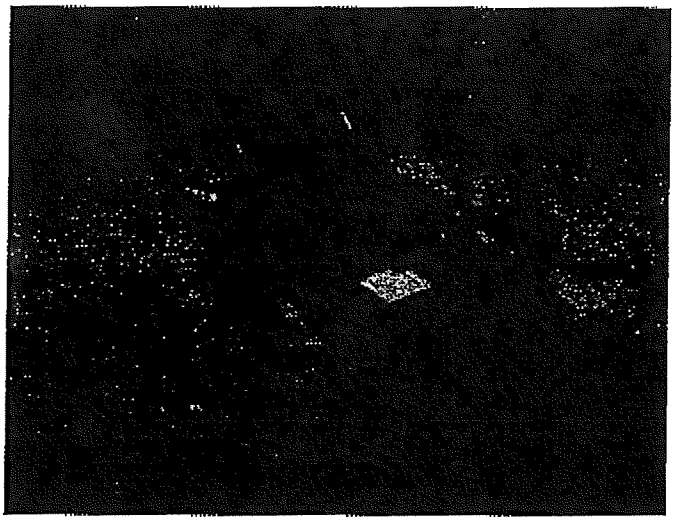

Image 2 – Equipment Detail – Floor Tool Head

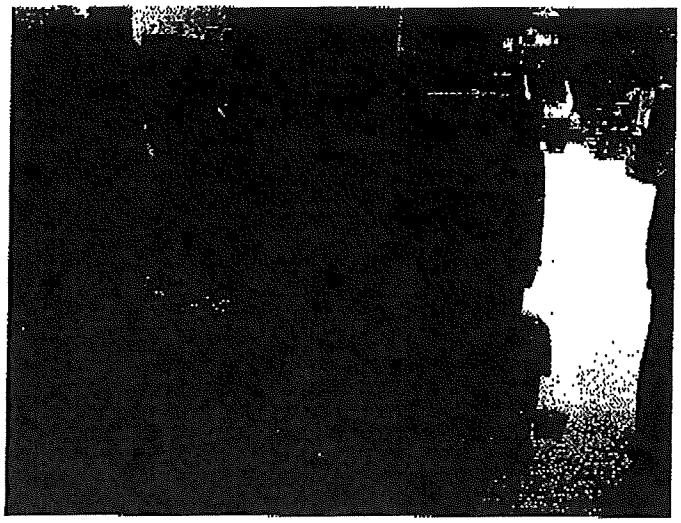

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Image 3 – Equipment Detail - HEPA Filter Enclosure for Blower Exhaust

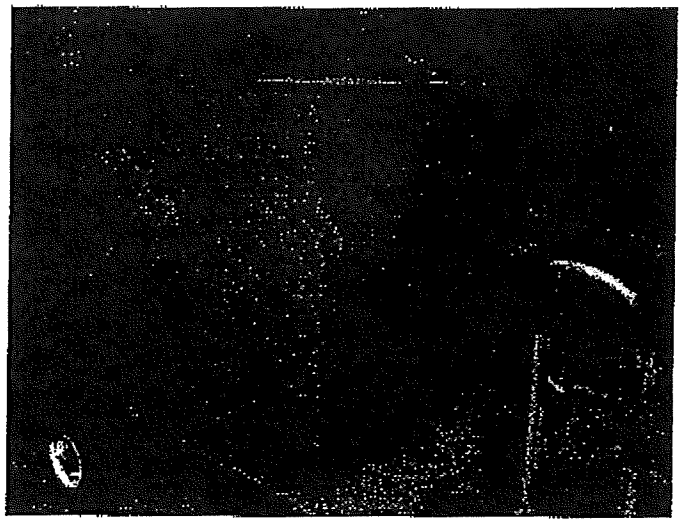

Image 4 – Equipment Detail - HEPA Filter Enclosure for Blower Exhaust

FEATURES

BENEFITS

HFS
PORTABLE SHOWER

SPECIFICATIONS

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2009

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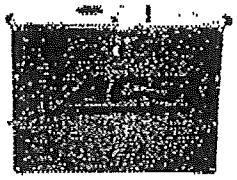
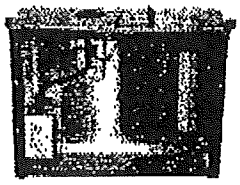
HF2-2
TWO STAGE FILTRATION SYSTEM





SPECIFICATIONS

FEATURES **BENEFITS**

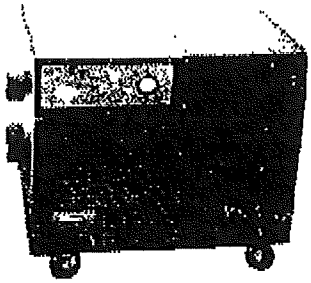
FA2000EC

FEATURES **BENEFITS**

- Heavy duty aluminum cabinet — Lightweight, durable rust resistant
- Modular control panel and service — Control panel unplugs for easy removal
- Sealed control box — Eliminates leakage around gaskets
- HEPA filter is locked in — Assures a positive seal around HEPA filter
- Four heavy duty swivel casters 2 w/locks — Provides easy mobility
- Rugged carrying handles — Provides easy portability

SPECIFICATIONS

Dimensions:	37 1/2" x 26 1/2" x 32 1/2"
Weight:	440 lbs
Air Flow:	1975 (high speed)
	1000 (low speed)
Motor:	1 1/2 HP - 2 Speed - high efficient
Power Supply:	115V, 60HZ, 15 Amps
Body:	080 Aluminum
Filters:	Primary: 24" x 24" - 2 ply pad
	Secondary: 24" x 24" - 3 ply rigid panel
	HEPA Filter: 24" x 24" x 11 1/2" (99.97%)



GENERAL DATA

SPIN JET® MODEL AND SERIAL NUMBER INFORMATION

THE MODEL AND SERIAL NUMBERS ARE THE IDENTIFICATION OF THE MAJOR COMPONENTS. NLB CONTINUOUSLY STRIVES TO IMPROVE EQUIPMENT AS NEW DEVELOPMENTS OCCUR. WITH THE MODEL AND SERIAL NUMBER INFORMATION, THE EXACT CONFIGURATION OF YOUR UNIT CAN BE IDENTIFIED. A STAMPED PLATE IS PERMANENTLY RIVETED TO THE SPIN JET® UNITS. IT IS IMPORTANT THAT WHEN ORDERING REPLACEMENT PARTS FOR EACH UNIT THAT THE MODEL AND SERIAL NUMBERS ARE INCLUDED IN THE ORDER.

1

DESCRIPTION

THE 36-8300-15A SPIN JET® STRIPE REMOVER IS AN ULTRA HIGH PRESSURE WATER BLASTING ACCESSORY FOR REMOVING PAINT STRIPING WITH A LOW VOLUME OF PRESSURIZED WATER.

THE SPIN JET® UTILIZES A ROTATING NOZZLE BAR HOLDING UP TO 12 NOZZLES. THE ROTATION OF THE NOZZLE PROVIDES A WIDE PATTERN AS THE OPERATOR MOVES THE SPIN JET® OVER THE STRIPING TO BE REMOVED.

NOZZLE ROTATION IS PROVIDED BY AN AIR MOTOR. ROTATIONAL SPEEDS CAN BE ADJUSTED BY INCREASING OR DECREASING THE AIR PRESSURE.

THE SPIN JET® INCORPORATES THE NLB MODEL 8800A-1 36K ULTRA HIGH PRESSURE SWIVEL. THE ROTATING NOZZLE BAR IS SUPPORTED BY TWO HIGH CAPACITY SEALED BALL BEARINGS. THE ENTIRE ROTATING NOZZLE BAR MECHANISM INCLUDING THE ROUND SPRAY ARM ENCLOSURE MAY BE ADJUSTED UP OR DOWN TO SUIT PARTICULAR JOB REQUIREMENTS.

THE SPIN JET® UNIT INCORPORATES A MODEL V36-560 AIR CYLINDER OPERATED PRESSURE DUMP VALVE, CONTROLLED BY A MANUALLY OPERATED VALVE ON THE PUSH HANDLE. ALSO INCLUDED ARE AN AIR FILTER AND AN AIR LUBRICATOR FOR THE AIR MOTOR SUPPLY.

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[illegible] 2009

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Engineering Services Unit

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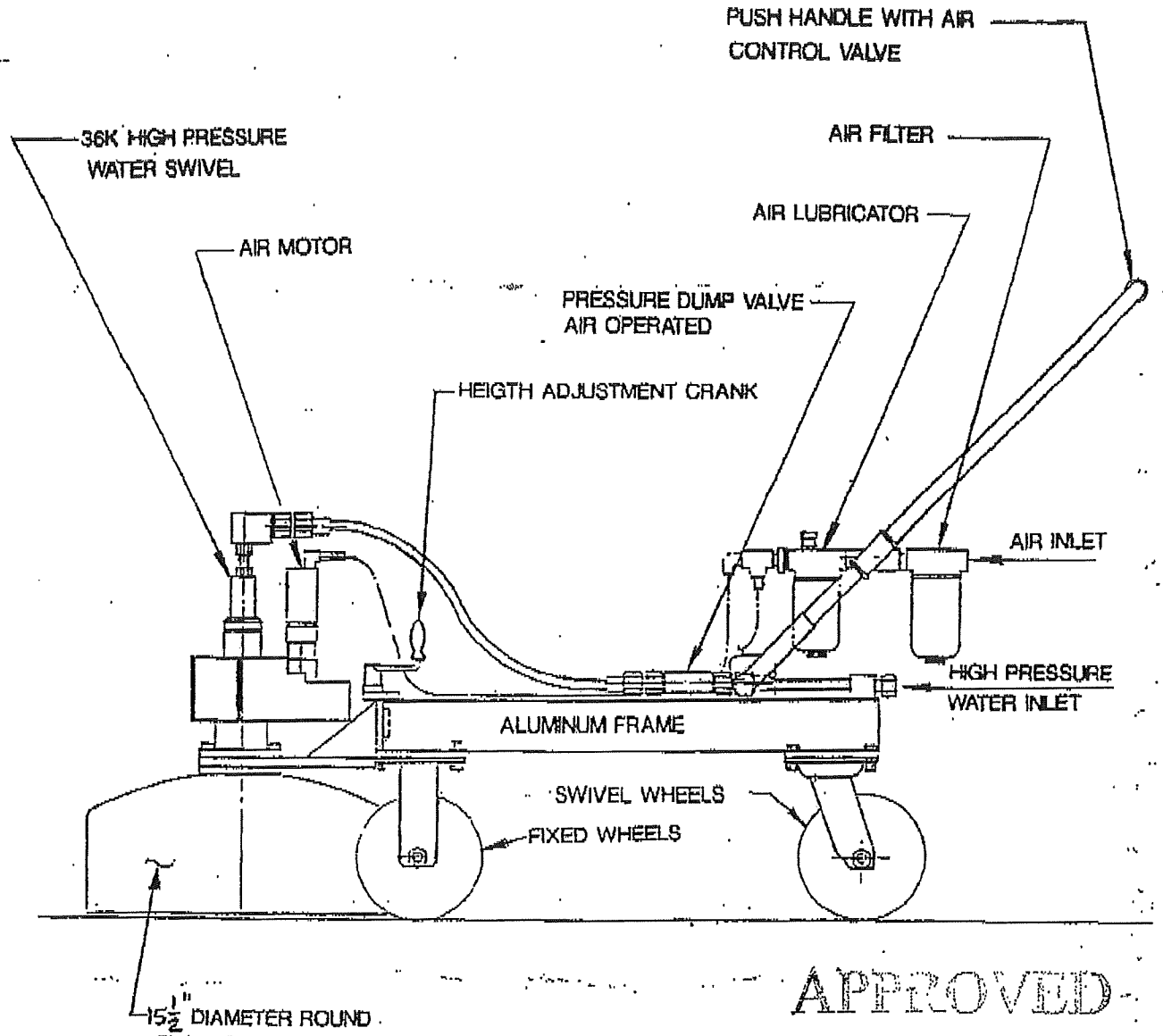

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Engineering Services Unit

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GENERAL ARRANGEMENT
MODEL 36-8300-15A SPIN JET
PAINT STRIPE REMOVER

PHYSICAL		
HEIGHT:	43"	(109.2cm)
WIDTH:	23"	(58.4 cm)
WEIGHT:	275 LB.	(124.8 kg)
FRAME CONSTRUCTION:	WELDED ALUMINUM	
NOZZLE ARM ENCLOSURE:	10 GA. STEEL	
PUSH HANDLE:	STEEL PIPE	
WHEELS:	8" SOLID RUBBER, 2 FIXED-2 SWIVEL	
OPERATING AIR SUPPLY:	90 SCFM AT 100 PSI (AT 3000 RPM ON NOZZLE)	
MIN. AIR SUPPLY HOSE SIZE:	3/4"	
INPUT WATER REQUIREMENT:	8 GPM (20 LITERS) MAX AT 36,000 PSI (2.482.7 BAR)	
INPUT WATER SUPPLY HOSE:	36,000 PSI WORKING PRESSURE 1-1/8"-12	
WATER CONTROL:	AIR OPERATED DUMP VALVE WITH MANUAL AIR CONTROL VALVE	
ROTATING SEAL:	NLB MODEL 8800-1	
NOZZLES:	SAPPHIRE ORIFICE ASSEMBLIES WITH RETAINING GLAND	
NOZZLE QUANTITY:	UP TO 18	
NOZZLE ROTATING SPEED:	3000 RPM MAXIMUM	

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Engineering Services Unit
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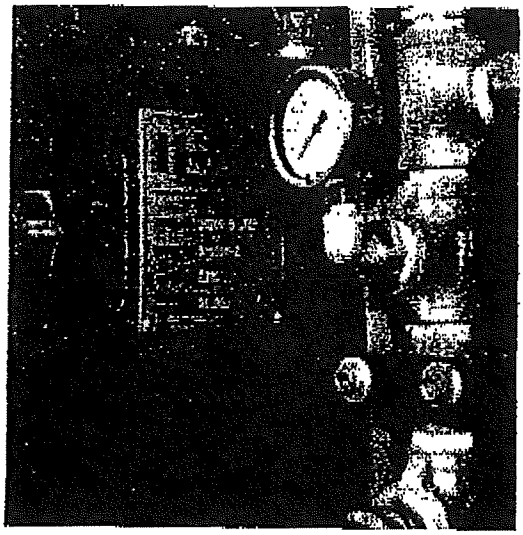
MODEL AND SERIAL NUMBER

THE MODEL AND SERIAL NUMBERS ARE THE IDENTIFICATION OF THE MAJOR COMPONENTS. NLB CONTINUOUSLY STRIVES TO IMPROVE EQUIPMENT AS NEW DEVELOPMENTS OCCUR. WITH THE MODEL AND SERIAL NUMBER INFORMATION, THE EXACT CONFIGURATION OF YOUR UNIT CAN BE DETERMINED. A STAMPED PLATE IS PERMANENTLY RIVETED TO THE HIGH PRESSURE PUMP AND THE ENGINE HOUSING OR CONTROL PANEL. THEY ARE LOCATED AS SHOWN IN THE FOLLOWING PICTURE. IT IS IMPORTANT, WHEN ORDERING REPLACEMENT PARTS FOR EACH UNIT, THAT THE MODEL AND SERIAL NUMBERS BE INCLUDED IN THE ORDER.



MODEL AND SERIAL NUMBER ON PUMP

FEATURES OF THE PUMP

THE NLB MODEL 36201 PUMP IS A HORIZONTAL, TRIPLEX, PLUNGER-TYPE POWER PUMP WITH A POLY CHAIN BELT DRIVE OR AN OPTIONAL BOLT ON GEAR PAC, FOR DIRECT-CONNECTION (THROUGH A FLEXIBLE COUPLING) TO AN ENGINE.

THE TRIPLEX POWER END IS THE SAME AS USED ON THE NLB 10150, 20150, 20156 AND 30200 PUMPS. THIS DESIGN HAS BEEN PROVEN BY YEARS OF FIELD OPERATION.

