



Mr. Nick DeCarlo, CHMM, CPEA
Disaster Response and Recovery
Peck Slip Station
October 3, 2001

Attachment A

Asbestos Sampling Data and Analytical Results

Sample	Date	Floor	Location	Volume	Asbestos detected (structures/cc air)	Action Level (structures/cc air)
PS-4F-A1	9/19/2001	fourth	West Area	1320 Liters	<0.0042	0.01
PS-4F-A2	9/19/2001	fourth	East Area	1320 Liters	<0.0049	0.01
PS-4F-A3	9/19/2001	fourth	Elevator	1320 Liters	<0.0049	0.01
PS-4F-A4	9/19/2001	fourth	East Wall	1320 Liters	<0.0049	0.01
PS-4F-A5	9/19/2001	fourth	North Wall	1320 Liters	<0.0049	0.01
3P6A6	9/16/2001	third	Cafeteria	900 Liters	<0.0048	0.01
3P7A7	9/16/2001	third	Men's Locker Room	1350 Liters	<0.0041	0.01
3P8A8	9/16/2001	third	Women's Locker Room	1350 Liters	<0.0041	0.01
3P9A9	9/16/2001	third	Central Area	1350 Liters	<0.0041	0.01
3P10A10	9/16/2001	third	Elevator	1350 Liters	<0.0041	0.01