THE OPTIONAL GEAR-PAC HAS THE FOLLOWING FEATURES:

A. BOLTS TO A STANDARD POWER END. A SMALLER COUPLING IS REQUIRES THAN FOR AN ENGINE-MONTED GEAR.

B. CAN BE MOUNTED ON THE OPPISITE SIDE OF THE PUMP IF EVER NECESSARY TO REVERSE ROTATION.

C. GEAR AND PINION ARE CROWN-SHAVED, MADE OF FORGED ALLOY STEEL.

D. GEARS HAVE AN AGMA SERVICE FACTOR OF 2.

E. HIGH THERMAL POWER RATING - WILL OPERATE IN AN AMBIENT AIR OF 40° C WITHOUT EXTERNAL COOLING.

THE LIQUID END IS A RUGGED, SIMPLE DESIGN, WITH ADVANCED CONCEPTS FOR HIGH EFFICIENCY, LONG LIFE, AND EASY MAINTENANCE. FEATURES INCLUDE THE FOLLOWING:

A. THE FRAME PLATE BOLTS AND ALIGNS TO THE FACE OF THE POWER FRAME. IT IS THE BACK BONE OF THE LIQUID END. IT SUPPORTS ALL OTHER COMPONENTS OF THE LIQUID END. THE FRAME PLATE IS MADE OF HIGH-GRADE CARBON STEEL AND IS NICKEL-PLATED TO MINIMIZE CORROSION.

B. LIQUID END COMPONENTS ARE RETAINED BY HIGH STRENGTH STEEL BOLTING THAT THREADS INTO THE CARBON STEEL FRAME PLATE. EXCEPT FOR THE SUCTION AND DISCHARGE CONNECTIONS, THERE ARE NO THREADS IN ANY OF THE STAINLESS STEEL PARTS, MINIMIZING THE POSSIBILITY OF GALLING THE STAINLESS STEEL.

C. ALL PRESSURE-CONTAINING PARTS ARE MADE OF HIGH-STRENGTH STAINLESS STEEL, CERTIFIED FOR CHEMICAL AND PHYSICAL PROPERTIES.

D. THE MANIFOLD IS SEPARATED FROM THE AREAS OF THE LIQUID END EXPOSED TO FULL PRESSURE EXCURSIONS. (IT SEES A STEADY DISCHARGE PRESSURE IN THE DISCHARGE PORT AND A STEADY SUCTION PRESSURE IN THE SUCTION PORT.)

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New York State Dept. of Labor
Engineering Services Unit

E. THE VALVE SEATS CLAMP BETWEEN THE MANIFOLD AND THE PRESSURE SLEEVES.

F. THE SUCTION AND DISCHARGE VALVES ARE CONCENTRIC. THE SUCTION VALVE IS A DISC-TYPE VALVE. THE DISCHARGE VALVE IS A BEVEL-SEAT WING-GUIDED VALVE.

G. O-RINGS ARE USED ONLY ON THE PUMP MANIFOLD. THEY ARE EXPOSED TO STEADY PRESSURES ONLY.

H. A RAISED METAL-TO-METAL SEALING FACE IS PROVIDED AT EACH END OF THE PRESSURE SLEEVE. THESE SEALS ARE THE ONLY STATIC SEALS EXPOSED TO THE FULL PRESSURE EXCURSIONS AS THE PUMP RUNS.

I. THE PACKING CARTRIDGE IS EASILY REMOVED FOR CONVENIENT PACKING REPLACEMENT ON A WORK-BENCH.

J. THE PACKING IS SPRING-LOADED, ELIMINATING REQUIREMENTS FOR ADJUSTMENT. (THERE IS NO GLAND.)

K. THE PLUNGER IS SOLID TUNGSTEN CARBIDE. IT IS CLAMPED AND ALIGNED TO THE CROSSHEAD STUB WITH A NUT AND CIRCULAR SNAP RING.

L. LUBRICATION FOR THE PACKING IS PROVIDED ON THE ATMOSPHERIC SIDE, FROM A MECHANICAL LUBRICATOR DRIVEN FROM THE END OF THE PUMP CRANKSHAFT.

M. THE OIL FLOWS THROUGH CLEAR TUBES TO THE PACKING, ALLOWING VISUAL MONITORING OF THE FLOW. THE SMALL-DIAMETER TUBES FILL QUICKLY DURING INITIAL OPERATION, AND THE SMALL COPPER TUBE, AT THE FLANGE, INHIBITS LOSS OF OIL FROM THE TUBE DURING IDLE PERIODS. WATER SPRAY ON THE PLUNGERS IS NOT REQUIRED, MINIMIZING DISPOSAL REQUIREMENTS.

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Engineering Services Unit
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FEATURES OF THE SYSTEM

THE SYSTEM IS DESIGNED TO LENGTHEN THE LIFE OF BOTH PUMP COMPONENTS AND SYSTEM COMPONENTS. FEATURES INCLUDE:

A. A WATER TANK AT ATMOSPHERIC PRESSURE. THIS ALLOWS MUCH OF THE DISSOLVED AIR TO FLASH OUT OF SOLUTION AND SEPARATE FROM THE WATER. (DISSOLVED AND ENTRAINED AIR CAUSE SERIOUS PROBLEMS WITH RECIPROCATING PUMPS.)

B. A LOW-WATER-LEVEL SHUT-DOWN SWITCH TO STOP THE ENGINE IF THE WATER DROPS TO A LOW LEVEL.

C. TANDEM INLET FILTER: A 10 MICRON FILTER IN SERIES WITH A SIX MICRON FILTER. (SOLIDS SHORTEN THE LIVES OF MANY SYSTEM COMPONENTS - ESPECIALLY PUMP PACKING AND PLUNGERS.)

D. A CENTRIFUGAL CHARGING PUMP WHICH:

1. IS DRIVEN FROM THE INPUT SHAFT. (IT RUNS ONLY WHEN THE POWER PUMP RUNS.)

2. PROVIDES A POSITIVE SUCTION PRESSURE TO THE POWER PUMP.

3. MAKES PRIMING EASY. IT QUICKLY FILLS THE POWER PUMP AND DISCHARGE SYSTEM.

E. A CLEAR, FLEXIBLE HOSE BETWEEN THE CENTRIFUGAL AND POWER PUMP WHICH

1. ENABLES THE OPERATOR TO SEE THE WATER FLOWING INTO THE POWER PUMP.

2. ABSORBS PULSES FROM THE POWER PUMP, SO THAT THE CENTRIFUGAL PUMP AND GAUGE ARE EXPOSED TO MINIMAL PULSATIONS.

F. AN ACOUSTIC TYPE (NO MOVING PARTS) DISCHARGE PULSATION DAMPENER WHICH REDUCES THE POWER PUMP DISCHARGE PULSE. THIS REDUCES STRESSES ON BOTH THE PUMP AND DISCHARGE SYSTEM.

G. A REMOTELY MOUNTED ACCESSORY MANIFOLD WHICH CONTAINS THE DISCHARGE GAUGE, RUPTURE DISC, AND CONNECTIONS FOR THE BY-PASS VALVE AND DISCHARGE HOSE. MOUNTING THIS MANIFOLD DOWNSTREAM OF THE PULSATION DAMPENER EXTENDS THE LIVES OF THE AUXILIARY EQUIPMENT.

H. A LIQUID-FILLED DISCHARGE PRESSURE GAUGE.

I. AN OIL-DAMPED BY-PASS VALVE.

J. TWO RUPTURE DISCS: ONE AT THE PUMP AND ONE AT THE ACCESSORIES MANIFOLD.

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SPECIFICATIONS AND RATINGS

LIQUID END **PLUNGER DIA 0.660" (16.7MM)**

STROKE LENGTH:	4.25 INCHES (10.8 CM)
MAXIMUM WORKING PRESSURE (PSI)	36,000 (2,482.7 BAR)
DISPLACEMENT (US GPM)	6.0 (22.7 LPM)
VOLUMETRIC EFFICIENCY AT MAXIMUM PRESSURE	90%
MAXIMUM OPERATING TEMPERATURE (OF WATER)	100°F (38°C)
MINIMUM REQUIRED SUCTION PRESSURE (PSIG)	30 (2.1 BAR)
CONNECTIONS	
SUCTION:	1/2" NPT
DISCHARGE:	9/16" 60,000 PSI (4,137.9 BAR)
MATERIALS OF CONSTRUCTION, ALL WETTED PARTS:	STAINLESS STEEL
PACKING:	SQUARE -RING SEALS
PACKING LUBRICATION:	ATMOSPHERIC-PRESSURE OIL FROM MECHANICAL LUBRICATOR
OPTIONAL GEAR-PAC RATIO:	7.16:1

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OCT 2 - 2006

New York State Department of
Environmental Conservation

By 19 of 21

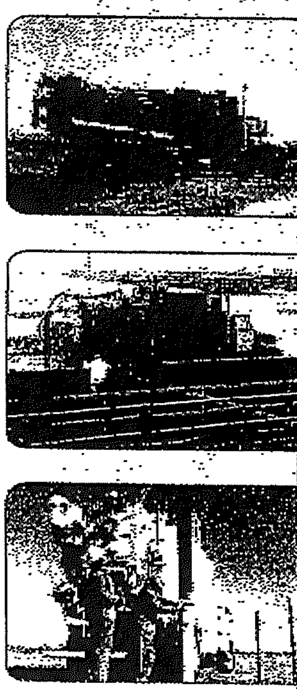
The Guzzler® ACE® was designed by contractors, incorporating the world's leading vacuum loader technologies. Every system and component has been engineered for maximum productivity. The ACE can handle the full spectrum of wet and dry material, from remote or inaccessible locations. Day in and day out, no other design delivers the productivity you get with an ACE.

Choosing an ACE is different than other makes; you're not stuck with one configuration. You start with a high-performance ACE vacuum loader, and then add just about any offloading system, filtration or specialized component you'd like. The result is an ACE, built for your application.

What's more, the ACE modular design:

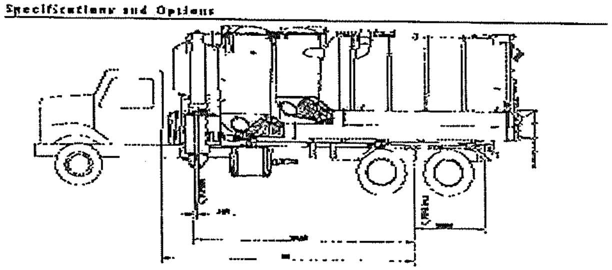
- Reduces your maintenance costs and downtime – our bolt-on filtration components are easier to maintain, replace and refurbish.
- Is easier for your crew to operate – basic controls are the same on every model
- Simplifies your inventory and service – common parts are used across your entire fleet.

THE MOST INDUSTRY FAVORITES.



Guzzler ACE Industrial Vacuum Loader

Specifications and Options



Standard Specifications

- Blower: Positive Displacement Dual-lobe or Tri-lobe Available
- Maximum Vacuum: up to 28 in Hg [illegible]
- [illegible]
- [illegible]
- [illegible]
- Controls: [illegible]
- Hydraulics: Variable volume hydraulic pump [illegible]
- Payload Capacity: [illegible]
- Collection Body: [illegible]
- Heavy-Duty Sidedoor
- [illegible]
- [illegible]
- Electrical: [illegible]
- Filtration – All Modular Construction
  First Stage: [illegible]
  Second Stage: [illegible]
  Third Stage: [illegible]
  Fourth Stage: [illegible]
- Silencers: [illegible]
- Bag Cleaning: [illegible]

Your Guzzler representative is:

Popular Options

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- Hydraulic loading boom
- [illegible]
- Work lights

Additional options available. Consult your Guzzler representative for more information.

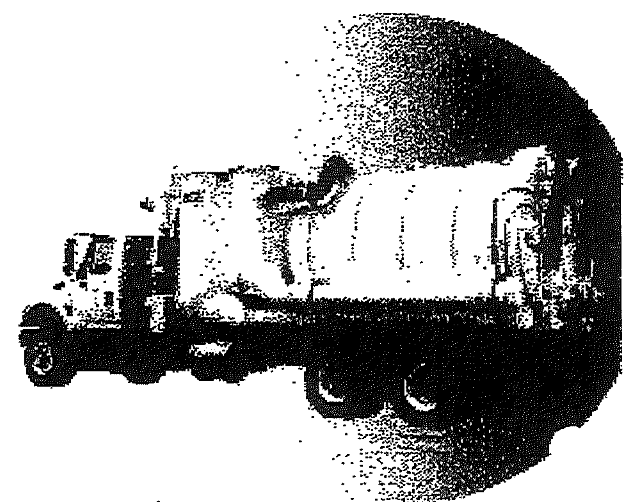
Warranty

The Guzzler is warranted against defects in [illegible]

GUZZLER

[illegible]

GUZZLER



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OCT 26 2009

New York State Dept. of Labor
Engineering Services Unit
BB 2/1 of 2

Daily Logs & Air Data

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ T. TRONNES Date: 08/26/09 Job Ticket #: 31257

Building / Location: MIDTOWN TOWER Work Area: 17TH FLOOR Shift (A) B C

Project Description

E.S.D.C. MARK SMITH
Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

CAMBRIA MARK DELPANTE
Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ 72 07/09
Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☒ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☐; Large ☒; Small ☐; Minor ☐

MJP, WPM, MAS, FIREDOORS, Sq/ft Ln/ft Project with multiple removals ☒
Type of Material

1st Check 0750 2nd Check 0915 3rd Check 1050 4th Check 5th Check
Time of air sampling pump check

Notes

- ON SITE.
- WEATHER CONDITIONS - 71° - CLOUDY - LIGHT SHOWERS.
- CAL. AND SET UP PUMPS @ 0750
- PUMP CHECK @ 0915
- BROKE DOWN PUMPS @ 1050
- BROUGHT SAMPLES TO LAB AT END OF SHIFT.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

145 LAKE AVENUE • ROCHESTER, NEW YORK 14608 • 585.454.1060 • FAX 585.454.1062

PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 10350-09

Asbestos Air Monitoring

Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Job Ticket # 31257 SM 8/27/09

10350-09

E.S.D.C.	08/26/09	MARK SMITH	
Client		**Client Contact**	**Client Contact Phone**
MIDTOWN TOWER	17TH FLOOR	T. TRONNES.	202-5733
Building/Location	**Work Area**	**Air Technician**	**Air Technician Phone**
CAMBRIA	MARK DEPANTE		
Contractor	**Contractor Contact**	**Fax Results To:**	**Fax #**
72	8231509037	MSP, WPM, MMS, FIRE DOORS	
Rotometer #	**Cassette Lot #**	**Materials to be Removed**	

Project Phase

Phase IB ☒ *Backgorunds* **Phase IIA** ☐ *Work Area Preparation* **Phase IIB** ☐ *Asbestos Handling* **Phase IIC** ☐ *Final Cleaning* **Phase IIC** ☐ *Clearance Airs* **Env.** ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	I-2	I-3	I-4	I-5	O-6	O-7	O-8	O-9	O-10	B-1	B-2
Pre-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Post-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Average Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Start Time Military Time	0750	0750	0751	0752	0753	0755	0755	0757	0757	0757		
End Time Military Time	1050	1050	1051	1052	1053	1055	1055	1057	1057	1057		
Duration (Minutes)	180	180	180	180	180	180	180	180	180	180		
Sample Volume (Liters)	630	630	630	630	630	630	630	630	630	630		

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	73 717	718	719	720	721	722	723	724	725	726	727	728
Fibers/100 Fields:	14	14	13	10	9	7	12	15	17	3.5	0	0
Fibers/cc:	.010	.010	.010	<.01	<.01	<.01	<.01	.011	.013	<.01	N/A	N/A

Samples Relinquished By:	**Date:** 08/26/09
Received in Lab By: SM	**Date:** 8-27-09
Analyzed By: SM	**Date:** 8-27-09
Microscope Make, Model & #: 22113	**Turn-around Time** Immed. 24 Hr. 48 Hr.

Comments: Verbals to Ted. SM 8-27-09 12:57pm

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ D. Perl Date: 11/5/09 Job Ticket #: 36330

Building / Location: Midtown Tower Work Area: 17th flow tent #1 Shift (A) B C
Project Description

ESDC Mark Smith
Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

Cambrian Mark D.
Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ 51
Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☒; Class II ☐; Large ☐; Small ☐; Minor ☒

P.I. Sq/ft (Lh/ft) Project with multiple removals ☐
Type of Material

1st Check 1400 2nd Check 1430 3rd Check 1500 4th Check 1530 5th Check
Time of air sampling pump check

Notes

Cal all pumps to 4 cfm
Set up pumps beginning 1333
Checked pumps often to insure operation - all good
Broke down pumps after exactly 150 mins (600L)
Submitted all samples to lab

Air Technician Signature
The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 13972-09
09/1078

Job Ticket # 36330

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

13972-09

Empire State Development Corporation — Client

Mark Smith — Client Contact

Midtown Tower — 17th floor tent #1 — Building/Location / Work Area

D Parker — Client Contact Phone: 317 7294 — Air Technician / Air Technician Phone

Cumbria — Bill — Contractor / Contractor Contact

Fax Results To: — Fax #

51 — Rotometer #

P.I. — Cassette Lot # / Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	F-1	O-2	O-1	O-2								
Pre-Calibrated Flow Rate	4	4										
Post-Calibrated Flow Rate	4	4										
Average Flow Rate	4	4										
Start Time Military Time	1333	1334										
End Time Military Time	1603	1604										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600										

Laboratory analysis Performed by: Paradigm Environmental Services. Inc. — ELAP ID # 10958

Lab Sample #	97083	084	085	086								
Fibers/100 Fields:	2	1.5	0	0								
Fibers/cc:	<.01	<.01	N/A	N/A								

Samples Relinquished By: D. Parker	Date: 11/5/09
Received in Lab By:	Date: 11-5-09
Analyzed By:	Date: 11-5-09
Microscope Make, Model & #: 221113	Turn-around Time: (Immed.) 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ D. Park Date: 11/5/09 Job Ticket #: 36330

Building / Location: Midtown Tower Work Area: 17th floor tent #2 Shift (A) B C

Project Description

ESDC mark Smith
Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

Cambria mark D.
Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ 51
Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐; Class II ☐; Large ☐; Small ☐; Minor ☒

D. F. Sq/ft Ln/ft Project with multiple removals ☐
Type of Material

1st Check 1030 2nd Check 1100 3rd Check 1130 4th Check 1200 5th Check
Time of air sampling pump check

Notes

Set up pumps @ 4lcpm @ 100 2
Checked pumps often to insure operation - Both good
Broke down pumps with 150 hours
Submitted all samples to lab for analysis

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Lab Job # 13970-09 09/1078

Job Ticket # 36330

13970-09

Empire State Development Corporation — **Client**

Mark Smith — **Client Contact** | **Client Contact Phone**

Midtown Tower — **Building/Location** | 17th floor tent #2 — **Work Area**

D. Park — **Air Technician** | 317 7294 — **Air Technician Phone**

Cambria — **Contractor** | Bill — **Contractor Contact**

Fax Results To: | **Fax #**

51 — **Rotometer #** | **Cassette Lot #**

See Air Log — **Materials to be Removed**

Project Phase

△ **Phase IB** ☐ *Backgorunds*

☐ **Phase IIA** ☐ *Work Area Preparation*

⬆ **Phase IIB** ☐ *Asbestos Handling*

⬆ **Phase IIC** ☐ *Final Cleaning*

○ **Phase IIC** ☒ *Clearance Airs*

✳ **Env.** ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	O-2	O-1	O-2								
Pre-Calibrated Flow Rate	4	4										
Post-Calibrated Flow Rate	4	4										
Average Flow Rate	4	4										
Start Time Military Time	1002	1002										
End Time Military Time	1232	1232										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600										

Laboratory analysis Performed by: Paradigm Environmental Services. Inc. — *ELAP ID # 10958*

Lab Sample #	97075	076	077	078								
Fibers/100 Fields:	5	4.5	0	0								
Fibers/cc:	<.01	<.01	N/A	N/A								

Samples Relinquished By: D. Park	**Date:** 11/5/09
Received in Lab By:	**Date:** 11-5-09
Analyzed By:	**Date:** 11-5-09
Microscope Make, Model & #: 221113	**Turn-around Time** (Immed.) 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐ D. Park
Air Technician: ☒

Date: 11/5/09 Job Ticket #: 36330

Building / Location: Midtown Tower Work Area: 17th floor tenant 3 Shift (A) B C

Project Description

ESDC — Client / Owner (Print Name)

Client / Owner Representative (Print Name)

Mark Smith — Client Contact (Print Name)

Cambria — Abatement Contractor (Print Name)

Mark D. — Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ — Map Completed

51 — Rotometer Number

Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐; Class II ☐; Large ☐; Small ☐; Minor ☒

P.I. — Type of Material

Sq/ft (Lin/ft) Project with multiple removals ☐

1st Check 1035 2nd Check 1105 3rd Check 1135 4th Check 1705 5th Check

Time of air sampling pump check

Notes

Cal Both pumps to 4 CFM
Set up pumps @ 1004
Checked pumps after to insure operation - all good
Broke down pumps after 150 mins
Submitted Samples to LCS

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 13971-09
04/1078

Job Ticket # 36330

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

13971-09

Empire State Development Corporation — Client

Mark Smith — Client Contact

Client Contact Phone: 3177294

Midtown Tower — Building/Location

17th floor tent #3 — Work Area

D. Park — Air Technician

Air Technician Phone

Chambria — Contractor

Bill — Contractor Contact

Fax Results To: P.I.

Fax #

51 — Rotometer #

Cassette Lot #

Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ Clearance Airs; * Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	F-1	O-2	B-1	B-2								
Pre-Calibrated Flow Rate	4	4										
Post-Calibrated Flow Rate	4	4										
Average Flow Rate	4	4										
Start Time Military Time	1004	1004										
End Time Military Time	1234	1234										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600	↓	↓								

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	97079	080	081	082								
Fibers/100 Fields:	3	8.5	0	0								
Fibers/cc:	<.01	<.01	N/A	N/A								

Samples Relinquished By: D. Park	Date: 11/5/09
Received in Lab By:	Date: 11-5-09
Analyzed By:	Date: 11-5-09
Microscope Make, Model & #: 22113	Turn-around Time: Immed. 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ T. TRONNES Date: 08/26/09 Job Ticket #: 31257

Building / Location: MIDTOWN TOWER Work Area: 17TH FLOOR Shift (A) B C

Project Description
~~LRB~~ E.S.D.C. MARK SMITH
Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

CAMBRIA MARK DELPANTE
Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ 72 07/09
Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☒ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒; Class II ☐; Large ☒; Small ☐; Minor ☐

MJP, WPM, MAS, FIREDOORS, Sq/ft Ln/ft Project with multiple removals ☒
Type of Material

1st Check 0750 2nd Check 0915 3rd Check 1050 4th Check 5th Check
Time of air sampling pump check

Notes

- ON SITE
- WEATHER CONDITIONS - 71° - CLOUDY - LIGHT SHOWERS.
- CAL. AND SET UP PUMPS @ 0750
- PUMP CHECK @ 0915
- BROKE DOWN PUMPS @ 1050
- BROUGHT SAMPLES TO LAB AT END OF SHIFT.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 10350-01

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Job Ticket # 31257 SM 8-27-09

E.S.D.C.	08/26/09	MARK SMITH	
Client		Client Contact	Client Contact Phone
MIDTOWN TOWER	17TH FLOOR	T. IRONNES.	202-5233
Building/Location	Work Area	Air Technician	Air Technician Phone
CAMBRIA	MARK DEPANTE		
Contractor	Contractor Contact	Fax Results To:	Fax #
72	8231509037	MSP, WPM, MAS, FIRE DOORS	
Rotometer #	Cassette Lot #	Materials to be Removed	

Project Phase — Phase IB [X] Backgorunds; Phase IIA [ ] Work Area Preparation; Phase IIB [ ] Asbestos Handling; Phase IIC [ ] Final Cleaning; Phase IIC [ ] Clearance Airs; Env. [ ]

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	I-2	I-3	I-4	I-5	O-6	O-7	O-8	O-9	O-10	B-1	B-2
Pre-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Post-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Average Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Start Time Military Time	0750	0750	0751	0752	0753	0755	0755	0757	0757	0757		
End Time Military Time	1050	1050	1051	1052	1053	1055	1055	1057	1057	1057		
Duration (Minutes)	180	180	180	180	180	180	180	180	180	180		
Sample Volume (Liters)	630	630	630	630	630	630	630	630	630	630		

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	713 717	716	714	710	721	722	723	724	725	726	727	728
Fibers/100 Fields:	14	14	13	10	9	7	12	15	17	3.5	0	0
Fibers/cc:	.010	.010	.010	<.01	<.01	<.01	<.01	.011	.013	<.01	N/A	N/A

Samples Relinquished By:	Date: 08/26/09
Received in Lab By: SM	Date: 8-27-09
Analyzed By: SM	Date: 8-27-09
Microscope Make, Model & #: 221113	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments: Vials to Ted. SM 8-27-09 12:57pm

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ D. Park
Date: 11/8/05
Job Ticket #: 36 J30

Building / Location: Midtown Tower
Work Area: 17th Floor tent #4
Shift: A B C

Project Description

ESDC
Client / Owner (Print Name)

Client / Owner Representative (Print Name)

Mark Smith
Client Contact (Print Name)

Cambria
Abatement Contractor (Print Name)

Bill
Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐
Map Completed

51
Rotometer Number

Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐; Class II ☒; Large ☐; Small ☒; Minor ☐

Type of Material: ft/ftm; Sq/ft; Ln/ft; Project with multiple removals ☐

Time of air sampling pump check:
1st Check 1500 2nd Check 1530 3rd Check 1600 4th Check 1630 5th Check

Notes

Cal all pumps to 4cfm
Set up samples beginning @ 1425
checked pumps after to insure operation - all ok
Broke down pumps after 150 mins (600c)
Submitted all samples to lab

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 13968-09
09/1078

Job Ticket # 36330

Asbestos Air Monitoring

Chain of Custody

Meets NYCRR 56 amended January 11, 2006

13968-09

Empire State Development Corporation — Client

Mark Smith — Client Contact

Midtown Tower — Building/Location: 17th floor tent #4

O. Park — Client Contact Phone: 317 7294

Cambrin — Contractor

Bill — Contractor Contact

Air Technician

Air Technician Phone

Fax Results To:

Fax #

51 — Rotometer #

Cassette Lot #

FT/FTM — Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA ☐ Work Area Preparation; ⬆ Phase IIB ☐ Asbestos Handling; ⬆ Phase IIC ☐ Final Cleaning; ○ Phase IIC ☒ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	I-2	I-3	O-4	O-5	O-6	B-1	B-2				
Pre-Calibrated Flow Rate	4	4	4	4	4	4						
Post-Calibrated Flow Rate	4	4	4	4	4	4						
Average Flow Rate	4	4	4	4	4	4						
Start Time Military Time	1423	1423	1424	1425	1426	1426						
End Time Military Time	1653	1653	1654	1655	1656	1656						
Duration (Minutes)	150	→	→	→	→	→						
Sample Volume (Liters)	600	→	→	→	→	→						

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. ELAP ID # 10958

Lab Sample #	97059	060	061	062	063	064	065	066				
Fibers/100 Fields:	1.5	3	4.5	2	7	4	0	0				
Fibers/cc:	<.01	<.01	<.01	<.01	<.01	<.01	NA	NA				

Samples Relinquished By: D. Park	Date: 11/5/09
Received in Lab By:	Date: 11-5-09
Analyzed By:	Date: 11-5-09
Microscope Make, Model & #: 221113	Turn-around Time (Immed.) 24 Hr. 48 Hr.

Comments:

White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ T. TRONNES Date: 08/26/09 Job Ticket #: 31257

Building / Location: MIDTOWN TOWER Work Area: 17TH FLOOR Shift (A) B C

Project Description

~~[illegible]~~ E.S.D.C. MARK SMITH
Client / Owner (Print Name) Client / Owner Representative (Print Name) Client Contact (Print Name)

CAMBRIA MARK DELPANTE
Abatement Contractor (Print Name) Abatement Supervisor (Print Name) NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ 72 07/09
Map Completed Rotometer Number Date of Last Calibration

Project Phase: Phase IB ☒ Backgrounds | Phase IIA ☐ Work Preparation samples | Phase IIB ☐ Asbestos Handling Samples | Phase IIC ☐ Final Cleaning Samples | Phase IIC ☐ Clearance Air Samples

Job Type: Class I ☒ | Class II ☐ | Large ☒ | Small ☐ | Minor ☐

Type of Material: MSP, WPM, MAS, FIREDOORS, Sq/ft Ln/ft Project with multiple removals ☒

1st Check 0750 2nd Check 0915 3rd Check 1050 4th Check 5th Check
Time of air sampling pump check

Notes

- ON SITE.
- WEATHER CONDITIONS - 71° - CLOUDY - LIGHT SHOWERS.
- CAL. AND SET UP PUMPS @ 0750
- PUMP CHECK @ 0915
- BROKE DOWN PUMPS @ 1050
- BROUGHT SAMPLES TO LAB AT END OF SHIFT.

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 10250-01

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

Job Ticket # 31257 SM 8-28-09

E.S.D.C. — 08/26/09
Client

MIDTOWN TOWER — 17TH FLOOR
Building/Location — **Work Area**

CAMBRIA — MARK DEPANTE
Contractor — **Contractor Contact**

72 — 8231509037
Rotometer # — **Cassette Lot #**

MARK SMITH — T. IRONNES. — 202-5233
Client Contact — **Client Contact Phone** — **Air Technician** — **Air Technician Phone**

Fax Results To: — **Fax #**

MSP, WPM, MMS, FIRE DOORS.
Materials to be Removed

Project Phase

Phase IB [X] *Backgorunds* **Phase IIA** [ ] *Work Area Preparation* **Phase IIB** [ ] *Asbestos Handling* **Phase IIC** [ ] *Final Cleaning* **Phase IIC** [ ] *Clearance Airs* **Env.** [ ]

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	I-2	I-3	I-4	I-5	O-6	O-7	O-8	O-9	O-10	B-1	B-2
Pre-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Post-Calibrated Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Average Flow Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		
Start Time Military Time	0750	0750	0751	0752	0753	0755	0755	0757	0757	0757		
End Time Military Time	1050	1050	1051	1052	1053	1055	1055	1057	1057	1057		
Duration (Minutes)	180	180	180	180	180	180	180	180	180	180		
Sample Volume (Liters)	630	630	630	630	630	630	630	630	630	630		

Laboratory analysis Performed by: Paradigm Environmental Services, Inc. — *ELAP ID # 10958*

Lab Sample #	713 717	716	714	720	721	722	723	724	725	726	727	728
Fibers/100 Fields:	14	14	13	10	9	7	12	15	17	3.5	0	0
Fibers/cc:	.010	.010	.010	<.01	<.01	<.01	<.01	.011	.013	<.01	N/A	N/A

Samples Relinquished By:	**Date:** 08/26/09
Received in Lab By: SM	**Date:** 8-27-09
Analyzed By: SM	**Date:** 8-27-09
Microscope Make, Model & #: 221113	**Turn-around Time** Immed. 24 Hr. 48 Hr.

Comments: Values to Ted. SM 8-27-09 12:57pm

ENVOY
environmental consultants, inc.

Air Sampling Log Book

As per 12NYCRR amended January 11, 2006

Project Monitor: ☐
Air Technician: ☒ D. Park

Date: 11/5/09 Job Ticket #: 36330

Building / Location: Midtown Tower Work Area: 17th floor tent #5 Shift (A) B C

Project Description

ESDC
Client / Owner (Print Name)

Client / Owner Representative (Print Name)

mark Smith
Client Contact (Print Name)

Cambria
Abatement Contractor (Print Name)

mark D.
Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐
Map Completed

51
Rotometer Number

Date of Last Calibration

Project Phase: Phase IB ☐ Backgrounds; Phase IIA ☐ Work Preparation samples; Phase IIB ☐ Asbestos Handling Samples; Phase IIC ☐ Final Cleaning Samples; Phase IIC ☒ Clearance Air Samples

Job Type: Class I ☐; Class II ☐; Large ☐; Small ☒; Minor ☐

Type of Material: Mastic Sq/ft Ln/ft Project with multiple removals ☐

1st Check 1030 2nd Check 1100 3rd Check 1130 4th Check 1200 5th Check
Time of air sampling pump check

Notes

Cal All pumps to 4 LPM
Set up pumps beginning @ 0951
checked all samples after to insure operation - all good
Broke down pumps @ 1221 (150 mins)
Submitted all samples to LLS

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Lab Job # 13969-09
04/1078

Job Ticket # 36330

Asbestos Air Monitoring
Chain of Custody

Meets NYCRR 56 amended January 11, 2006

13969-09

Empire State Development Corporation — Client

Midtown Tower 17th floor tent #5 — Building/Location

Work Area

Cambria — Contractor

Bill — Contractor Contact

51 — Rotometer #

Cassette Lot #

Mark Smith — Client Contact

D. Park — Air Technician

Client Contact Phone: 317 7244

Air Technician Phone

Fax Results To:

Fax #

Mastic — Materials to be Removed

Project Phase: △ Phase IB ☐ Backgorunds; ☐ Phase IIA Work Area Preparation; ⬆ Phase IIB Asbestos Handling; ⬆ Phase IIC Final Cleaning; ○ Phase IIC ☒ Clearance Airs; ✳ Env. ☐

Field Data and Sampling Provided By: Envoy Environmental Consultants, Inc.

Field Sample #	I-1	I-2	I-3	O-4	O-5	O-6	B-1	B-2				
Pre-Calibrated Flow Rate	4	4	4	4	4	4						
Post-Calibrated Flow Rate	4	4	4	4	4	4						
Average Flow Rate	4	4	4	4	4	4						
Start Time Military Time	0451	0451	0452	0454	0455	0455						
End Time Military Time	1221	1221	1222	1224	1225	1225						
Duration (Minutes)	150	→	→	→	→	→						
Sample Volume (Liters)	600	→	→	→	→	→						

Laboratory analysis Performed by: Paradigm Environmental Services. Inc. ELAP ID # 10958

Lab Sample #	97067	068	069	070	071	072	073	074				
Fibers/100 Fields:	3	5	3.5	0.5	9	8	0	0				
Fibers/cc:	<.01	<.01	<.01	<.01	<.01	<.01	n/a	n/a				

Samples Relinquished By: D. Park	Date: 11/5/09
Received in Lab By:	Date: 11-5-09
Analyzed By:	Date: 11-5-09
Microscope Make, Model & #: 221113	Turn-around Time: (Immed.) 24 Hr. 48 Hr.

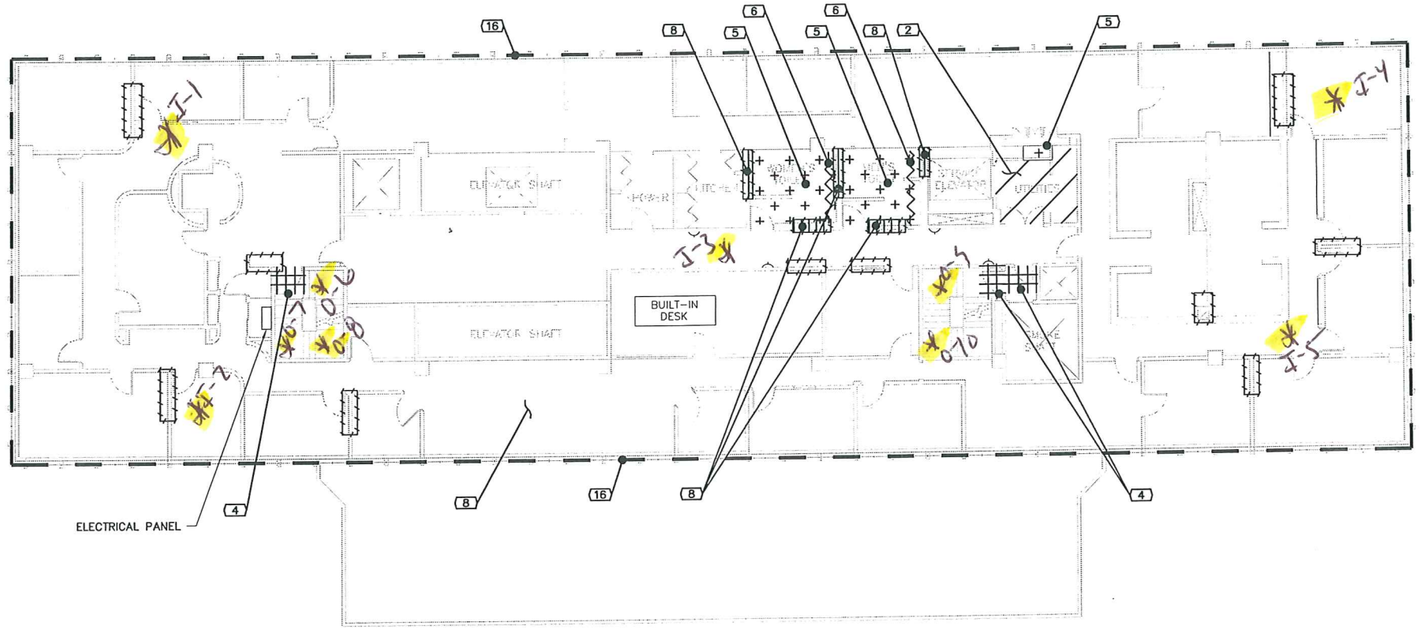
Comments:

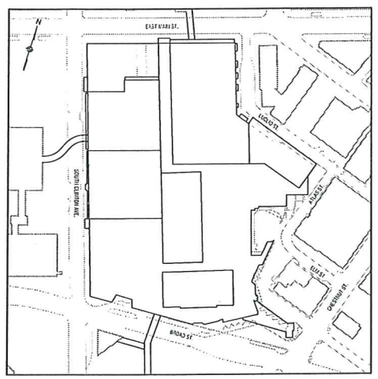
White - Lab Original Yellow - Lab Copy Pink - Project Folder Goldenrod - Technician

Sample Locations & Maps

16th floor
Background Air Samples
* Sample location

N





KEY PLAN
N.T.S.

SIXTEENTH FLOOR ASBESTOS ABATEMENT SCHEDULE		
	ASBESTOS CONTAINING MATERIAL TO BE REMOVED AND DISPOSED	QUANTITY
2	FLOOR TILE/MASTIC	200 SF
4	FIRE DOORS	4 EACH
5	WATERPROOF MEMBRANES	550 SF
6	MIRROR MASTIC	700 SF
8	FITTINGS ON FIBERGLASS PIPE INSULATION	90 EACH
16	WINDOWS	98 EACH

LEGEND:
PIPE CHASE

GENERAL NOTES:

1. THE INFORMATION IN THESE DRAWINGS ARE FOR GUIDANCE PURPOSES ONLY. THEY MAY NOT REPRESENT ACTUAL AS-BUILT DIMENSIONS AND SIZES. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR IF THE INFORMATION PROVIDED IN THE PLAN VARIES WITH THE EXISTING CONDITIONS.

2. PIPE CHASES ARE SHOWN AT APPROXIMATE LOCATIONS. NOT ALL PIPE CHASES ARE SHOWN. THE CONTRACTOR SHALL PERFORM SELECTIVE DEMOLITION AS NECESSARY TO EXPOSE ALL PIPING OR OTHER ACM MATERIAL OR AS DIRECTED BY THE PROJECT MONITOR TO VERIFY THE PRESENCE/ABSENCE OF ACM. EXPLORATORY WORK AND SELECTIVE DEMOLITION COST SHALL BE INCLUDED IN THE CONTRACTORS BASE BID PRICE.

3. ALL REMAINING BUILDING FURNISHINGS, INTERNAL COMPONENTS DEBRIS, AND ALL ITEMS LEFT BY THE OWNER SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. NOT ALL ITEMS ARE SHOWN.

4. THE CONTRACTOR SHALL PROVIDE A LICENSED ELECTRICIAN TO EVALUATE, DE-ENERGIZE AND REROUTE ELECTRICAL DISTRIBUTION LINES NECESSARY SO THAT ASBESTOS ABATEMENT AND DEMOLITION ACTIVITIES CAN OCCUR WITHOUT THE INTERRUPTION OF ELECTRICAL SERVICE TO OTHER PORTIONS OF THE SITE. ALL ELECTRICAL WORK SHALL BE INCLUDED IN THE CONTRACTORS LUMP SUM BID.

5. ALL TEMPORARY ELECTRICAL PANELS AND WIRING REQUIRED BY THE CONTRACTOR FOR HIS EQUIPMENT AND WORK AREA LIGHTING SHALL BE INCLUDED IN THE CONTRACTOR LUMP SUM BID.

6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL INTERIOR CEILINGS, WALLS AND PARTITIONS. THE CONTRACTOR SHALL NOTE THAT NUMEROUS INTERIOR WALLS HAVE BEEN FILLED WITH A LOOSE VERMICULITE WALL INSULATION. ALL MATERIALS AND DEBRIS DEMOLISHED OR REMOVED BY THE CONTRACTOR SHALL BE DISPOSED OF AS ACM OR SHALL BE DECONTAMINATED AND DISPOSED OF AS C&D MATERIALS.

7. HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS ARE PRESENT THROUGHOUT THE ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS SURVEY FOR DESCRIPTIONS AND QUANTITIES TO BE REMOVED AND DISPOSED OF. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL HOUSEHOLD, UNIVERSAL AND HAZARDOUS MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS.

8. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE AC UNITS AND TRANE CLIMATE CHANGE UNITS AND ALL ASSOCIATED PIPING, DUCT WORK, GAUGES AND EQUIPMENT AS NECESSARY TO PERFORM THE WORK. ALL REMOVED EQUIPMENT SHALL BE DECONTAMINATED OF ALL CFC's, GREASE AND OTHER CONTAMINATES PRIOR TO DISPOSAL.

ASBESTOS ABATEMENT NOTES:

(2) FLOOR TILE/MASTIC ABATEMENT AND REMOVAL SHALL INCLUDE THE ABATEMENT, REMOVAL AND DISPOSAL OF ALL FLOOR SURFACING MATERIALS INCLUDING CARPET, CARPET MASTIC, FLOOR TILE, FLOOR TILE MASTIC AND OTHER SURFACING MATERIALS. THE LOCATIONS SHOWN FOR FLOOR TILE/MASTIC ARE LOCATIONS WHERE FLOOR TILE IS KNOWN TO EXIST. OTHER LOCATIONS OF FLOOR TILE MAY EXIST. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FLOOR SURFACING MATERIALS TO EXPOSE THE SUBSTRATE. THE QUANTITY FOR ABATEMENT INCLUDES THE ABATEMENT OF FLOOR TILE/MASTIC INCLUDING ANY AND ALL SURFACING MATERIALS.

(5) THE WATERPROOF MEMBRANE IS LOCATED BENEATH EXISTING TILE FLOORING AND FLOORING COMPONENTS. THE CONTRACTOR SHALL REMOVE ALL FLOORING SURFACES REQUIRED TO ACCESS THE WATERPROOF MEMBRANE. ALL MATERIAL REMOVED AS PART OF THIS WORK SHALL BE DISPOSED OF AS ACM.

(6) MIRRORS ARE INSTALLED THROUGHOUT THE FLOOR LEVEL ON WALLS, COLUMNS, ETC. NOT ALL MIRRORS ARE SHOWN. THE MIRROR MASTIC ASSOCIATED WITH THE MIRRORS IS ACM. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL MIRRORS AS ACM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO REMOVE AND DISPOSE OF THE MIRRORS AND THE MIRROR MASTIC IN ACCORDANCE WITH NYSDOL ICR 56. ALL SUBSTRATES CONTAINING MIRROR MASTIC SHALL BE DECONTAMINATED TO THE SATISFACTION OF THE PROJECT MONITOR. SHOULD THE SUBSTRATE NOT BE CLEANABLE AS DETERMINED BY THE PROJECT MONITOR THEN THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SUBSTRATE AS ACM AT NO ADDITIONAL COST TO THE CONTRACT.

(8) PIPING RUNS ARE CONTAINED WITHIN WALLS, PIPE CHASES AND ABOVE SUSPENDED CEILING THROUGHOUT ENTIRE FLOOR LEVEL. THE CONTRACTOR SHALL REMOVE ALL CEILINGS AND PERFORM ALL PREABATEMENT DEMOLITION NECESSARY TO EXPOSE ALL PIPING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A PREABATEMENT DEMOLITION PLAN PROPOSING THE MEANS AND METHODS FOR PREABATEMENT DEMOLITION ACTIVITIES AND PROCEDURES TO ENSURE ACM IS NOT DISTURBED DURING DEMOLITION ACTIVITIES. ALL DEBRIS GENERATED BY THE CONTRACTOR DURING DEMOLITION ACTIVITIES SHALL BE REMOVED AND DISPOSED OF.

Scale: 0 10 20 Ft.

NO.	DATE	DESCRIPTION
1	1/30/09	BID DOCUMENTS

REVISIONS

STATE OF NEW YORK · MARTIN J. WESOLOWSKI · LICENSED PROFESSIONAL ENGINEER · NO. 071236

LiRo Engineers, Inc.
680 Delaware Ave.
Buffalo, New York

PROJ. ENG.:	M.J.W.
DESIGNED BY:	M.J.W.
CHECKED BY:	R.F.K.
DRAWN BY:	A.M.K.
DATE:	JANUARY 2009
SCALE:	1" = 10'

CLIENT: Empire State Development
400 Andrews Street, Suite 100
Rochester, New York 14604-1409

JOB TITLE AND LOCATION:
MIDTOWN TOWER
MIDTOWN PLAZA COMPLEX
ROCHESTER, NEW YORK

DRAWING TITLE:
16TH FLOOR
ASBESTOS ABATEMENT PLAN

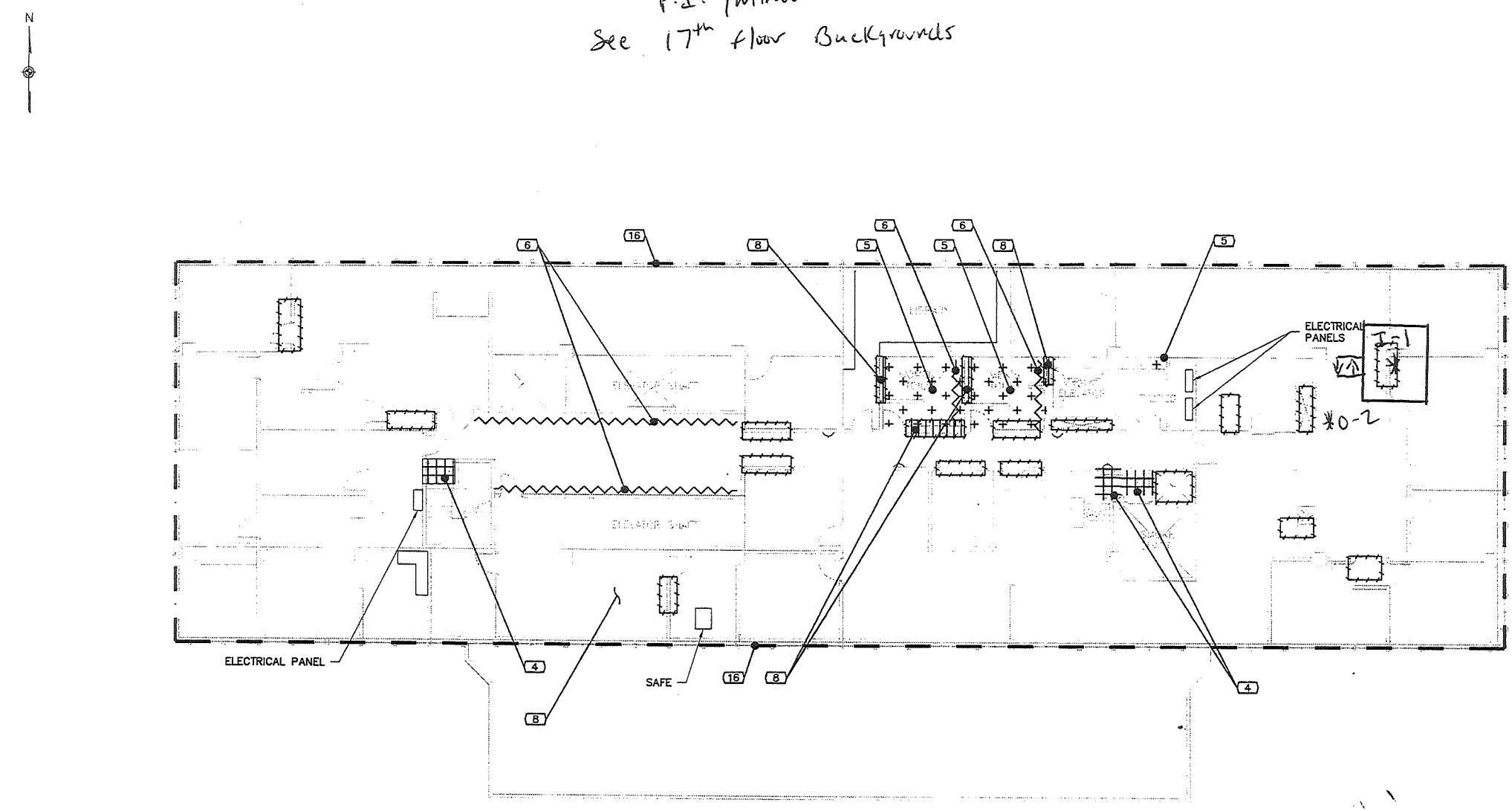
LIRO JOB NO.: 08-21-104
SHEET OF 14 17
FIGURE NO. MT-A14

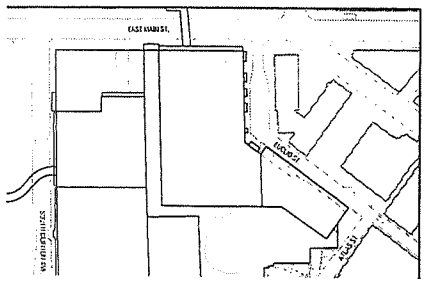
J:\08\21104 - Midtown Plaza\CAD\CAMENU\MIDTOWN TOWER ACM.DWG, 4/1/2009 2:06:01 PM, AMK

17th floor Tent #1

P.I. / minor

See 17th floor Backgrounds



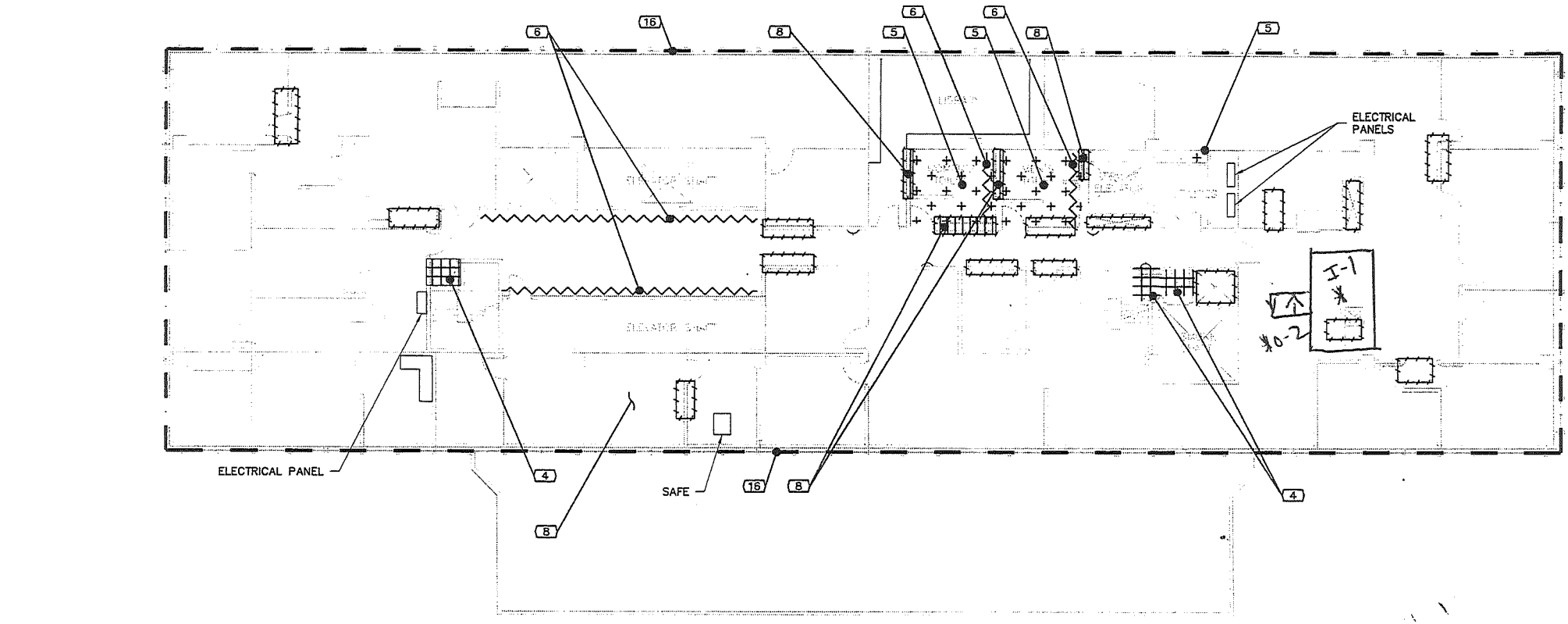


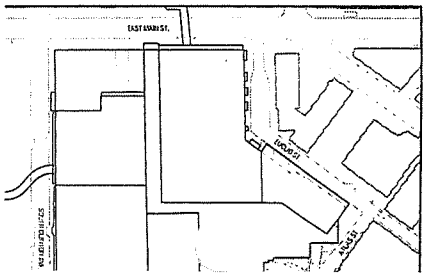
17th floor Tent #2

P.I. (mirror)

See 17th floor Backgrounds

* finals 11/5/01



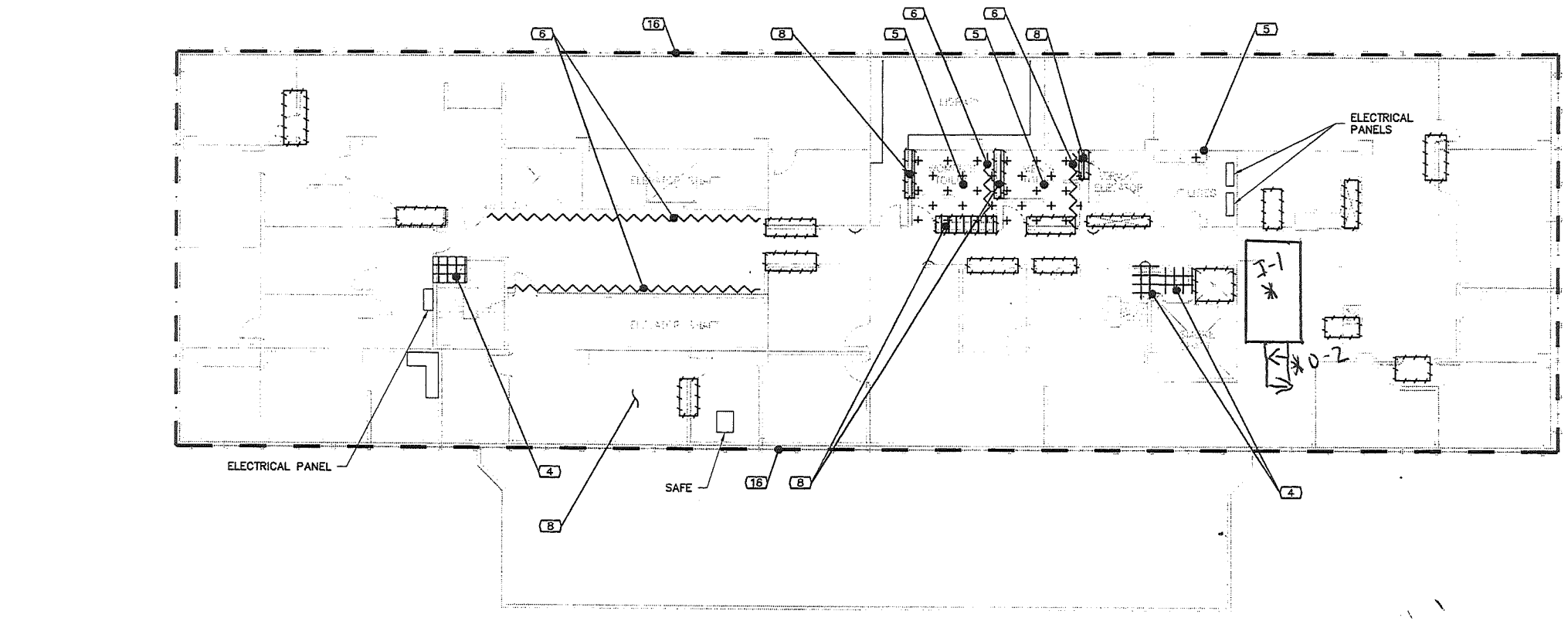


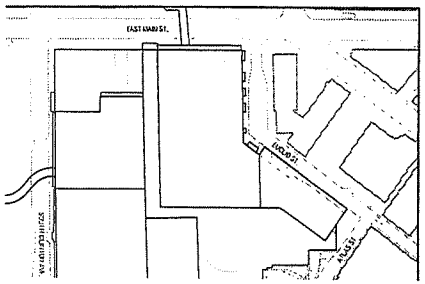
17th floor Tent #3

P.I - (minor)

See 17th floor backgrounds

* finals 11/5/09



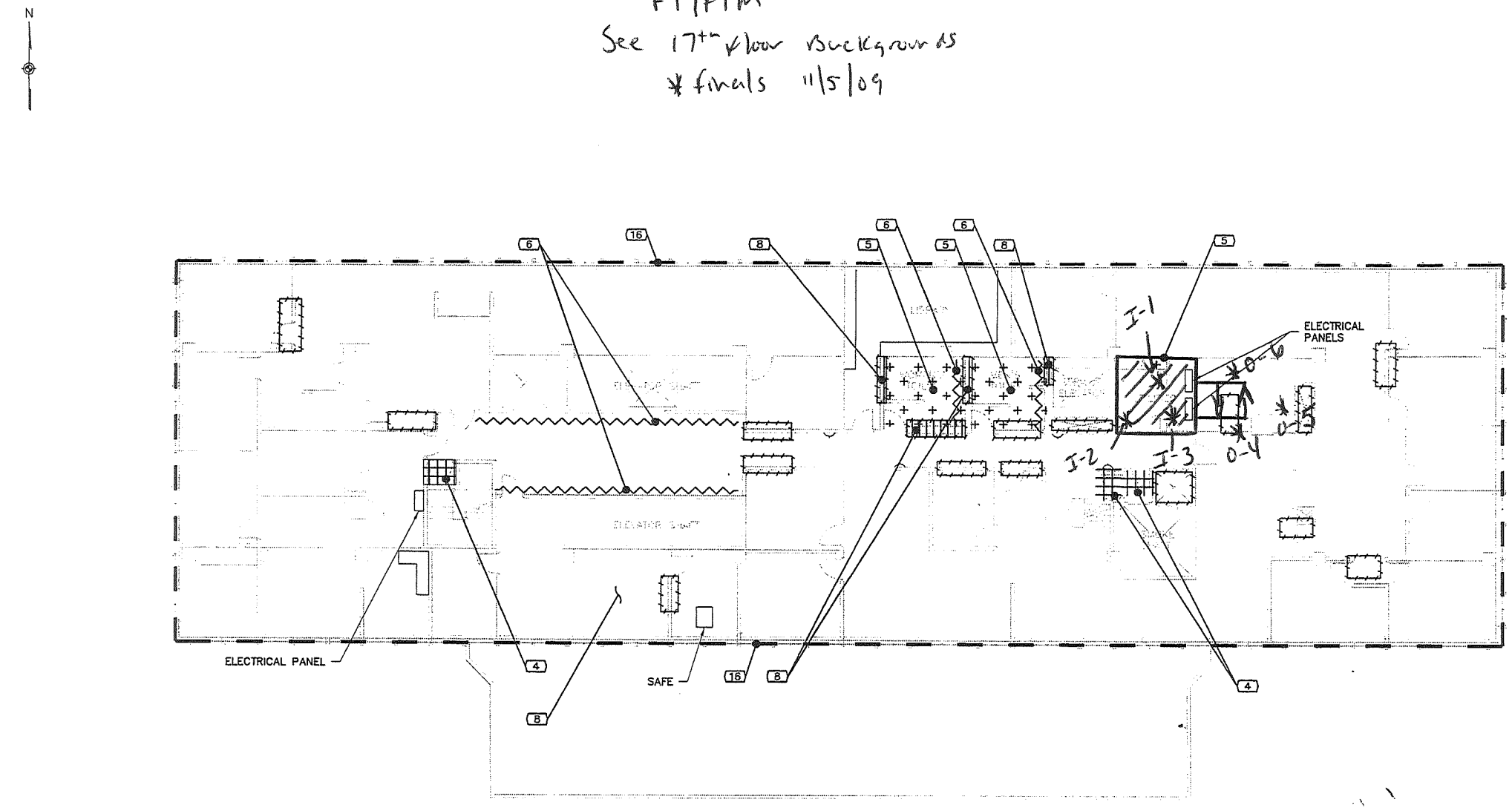


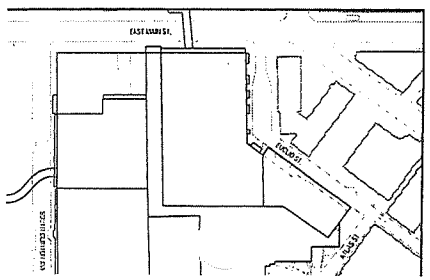
17th Floor Tent #4

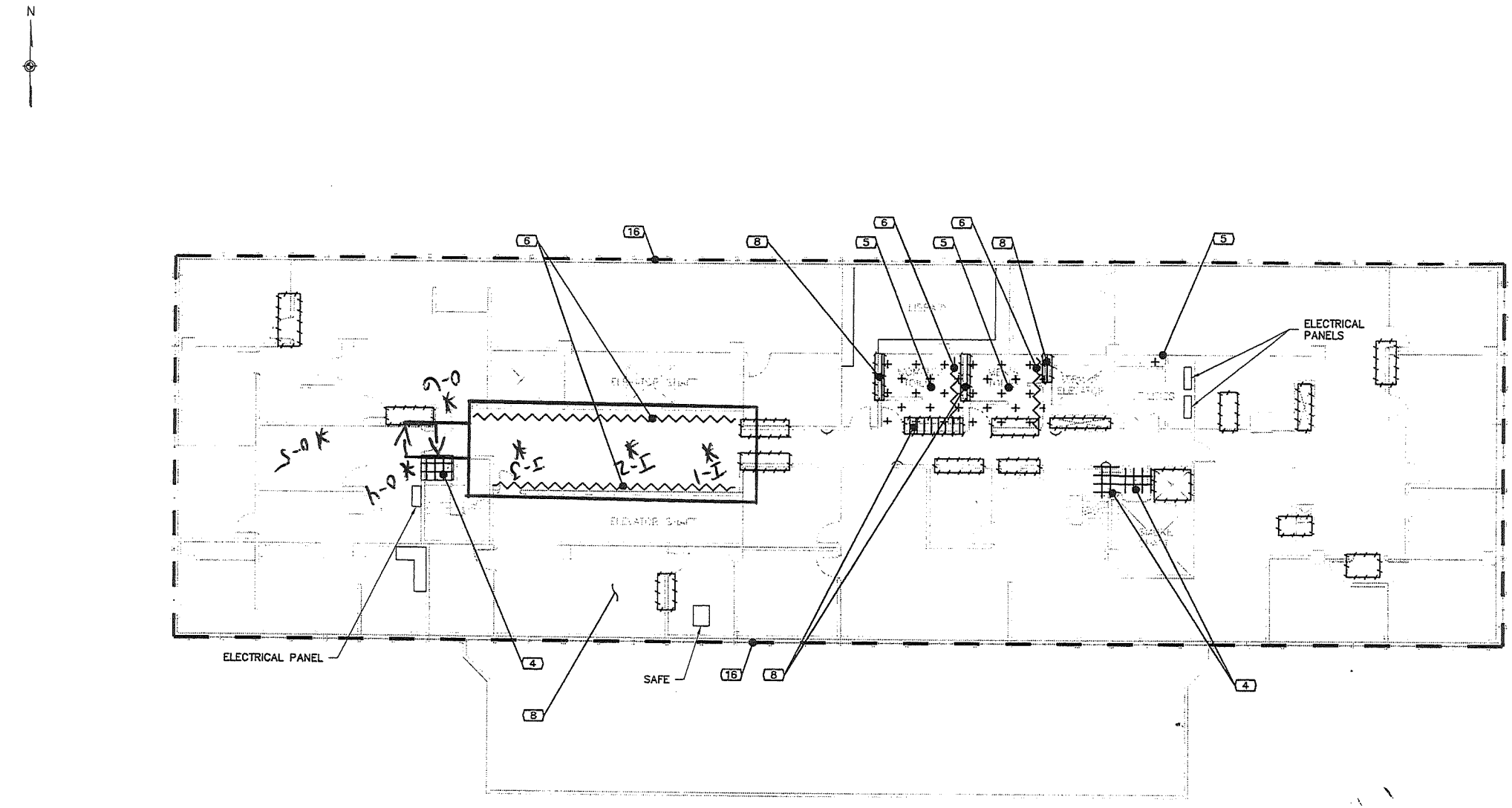
FT/FTM

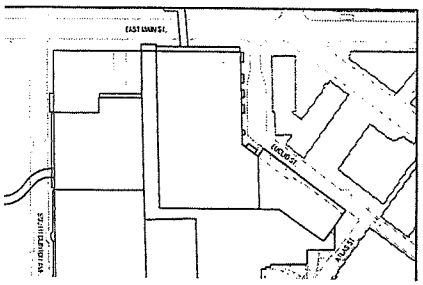
See 17th Floor Backgrounds

* finals 11/5/09






N
ELECTRICAL PANELS
ELECTRICAL PANEL
SAFE
I-1
I-2
I-3
2'-0"
5'-0"
4'-0"


EAST MAIN ST.

P.M. Logs & FVI
Misc. Sampling

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: TED TRONNES	**DATE:** 08/26/09
Contract #	**Liro Job #:**
HOURS: 0700 - 1530	**TASK:** P.M.

TIME	ACTIVITY
0700	ON SITE. Met w/ DARRYL AND MARK FOR UPDATES
	AND WORK FOR DAY.
0800	WORKERS ON 11TH thru 13TH FLOORS TAKING OUT WALLS AND ANYMORE
	MOVABLE DEBRIS. UNION WORKERS ON 2ND FLOOR MALL STILL DOING SELECTIVE
	DEMO AND ON 1ST TAKING OUT LIGHT BULBS.
↑	RUNNING BACKGROUNDS ON 17TH FLOOR. WILL SETUP 16TH AFTER 17TH FLOOR
1000	WORK GOING GOOD ON 11TH thru 13TH FLOORS. ONLY CONCERN IS
	THAT SOME CEILINGS AREA ARE BOWING DOWN IF TO
	MANY METAL STUD ARE REMOVED. TOLD DARRYL AND BILL B.
	OF MY CONCERNS. - CHRIS ON SITE FOR DESK AND OFFICE
	FURNITURE FOR OFFICE ACROSS STREET. HELPED MOVE A COUPLE
	CHAIRS OVER AND POINTED OUT SOME EMPTY FILING CABINETS
	FOR ACROSS STREET OFFICE.
1300	WORKER REMOVING BULBS ON 1ST FLOOR EAST SIDE OF MALL. NO CONCERNS.
↑	AIR SAMPLES ON 17TH FINISHED AND 16TH SET UP.
1415	BROKE DOWN 16TH AIR SAMPLES. BACK TO CHECKING MALL AREA
	FOR HAZ. MATS.

1530 OFF SITE.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Dave Parker	*DATE: 11/3/09*
Contract #	*Liro Job #:*
HOURS: 0700-1730	*TASK: PM*

TIME	*ACTIVITY- Midtown Tower*
0700	On site set up all air samples for 12th, 13th and 14th floor. Samples are set up at 3 LPM and are in the same locations as previously stated. Air samples are no longer needed on the 15th floor SE area.
0800	On 17th floor to check work areas and materials. Tents will be labeled east to west beginning with tent #1 and on the east side of the floor (see floor map for details). While on floor I quantified materials and will give all numbers to Ted Tronnes.
0900	Currently there are 5 workers on the 17th floor. In the 12th, 13th and 14th floor area there are currently 9 workers on the 14th floor cleaning ceiling and beams. On the 13th floor there are 2 workers cleaning same areas and on the 12th floor there are 12 workers cleaning ceiling and beams as well.
0925	Set up final air samples on the 15th floor after completing final visual inspection. All final visuals have passed and air samples will be run at 4 LPM and ran for 150 minutes for a total of 600 liters of air.
1000	There are now 6 workers on the 17th floor. Workers are finished building tents and begin removing shortly. Crews will be utilizing glove bag operations for all pipe fitting areas. The 15th floor decon will be used as a remote decon for all tents on 15th, 16th and 17th floor.
1130	While on 17th floor Sergiy showed me the tent that is to be used to remove floor membrane (tent #5). Crew has checked multiple areas approx. 1 ½ inches below floor top and have not been able to locate any membrane. I spoke with Darryl who agreed that there is not a membrane underneath the restroom floor on the 17th floor. This tent will be taken down and will no longer require and inspection or air samples. There are now only 5 tents on 17th floor. Tent #6 will now be tent # 5.
1155	Final air samples for the 15th floor SE area have been broken down and will be submitted to Paradigm shortly.
1230	Lunch and paperwork.
1330	Inspected all waste leaving area. On the 15th floor crew had 5 boxes of ACM waste taken out and on the 12th, 13th and 14th floor there are 4 boxed of ACM waste being taken out. All boxes were properly sealed and labeled. No visible leaks or emissions were spotted in my inspection of Gaylord boxes. All boxes have been brought to Wegman's loading dock and stored in waste trailer.
1500	Spoke with Mark D. and Sergiy about the crews' plans for 15th, 16th and 17th floor. The crew will begin removal of tents on the 17th floor and work there way down to the 15th. They should take approx. 1 day to remove and clean on each floor with some workers prepping tents on the floor below in order to stay ahead. Minor glove bag tents used to remove pipe fittings will have a 2 hour wait time and tents with floor tile and mastic will have a 4 hour wait time. Any

	friable projects such as the ceiling plaster on the 15th floor will require a small project decon and a 12 hour wait time. I feel confident with the crews plan and we should be able to have all 3 floors (15th, 16th and 17th) cleared of asbestos in about 1 week.
1615	Final air samples for the 15th floor SE area have passed. I notified Mark D. about results of final airs. Crew is beginning to break down area now. Decon will stay in place and be used as a remote decon for all tents on the 15th, 16th and 17th floor. Crew has properly caution taped path to floors above. While on the 15th floor I post inspected area to insure no asbestos was left behind in area. Area looked good and I have no concerns with any debris left behind.
1700	Began to break down all air samples for 12th, 13th and 14th floor. All pumps are still running at 3 LPM. Samples will be submitted to Paradigm on my way home.
1730	Off site.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Dave Parker	*DATE: 11/4/09*
Contract #	*Liro Job #:*
HOURS: 0700-1730	*TASK: PM*

TIME	*ACTIVITY- Midtown Tower*
0700	On site/ set up all air samples for 12th, 13th and 14th floor. All pumps were set up at 3 LPM. Samples are in same locations as previously stated.
0800	Checked location of all workers and what they are doing. Workers in the 12th, 13th and 14th floor area are all continuing with the cleaning phase. There are currently 12 workers on the 13th floor and 9 workers on the 12th floor. Currently there is one worker outside containment helping with supplies.
	On the 17th floor there are 3 workers removing elbows in minor tents on the. On the 16th floor there are currently 4 workers prepping tents to be used to remove materials. Workers should finish tents on the 17th floor shortly after lunch and final visual inspections will be completed after appropriate wait time.
1000	Inside 12th, 13th and 14th floor area to inspect cleanliness. Pointed out areas that will need to be further addressed. Areas were same as previously stated i.e. pigeon holes, bolts and beams that run opposite pigeon holes. Area is looking good and is approx. 80% completely finished.
1200	Checked manometer to insure area is getting proper negative pressure. Manometer is currently reading -0.048.
1230	Lunch and paperwork.
1400	5 tents on 17th floor are now complete with removal and final clean. 3 of 5 tents have a 2 hour wait time. 1 tent has a 4 hour wait and the last tent has a 12 hour wait time. Visual inspections will be complete tomorrow and will be followed by final air samples.
1445	Crew from 17th floor has moved down to 16th floor to assist with building tents. Crews in 12th, 13th and 14th floor have stayed on same floors thru the duration of the day.
1535	Inspected all Gaylord boxes containing ACM. 24 bags were removed from 15th floor waste out and 6 boxes were unloaded from 12th, 13th and 14th floor. All boxes and bags have been properly sealed and labeled. No visible leaks or emissions were found in my inspection of boxes and bags.
1700	Began breaking down all air samples. Pumps are still running at 3 LPM. Samples will be submitted to Paradigm on my way home.
1730	Off site.

LiRo Engineers, Inc.

Midtown Plaza Complex Asbestos Abatement
Daily Summary Report

NAME: Dave Parker	***DATE: 11/5/09***
Contract #	***Liro Job #:***
HOURS: 0700-1730	***TASK: PM***

TIME	***ACTIVITY- Midtown Tower***
0700	On site/ set up all phase IIB air samples for 12th, 13th and 14th floor at 3 LPM. All samples are set up in same locations as previously stated.
0800	Check location of workers and work being completed. On the 16th floor there are 7 workers removing ACM in tents. On the 16th floor there are 7 tents being used to remove all materials. On the 15th floor there are 4 workers prepping tents to be used to remove remaining materials on the 15th floor. In the 12th, 13th and 14th floor area there are currently 2 workers on the 13th floor continuing with clean phase. On the 12th floor there are 12 workers also continuing with clean phase.
	Today workers are beginning to build a decon to be used for the 9th and 10th floor. Crew of 2 has begun to build frame of decon. Decon will not be able to be used for the 11th floor. The 11th floor contains the decon unit for 12th, 13th and 14th floor. The crew cannot remove material on the 11th floor until the 12th, 13th and 14th floor has final air sample results.
0900	Visual inspections were complete with Darryl. Tents #1 and #4 need further cleaning. Crew back in these tents immediately to clean up tents. Tents # 2, 3 and 5 have all passed. Final air samples for tents 2, 3 and 5 will be started shortly. Final air samples for tents #1 and #4 will be ran today after proper wait time. Wait times will start when crew is done with clean up.
1000	All air samples for tent #2, tent #3 and tent #5 were all set up beginning at 0957 and finished setting up samples at 1005. Samples were set up at 4 LPM and will be ran for 150 minutes for a total of 600 liters of air.
1020	Crew has finished clean up of tent #1 and tent #4 and wait times will begin. Tent # 1 has a 4 hour wait time and tent #4 has a 2 hour wait time. I will begin final air samples for these tents at approx. 1400. All samples will be completed and submitted to lab by the end of the day.
1230	Broke down final air samples on 17th floor, all samples were submitted to lab by the end of the day.
1300	Lunch and paperwork.
1400	Inspected all ACM waste being loaded out of the areas. 65 bags and 6 boxes of waste have been loaded out from the 15th floor and 5 boxes have been loaded out from the 12th, 13th and 14th floor. All boxes and bags have been properly sealed and labeled. No visible leaks or emissions were found on any waste containing bag or box. All waste was loaded into the trailer at the Wegman's loading dock.
1530	Workers on the 16th floor have finished removing in tents. Workers will final clean for remainder of day and possibly into tomorrow. Crew will move to 15th floor tomorrow. 7 tents on 16th floor will have visual inspections complete tomorrow morning.
1615	Spoke with Mark D. and Sergiy for plan on removal of ceiling plaster remaining on 15th floor. Crew needs to have an attached decon for this area because it is a small area with friable

	material. The crew was going to use the remote decon and add a tunnel to the area but this cannot be done while the crew is using the decon as a remote decon for tent removal. Crew agreed to build a small project decon attached to both areas containing ceiling plaster to make 1 small ceiling plaster area.
1700	Began breaking down air samples for 12th, 13th and 14th floor. All pumps are still running at 3 LPM. Samples will be submitted to Paradigm on my way home.
1730	Off site.

Envoy Environmental Consultants Inc.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: Midtown Tower 17th flow tent #1 Job Ticket # 36370

Project Description: ESDC | Work Area

Client//Owner (Print Name): Cumbria | Client/Owner Representative (print name): MARK DELAWIE | Client Contact (Print Name): Mark Smith

Abatement Contractor: | Supervisor (print name): MARK DELAWIE | NYSDOL Asbestos Handling Certificate Number: 09-13704

Yes ☒ No ☐ | Supervisors Visual inspection Completed? | Supervisor Completing Visual Inspection (print name): MARK DELAWIE | NYSDOL Asbestos Handling Certificate Number: 09-13704

Project Monitor (Print Name): Dave Park | NYSDOL Asbestos Handling Certificate Number: 08-10920 | Date/Time: 11/5/09

Site Emergency Phone: 911

Job Type: Class I ☒ Class II ☐ | Wait period duration: 1 hours | End Time of Final Clean: minor ☒

Job Size: Large ☐ Small ☐ | Material P.I. | Sq 60 Ft

Project Monitor Visual Inspection Checklist | Project with Multiple Removals ☐

Section A ☐ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☑	☐	☐
2. Knife or pointed object	☐	☐	☐
3. Respirator	☐	☐	☐
4. Hard Hat	☑	☐	☐
5. Safety Glasses	☐	☐	☐
6. Tyvex Suit	☑	☐	☐
7. Gloves	☑	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☑	☐	☐
9. Inspect at Close Range	☑	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☑	☐	☐
11. Light Fixtures	☐	☐	☑
12. Ductwork	☐	☐	☑
13. Elevated Horizontal Surfaces	☑	☐	☐
14. Pipes	☑	☐	☐
15. Ceiling Grids/Sprinkler Heads	☑	☐	☐
16. Conduits	☐	☐	☑
17. Hauserman Channels	☐	☐	☑
18. Floor and Wall Penetrations	☑	☐	☐
19. Creases & Folds in Criticals	☑	☐	☐
20. Walls & Corners	☑	☐	☐
21. Floors	☑	☐	☐

Section B ☐ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☑	☐	☐
23. No Visible Pools of Liquid	☑	☐	☐
24. No condensation	☑	☐	☐
25. All Isolation Barriers intact	☑	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☑	☐	☐
27. No Visible Pools of Liquid	☑	☐	☐
28. No condensation	☑	☐	☐
29. All Isolation Barriers intact	☑	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☑	☐	☐
31. No condensation	☑	☐	☐
32. All Criticals intact	☑	☐	☐
33. All Isolation Barriers Intact	☑	☐	☐
34. No Unremoved Materials	☑	☐	☐
35. No Visible Debris	☑	☐	☐
36. No Visible Dust	☑	☐	☐
37. Examine Contractor Equipment	☑	☐	☐
38. Negative Air in Operation	☐	☐	☑
39. No Debris or Water under Plastic	☑	☐	☐
40. Completeness of Abatement**	☑	☐	☐
41. Completeness of Clean-up**	☑	☐	☐

Section C ☐ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☐	☐	☑
43. Verbal Scope of Work (see below)	☑	☐	☐
44. Supervisor Present	☑	☐	☐
45. Wait period observed	☑	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☑	☐	☐
46. Sign into work area	☑	☐	☐
47. Sign out of work area	☑	☐	☐
48. Entry into Supervisors Log	☑	☐	☐
49. Detail Findings	☑	☐	☐
50. Enter Full Name	☑	☐	☐
51. Enter AH Cert. Number	☑	☐	☐
52. Worker Present	☑	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
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	☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Verbal Scope given by Sergiy from Cumbria. Crew is to remove all P.I. via glovebag as per Local rule 56.

Supervisors Signature: [signature] Date/Time:

Project Monitor Signature: [signature] Date/Time: 11/5/09

PASS ☒ , Area Cleared to proceed with Clearance Airs | **FAIL** ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: | On Date: | By:

Envoy Environmental Consultants Inc.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: Midtown Tower 17th flow tent #2 Job Ticket # 36330
Project Description / Work Area

ESDC — Client/Owner (Print Name)
Mark Smith — Client Contact (Print Name)
Client/Owner Representative (print name)

Cumbria — Abatement Contractor:
X Mark DeFranco — Supervisor (print name)
X 09-13704 — NYSDOL Asbestos Handling Certificate Number

Yes ☑ No ☐ — Supervisors Visual inspection Completed?
X Mark DeFranco — Supervisor Completing Visual Inspection (print name)
X 09-13704 — NYSDOL Asbestos Handling Certificate Number
Date/Time

Dave Park — Project Monitor (Print Name)
08-10920 — NYSDOL Asbestos Handling Certificate Number
11/5/09 — Date

Site Emergency Phone: 911

Job Type: Class I ☐ Class II ☐ — 2 hours — Wait period duration — End Time of Final Clean

Job Size: Large ☐ Small ☐ — Minor ☒ — Material P.I. — Sq (Ln) Ft

Project with Multiple Removals ☐

Project Monitor Visual Inspection Checklist

Section A ☐ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☑	☐	☐
2. Knife or pointed object	☑	☐	☐
3. Respirator	☑	☐	☐
4. Hard Hat	☑	☐	☐
5. Safety Glasses	☑	☐	☐
6. Tyvex Suit	☑	☐	☐
7. Gloves	☑	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☑	☐	☐
9. Inspect at Close Range	☑	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☑	☐	☐
11. Light Fixtures	☐	☐	☑
12. Ductwork	☐	☐	☑
13. Elevated Horizontal Surfaces	☑	☐	☐
14. Pipes	☑	☐	☐
15. Ceiling Grids/Sprinkler Heads	☑	☐	☐
16. Conduits	☐	☐	☑
17. Hauserman Channels	☐	☐	☑
18. Floor and Wall Penetrations	☑	☐	☐
19. Creases & Folds in Criticals	☑	☐	☐
20. Walls & Corners	☑	☐	☐
21. Floors	☑	☐	☐

Section B ☐ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☑	☐	☐
23. No Visible Pools of Liquid	☑	☐	☐
24. No condensation	☑	☐	☐
25. All Isolation Barriers intact	☑	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☑	☐	☐
27. No Visible Pools of Liquid	☑	☐	☐
28. No condensation	☑	☐	☐
29. All Isolation Barriers intact	☑	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☑	☐	☐
31. No condensation	☑	☐	☐
32. All Criticals intact	☑	☐	☐
33. All Isolation Barriers Intact	☑	☐	☐
34. No Unremoved Materials	☑	☐	☐
35. No Visible Debris	☑	☐	☐
36. No Visible Dust	☑	☐	☐
37. Examine Contractor Equipment	☐	☐	☐
38. Negative Air in Operation	☐	☐	☑
39. No Debris or Water under Plastic	☑	☐	☐
40. Completeness of Abatement**	☑	☐	☐
41. Completeness of Clean-up**	☑	☐	☐

Section C ☐ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☐	☐	☑
43. Verbal Scope of Work (see below)	☐	☐	☐
44. Supervisor Present	☑	☐	☐
45. Wait period observed	☑	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☑	☐	☐
46. Sign into work area	☑	☐	☐
47. Sign out of work area	☑	☐	☐
48. Entry into Supervisors Log	☑	☐	☐
49. Detail Findings	☑	☐	☐
50. Enter Full Name	☑	☐	☐
51. Enter AH Cert. Number	☑	☐	☐
52. Worker Present	☑	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Scope of work given by Sergiy from Cumbria. Crew is to glovebag and remove P.I. in given area as per code rule 56

Supervisors Signature — X Mark DeFranco — Date/Time X 11-5-09

Project Monitor Signature — Dave Park — Date/Time 11/5/09

PASS ☒ , Area Cleared to proceed with Clearance Airs — **FAIL** ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: — On Date: — By:

Envoy Environmental Consultants Inc.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: Midtown Tower 17th floor tent #3 Job Ticket # ~~36330~~ 36330

Project Description | Work Area

ESDC | Mark Smith

Client/Owner (Print Name) | Client/Owner Representative (print name) | Client Contact (Print Name)

Cumbria | X Mark DeFrancis | X 09-13704

Abatement Contractor | Supervisor (print name) | NYSDOL Asbestos Handling Certificate Number

Yes ☒ No ☐ | X Mark DeFrancis | X 09-13704

Supervisors Visual inspection Completed? | Supervisor Completing Visual Inspection (print name) | NYSDOL Asbestos Handling Certificate Number | Date/Time

Dave Park | 08-10920 | 11/5/09

Project Monitor (Print Name) | NYSDOL Asbestos Handling Certificate Number | Date

Site Emergency Phone: 911

Job Type: Class I ☒ Class II ☐

Job Size: Large ☐ Small ☐ | Wait period duration minor ☒ | End Time of Final Clean | Material P.I. Sq (n) Ft

Project with Multiple Removals ☐

Project Monitor Visual Inspection Checklist

Section A ☐ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☑	☐	☐
2. Knife or pointed object	☑	☐	☐
3. Respirator	☑	☐	☐
4. Hard Hat	☑	☐	☐
5. Safety Glasses	☑	☐	☐
6. Tyvex Suit	☑	☐	☐
7. Gloves	☑	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☑	☐	☐
9. Inspect at Close Range	☑	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☑	☐	☐
11. Light Fixtures	☐	☐	☑
12. Ductwork	☐	☐	☑
13. Elevated Horizontal Surfaces	☑	☐	☐
14. Pipes	☑	☐	☐
15. Ceiling Grids/Sprinkler Heads	☑	☐	☐
16. Conduits	☐	☐	☑
17. Hauserman Channels	☐	☐	☑
18. Floor and Wall Penetrations	☑	☐	☐
19. Creases & Folds in Criticals	☑	☐	☐
20. Walls & Corners	☑	☐	☐
21. Floors	☑	☐	☐

Section B ☐ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☑	☐	☐
23. No Visible Pools of Liquid	☑	☐	☐
24. No condensation	☑	☐	☐
25. All Isolation Barriers intact	☑	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☑	☐	☐
27. No Visible Pools of Liquid	☑	☐	☐
28. No condensation	☑	☐	☐
29. All Isolation Barriers intact	☑	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☑	☐	☐
31. No condensation	☑	☐	☐
32. All Criticals intact	☑	☐	☐
33. All Isolation Barriers Intact	☑	☐	☐
34. No Unremoved Materials	☑	☐	☐
35. No Visible Debris	☑	☐	☐
36. No Visible Dust	☑	☐	☐
37. Examine Contractor Equipment	☑	☐	☐
38. Negative Air in Operation	☐	☐	☑
39. No Debris or Water under Plastic	☑	☐	☐
40. Completeness of Abatement**	☑	☐	☐
41. Completeness of Clean-up**	☑	☐	☐

Section C ☐ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☐	☐	☑
43. Verbal Scope of Work (see below)	☑	☐	☐
44. Supervisor Present	☑	☐	☐
45. Wait period observed	☑	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☐	☐	☐
46. Sign into work area	☑	☐	☐
47. Sign out of work area	☐	☐	☐
48. Entry into Supervisors Log	☑	☐	☐
49. Detail Findings	☑	☐	☐
50. Enter Full Name	☑	☐	☐
51. Enter AH Cert. Number	☑	☐	☐
52. Worker Present	☑	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Verbal Scope of work given by Sergiy from Cumbria. Crew will remove P.I. in ~~glovebag~~ tent via glovebag as per code rule 56.

Supervisors Signature X Mark DeFrancis | Date/Time X 11-5-09

Project Monitor Signature Dave Park | Date/Time 11/5/09

PASS ☒ Area Cleared to proceed with Clearance Airs | **FAIL** ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above crtical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: | On Date: | By:

Envoy Environmental Consultants Inc.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: Midtown Tower 17th floor tent # 4 Job Ticket # 36330

Project Description *Work Area*

ESDC — Mark Smith

Client/Owner (Print Name) *Client/Owner Representative (print name)* *Client Contact (Print Name)*

Cumbria — X Mark DeRosa — X 09-13704

Abatement Contractor: *Supervisor (print name)* *NYSDOL Asbestos Handling Certificate Number*

Yes ☑ **No** ☐ — X Mark DeRosa — X 09-13704

Supervisors Visual inspection Completed? *Supervisor Completing Visual Inspection (print name)* *NYSDOL Asbestos Handling Certificate Number* *Date/Time*

Dave Park — 08-10420 — 11/5/09

Project Monitor (Print Name) *NYSDOL Asbestos Handling Certificate Number* *Date*

Site Emergency Phone: 911

Job Type: Class I ☐ Class II ☒ FT/FTm

Job Size: Large ☐ Small ☐ *Wait period duration* *End Time of Final Clean*

Material FT/FTm Sq Ln Ft

Project Monitor Visual Inspection Checklist — Project with Multiple Removals ☐

Section A ☐ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☑	☐	☐
2. Knife or pointed object	☑	☐	☐
3. Respirator	☑	☐	☐
4. Hard Hat	☑	☐	☐
5. Safety Glasses	☑	☐	☐
6. Tyvex Suit	☑	☐	☐
7. Gloves	☑	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☑	☐	☐
9. Inspect at Close Range	☑	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☑	☐	☐
11. Light Fixtures	☐	☐	☑
12. Ductwork	☐	☐	☑
13. Elevated Horizontal Surfaces	☑	☐	☐
14. Pipes	☑	☐	☐
15. Ceiling Grids/Sprinkler Heads	☑	☐	☐
16. Conduits	☐	☐	☑
17. Hauserman Channels	☐	☐	☑
18. Floor and Wall Penetrations	☑	☐	☐
19. Creases & Folds in Criticals	☑	☐	☐
20. Walls & Corners	☑	☐	☐
21. Floors	☑	☐	☐

Section B ☐ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☑	☐	☐
23. No Visible Pools of Liquid	☑	☐	☐
24. No condensation	☑	☐	☐
25. All Isolation Barriers intact	☑	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☑	☐	☐
27. No Visible Pools of Liquid	☑	☐	☐
28. No condensation	☑	☐	☐
29. All Isolation Barriers intact	☑	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☑	☐	☐
31. No condensation	☑	☐	☐
32. All Criticals intact	☑	☐	☐
33. All Isolation Barriers Intact	☑	☐	☐
34. No Unremoved Materials	☑	☐	☐
35. No Visible Debris	☑	☐	☐
36. No Visible Dust	☑	☐	☐
37. Examine Contractor Equipment	☑	☐	☐
38. Negative Air in Operation	☐	☐	☑
39. No Debris or Water under Plastic	☑	☐	☐
40. Completeness of Abatement**	☑	☐	☐
41. Completeness of Clean-up**	☑	☐	☐

Section C ☐ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☐	☐	☑
43. Verbal Scope of Work (see below)	☑	☐	☐
44. Supervisor Present	☑	☐	☐
45. Wait period observed	☑	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☑	☐	☐
46. Sign into work area	☑	☐	☐
47. Sign out of work area	☑	☐	☐
48. Entry into Supervisors Log	☑	☐	☐
49. Detail Findings	☑	☐	☐
50. Enter Full Name	☑	☐	☐
51. Enter AH Cert. Number	☑	☐	☐
52. Worker Present	☑	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Verbal Scope of work given by Sergiy from Cumbria. Crew is to remove all FT and FTm w/ per Code rule 56.

Supervisors Signature Mark DeRosa *Date/Time* 11/5/09

Project Monitor Signature *Date/Time* 11/5/09

PASS ☒ , *Area Cleared to proceed with Clearance Airs* **FAIL** ☐ *Area needs Reclean and Reinspection*

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: *On Date:* *By:*

Envoy Environmental Consultants Inc.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 amended January 11, 2006

Building & Location: Midtown Tower 17th flr Tent #5 Job Ticket # 36330

Project Description: ESDC | Work Area

Client/Owner (Print Name): ESDC | Client/Owner Representative (print name): Mark Smith | Client Contact (Print Name): Mark Smith

Abatement Contractor: Cumbria | Supervisor (print name): X MARK DEPAOLE | NYSDOL Asbestos Handling Certificate Number: X 09-13704

Supervisors Visual inspection Completed? Yes ☑ No ☐ | Supervisor Completing Visual Inspection (print name): X MARK DEPAOLE | NYSDOL Asbestos Handling Certificate Number: X 09-13704 | Date/Time

Project Monitor (Print Name): Dave Perk | NYSDOL Asbestos Handling Certificate Number: 08-10920 | Date: 11/5/09

Site Emergency Phone: 911

Job Type: Class I ☐ Class II ☒ | Wait period duration: 4 hours | End Time of Final Clean

Job Size: Large ☐ Small ☒ | Material: Mastic | Sq | Ln | Ft

Project Monitor Visual Inspection Checklist | Project with Multiple Removals ☐

Section A ☐ Inspectors Checklist	SAT	Needs Action	N/A
Equipment	Not Required		
1. Flashlight	☑	☐	☐
2. Knife or pointed object	☑	☐	☐
3. Respirator	☑	☐	☐
4. Hard Hat	☐	☐	☐
5. Safety Glasses	☑	☐	☐
6. Tyvex Suit	☑	☐	☐
7. Gloves	☑	☐	☐
Inspection	Not Required		
8. Enter all Spaces	☑	☐	☐
9. Inspect at Close Range	☑	☐	☐
Areas to Inspect	Not Required		
10. Permanent Fixtures	☑	☐	☐
11. Light Fixtures	☐	☐	☑
12. Ductwork	☐	☐	☑
13. Elevated Horizontal Surfaces	☑	☐	☐
14. Pipes	☑	☐	☐
15. Ceiling Grids/Sprinkler Heads	☑	☐	☐
16. Conduits	☐	☐	☑
17. Hauserman Channels	☐	☐	☑
18. Floor and Wall Penetrations	☑	☐	☐
19. Creases & Folds in Criticals	☑	☐	☐
20. Walls & Corners	☑	☐	☐
21. Floors	☑	☐	☐

Section B ☐ Visual Inspection	SAT	Needs Action	N/A
Personal Decontamination Unit	Required to Pass		
22. Clean & Free of Debris & Dust	☑	☐	☐
23. No Visible Pools of Liquid	☑	☐	☐
24. No condensation	☑	☐	☐
25. All Isolation Barriers intact	☑	☐	☐
Waste Decontamination Unit	Required to Pass		
26. Clean & Free of Debris & Dust	☑	☐	☐
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29. All Isolation Barriers intact	☑	☐	☐
Regulated Abatement Work Area	Required to Pass		
30. No Visible Pools of Liquid	☑	☐	☐
31. No condensation	☑	☐	☐
32. All Criticals intact	☑	☐	☐
33. All Isolation Barriers Intact	☑	☐	☐
34. No Unremoved Materials	☑	☐	☐
35. No Visible Debris	☑	☐	☐
36. No Visible Dust	☑	☐	☐
37. Examine Contractor Equipment	☑	☐	☐
38. Negative Air in Operation	☐	☐	☑
39. No Debris or Water under Plastic	☑	☐	☐
40. Completeness of Abatement**	☑	☐	☐
41. Completeness of Clean-up**	☑	☐	☐

Section C ☐ Procedures/ Paperwork	SAT	Needs Action	N/A
Paperwork & Procedures	Required to Pass		
42. Written Scope of Work (attached)	☐	☐	☑
43. Verbal Scope of Work (see below)	☑	☐	☐
44. Supervisor Present	☑	☐	☐
45. Wait period observed	☑	☐	☐
Paperwork & Procedures	Not Required		
45. Area Asbestos Survey	☑	☐	☐
46. Sign into work area	☑	☐	☐
47. Sign out of work area	☑	☐	☐
48. Entry into Supervisors Log	☑	☐	☐
49. Detail Findings	☑	☐	☐
50. Enter Full Name	☑	☐	☐
51. Enter AH Cert. Number	☑	☐	☐
52. Worker Present	☑	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes — *Briefly list all deficiencies and target compliance dates*

1.
2.
3.
4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated are to remain also state this).

Verbal Scope given by Sergiy from Cumbria. Crew will remove all mirror mastic in area as per code rule 56.

Supervisors Signature: [signature] | Date/Time

Project Monitor Signature: [signature] | Date/Time: 11/5/09

PASS ☒ Area Cleared to proceed with Clearance Airs | **FAIL** ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above crtical or isolation barriers. This inpsection is the responsiblity of the asbestos abatement's supervior under subpart 56-9.3 of ICR-56.

Copy delivered to: | On Date: | By:

Certifications

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

DAVID J TARKER
CLASS(EXPIRES)
C ATEC(05/10) R TEM (05/10)

CERT# 08-10920
DMV# 138257303

MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate

This form is the official record of successful completion of a New York State accredited asbestos safety training course. Certificate No. 550050

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Dave Parker	138-257-303	
Signature of Trainee	Telephone Number	Date of Birth[1]
	585-255-0014	5/4/86

Address: 151 Halbar rd. (Street or PO Box) Rochester (City) NY (State) 14626 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Cornerstone Training Institute	585-319-3625
Address: 1680 Lyell Avenue Suite 200 Rochester, NY 14606	Course Location: Same
Zip Code	

Course Title: Project Monitor ☐ Initial ☒ Refresher ☐ *NYS DOH use only* DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 88 5-6-09

Dates of Training: From: 5/6/09 To: 5/6/09 Expires: 5/6/10

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Darren Gehl (Print) _____ (Signature)

DEPT. OF LABOR

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only

RESPIRATOR FIT - TEST RECORD

Employee's Name: Dave Parker

Employee's Social Security Number: 5004

Fit Test Date: 10-27-09 Person Conducting Fit-Test: T. Tronnes

Respirator Selected for Test: Full Face.

Manufacture: North Model: 7600

Respirator Size: Med.

Type of Fit - Test Conducted: Qualitative Type of Agent Used: Irritant Smoke

Was Rainbow Passage Used: Yes: ✓ No: _____

Was Face Piece to Face Seal Obtained: Yes: ✓ No: _____

Signature of Person Performing Fit Test: _____

Concentra Medical Centers (NY)
687 Lee Rd Suite 208 Rochester, NY 14606
Phone: (585) 458-7910 Fax: (585) 458-7507

Medical Surveillance - Asbestos

Patient: Parker, David
SSN: XXX-XX-5004
DOB: 05/04/1986
Gender: M
Marital Status: S
Address: 151 Hallbar Rd
ROCHESTER, NY 14626
Home Phone: (585) 255-0014
Work Phone: Ext.:

Job Title:
Employer: Envoy Environmental Services
Address: 57 Ambrose St
Rochester, NY 146081215
Job Contact: Shawn House
Role: Primary Contact
Phone: (585) 454-1060 **Ext.:**
Fax: (585) 454-1062

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/05/2009 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [C] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [R] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [R] Review of information from previous medical examinations if available.
- [P] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [P] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [ ] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [ ] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [I] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

5-5-09
Date

Concentra Medical Centers (NY)
687 Lee Rd Suite 208 Rochester, NY 14606
Phone: (585) 458-7910 Fax: (585) 458-7507

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Parker, David

Address: 151 Hallbar Rd
ROCHESTER NY 14626

Employer: Envoy Environmental Services

Employee SSN: XXX-XX-5004

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions
(Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE DO NOT WRITE BELOW THIS LINE

PLHCP[1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

PHYSICIAN WILL COMPLETE THE FOLLOWING

This report may contain confidential medical information and is intended for the designated employer contact only. The Americans with Disabilities Act (ADA) imposes very strict limitations on the use of information obtained during physical examination of qualified individuals with disabilities. All information must be collected and maintained on seperate forms, in seperate files, and must be treated as a confidential medical record, with the following exceptions:

- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check✓ALL that apply)

- ☐ Employee must schedule a medical examination with **Concentra Medical Centers (NY)** prior to respirator approval and usage.
- ☒ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
- ☐ Further Testing / Evaluation is Required. [2]
- ☐ Fit Test Required
- ☐ Fit Test Performed Satisfactorily
- ☐ Fit Test Performed Unsatisfactorily
- ☐ Fit Test NOT Performed at: **Concentra Medical Centers (N)**
- ☒ Special prescription eyewear needed to accommodate respirator
- ☐ Special prescription eyewear needed to accommodate respirator
- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional
[2] Employee must seek further medical evaluation by a private physician who must submit a report to **Concentra Medical Centers (NY)** of his/her findings to

(Check ✓ ALL that apply)

- ☒ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☒ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature _____

Physician's License Number (Optional in Most States) 5243

Physician's Name (Printed) _____

Date of Exam _____

Expires On _____

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

THEODORE A ITRONNES
CLASS(EXPIRES):
C ATEC(06/10) D INSP(06/10)
H PM (06/10)

CERT# 07-00223
DMV# 775062693

MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course. Certificate No. 552572

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Trowbes, Theodore A.	775-062-693	
Signature of Trainee	Telephone Number	Date of Birth[1]
	(585) 202-5733	06/21/1979

Address: 320 English Rd. (Street or PO Box) Rochester (City) N.Y. (State) 14616 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Cornerstone Training Institute	585-319-3025
Address: 1680 Lyell Avenue Suite 200	Course Location: SAME
Zip Code: Rochester, NY 14606	

Course Title: Project Monitor ☐ Initial ☒ Refresher ☐ *NYS DOH use only* DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 96 5.6/3/09

Dates of Training: From: 6/3/09 To: 6/3/09 Expires: 6/3/10

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Darren Uehl. (Print) _____ (Signature)

DEPT. OF LABOR

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 552577

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Townes, Theodore H.	775-062-693	
Signature of Trainee	Telephone Number	Date of Birth[1]
	(585) 202-5733	06/21/1979

Address 320 English Rd. Rochester, N.Y. 14616

(Street or PO Box) (City) (State) (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Cornerstone Training Inst.	585-319-3625
Address 1690 Lyell Ave	Course Location: Same
Zip Code 14606	

Course Title: Inspector Refresher ☐ Initial ☒ Refresher

NYS DOH use only ☐ DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 96 4/15/09

Dates of Training: From: 4/5/09 To: 4/5/09 Expires: 4/5/10

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: _____ (Print) _____ (Signature)

DEPT. OF LABOR

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only

Concentra Medical Centers (NY)
687 Lee Rd Suite 208 Rochester, NY 14606
Phone: (585) 458-7910 Fax: (585) 458-7507

EMPLOYER AUTHORIZATION AND INFORMATION FOR RESPIRATORY EVALUATION

EMPLOYER TO COMPLETE THE FOLLOWING :

Employee Name: Tronnes, Theodore A.

Address: 320 English Rd

ROCHESTER NY 14616

Employer: Envoy Environmental Services

Employee SSN: XXX-XX-5897

Check Type of Respirator(s) To Be Used (Check ✓ALL that apply)

- ☐ Air-purifying (non-powered)
- ☐ Air-purifying (powered)
- ☐ Atmosphere supplying Respirator
- ☐ Combination air-line and SCBA
- ☐ Continous-Flow Respirator
- ☐ Supplied-Air Respirator
- ☐ Open Circuit SCBA
- ☐ Closed Circuit SCBA
- ☐ Dust Mask
- ☐ 1/2 Face with Canisters
- ☐ Full Face with Canisters

Make: _____ Model: _____ Cartridge: _____

Special Work Conditions (Check ✓ ALL That Apply When Wearing Respirator)

- ☐ High Places
- ☐ Enclosed Places
- ☐ Protective Clothing
- ☐ Temperature Extremes
- ☐ Mostly Cold
- ☐ Mostly Hot
- ☐ Other: _____

Questionare will be: ☐ HAND CARRIED ☐ MAILED ☐ OTHER

Extent of Useage (Check ✓ALL that apply)

- ☐ On a daily basis _____ Total Hours
- ☐ Occasionally - but not more than twice a week ____ Total Hours
- ☐ Rarely - or for Emergency situations only ____ Total Hours

Expected Physical Effort Required (Check ✓ALL that apply)

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Exposure to Hazardous Materials (Check ✓ALL that apply)

- ☐ Arsenic
- ☐ Benzene
- ☐ Coke Oven
- ☐ Cotton Seed / Dust
- ☐ Cadmium
- ☐ Formaldehyde
- ☐ Methylene Chloride
- ☐ Lead
- ☐ Textiles
- ☐ Chromium

Other(s): _____

EVALUATION AUTHORIZATION BY: _____
Signature of Employer Representative

DO NOT WRITE BELOW THIS LINE

DO NOT WRITE BELOW THIS LINE

DO NOT WRITE BELOW THIS LINE

PLHCP [1] WRITTEN STATEMENT for RESPIRATORS (EMPLOYER)

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- Supervisors and managers may be informed about necessary restrictions on the work or duties of an employee and necessary accommodations.
- First aid and safety personnel may be informed, when appropriate, if the disability might require emergency treatment.

Based upon my findings, I have determined that this individual (Check ✓ALL that apply)

- ☐ Employee must schedule a medical examination with Concentra Medical Centers (NY) prior to respirator approval and usage.
- ☑ Class I - No Restrictions on Respirator Use
- ☐ Class II - Some Specific Use Restrictions
- ☐ To be used for Emergency Response or Escape Only
- ☐ Other: _____
- ☐ Class III - Respirator Use is NOT PERMITTED
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- ☐ Fit Test NOT Performed at: Concentra Medical Centers (N)
- ☐ Special prescription eyewear needed to accommodate respirator
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- ☐ Facial hair needs to be shaved to assure tight seal on certain face masks.

[1] Physician or other Licensed Healthcare Professional

[2] Employee must seek further medical evaluation by a private physician who must submit a report to Concentra Medical Centers (NY) of his/her findings to

(Check ✓ ALL that apply)

- ☑ The above individual HAS been examined for respirator fitness in accordance with 29 CFR 1910.134. This limited evaluation is specific to respirator use only. Employees should be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ The above individual HAS NOT been examined by me for respirator fitness. The employee's medical evaluation consisted of a review of OSHA's Medical Evaluation Questionnaire in Appendix C Part A Section 2. In accordance with 29 CFR 1910.134, this limited evaluation is specific to respirator use only. Employees would be instructed to report any difficulties in using respirators or change of any physical status to their supervisor or physician. This evaluation included the Respiratory Questionnaire outlined in 29 CFR 1910.134.
- ☐ In accordance with specific OSHA requirements, I have informed the above named individual of the results of this evaluation and of any medical conditions resulting from exposures that may require further explanation or treatment. Where applicable, the above named individual has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos, lead and/or other chemical exposure(s).

Physician's Signature DOUGLAS MINCER, R.P.A. - C.

Physician's License Number (Optional in Most States) N.Y. LIC # 7220

Physician's Name (Printed)

Date of Exam

Expires On

RESPIRATOR FIT - TEST RECORD

Employee's Name: TED TRONNES

Employee's Social Security Number: 5897

Fit Test Date: 4-16-09 Person Conducting Fit-Test: D. Hull

Respirator Selected for Test: Full Face

Manufacture: North Model: 5400

Respirator Size: Large

Type of Fit - Test Conducted: Qualitative Type of Agent Used: Irritant Smoke

Was Rainbow Passage Used: Yes: ✓ No: _____

Was Face Piece to Face Seal Obtained: Yes: ✓ No: _____

Signature of Person Performing Fit Test: D. Hull

Concentra Medical Centers (NY)
687 Lee Rd Suite 208 Rochester, NY 14606
Phone: (585) 458-7910 Fax: (585) 458-7507

Service Date: 05/07/2009

Medical Surveillance - Asbestos

Patient: Tronnes, Theodore A.
SSN: XXX-XX-5897
DOB: 06/21/1979
Gender: M
Marital Status: S
Address: 320 English Rd
ROCHESTER, NY 14616
Home Phone: (585) 202-5733
Work Phone: Ext.:

Job Title:
Employer: Envoy Environmental Services
Address: 57 Ambrose St
Rochester, NY 146081215
Job Contact: Shawn House
Role: Primary Contact
Phone: (585) 454-1060 **Ext.:**
Fax: (585) 454-1062

Race: ASIAN BLACK HISPANIC INDIAN WHITE OTHER

The above individual was seen on 05/07/2009 in accordance with: ____29 CFR 1926.1101.
____40 CFR 763.121.

The following was performed:

- [x] Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per Appendix D in 1926.1101.
- [x] Review of the employer's description of: this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, and personal protection equipment to be utilized by the employee.
- [x] Review of information from previous medical examinations if available.
- [x] A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.
- [x] A pulmonary function test of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.
- [x] A chest roentgenogram, posterior-anterior, 14x17 inches (or current film on file) with interpretation in accordance with 29 CFR 1926.1101. (M)(2)(ii)(C).
- [x] NOTE: According to 29 CFR 1926.1101 (M)(2)(ii)(C), it is up to the discretion of the physician whether or not a chest X-ray is required.
- [x] The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that there are no detected medical conditions that would place the employee at an increased risk of material health impairment from exposure to asbestos, and there are no recommended limitations on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations (if any): _____

Provider Signature

5/7/09
Date

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants, Inc.
57 Ambrose Street
Rochester, NY 14608

FILE NUMBER: 020527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/19/2009
EXPIRATION DATE: 06/30/2010

Duly Authorized Representative - Geoffrey M Reed

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Mr. Bruce Hoogesteger
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: bhoogesteger@paradigmenv.com
URL: http://www.paradigmenv.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2009-07-01 through 2010-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2009-07-01 through 2010-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009
Revised September 16, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous	
Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B
Sample Preparation Methods	
	EPA 3050B

Serial No.: 40520

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants, Inc.
57 Ambrose Street
Rochester, NY 14608

FILE NUMBER: 020527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/19/2009
EXPIRATION DATE: 06/30/2010

Duly Authorized Representative - Geoffrey M Reed

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This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009
Revised September 16, 2009

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MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Asbestos	NIOSH 7402
	YAMATE,AGARWAL GIBB
Fibers	NIOSH 7400 A RULES

Serial No.: 40521

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2010
Issued April 01, 2009

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958
EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Metals I	
Iron, Total	EPA 6010B
Lead, Total	EPA 6010B
Magnesium, Total	EPA 6010B
Manganese, Total	EPA 6010B
Nickel, Total	EPA 6010B
Potassium, Total	EPA 6010B
Silver, Total	EPA 6010B
Sodium, Total	EPA 6010B
Metals II	
Aluminum, Total	EPA 6010B
Antimony, Total	EPA 6010B
Arsenic, Total	EPA 6010B
Beryllium, Total	EPA 6010B
Mercury, Total	EPA 7471A
Selenium, Total	EPA 6010B
Vanadium, Total	EPA 6010B
Zinc, Total	EPA 6010B
Metals III	
Cobalt, Total	EPA 6010B
Thallium, Total	EPA 6010B
Miscellaneous	
Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL
Hydrogen Ion (pH)	EPA 9045C

Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C
Isophorone	EPA 8270C
Nitrobenzene	EPA 8270C
Pyridine	EPA 8270C
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015 B
Gasoline Range Organics	EPA 8015 B
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270C
Bis(2-ethylhexyl) phthalate	EPA 8270C
Diethyl phthalate	EPA 8270C
Dimethyl phthalate	EPA 8270C
Di-n-butyl phthalate	EPA 8270C
Di-n-octyl phthalate	EPA 8270C
Polychlorinated Biphenyls	
PCB-1016	EPA 8082
PCB-1221	EPA 8082
PCB-1232	EPA 8082
PCB-1242	EPA 8082
PCB-1248	EPA 8082
PCB-1254	EPA 8082

Serial No.: 39167

NELAP Recognized

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
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Mr. Bruce Hoogesteger
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E-Mail: bhoogesteger@paradigmenv.com
URL: http://www.paradigmenv.com

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM) **NVLAP LAB CODE 200530-0**

NVLAP Code	*Designation / Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2009-07-01 through 2010-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

NVLAP-01S (REV. 2005-05-19)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

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Rochester, NY

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AIRBORNE ASBESTOS FIBER ANALYSIS

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2009-07-01 through 2010-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)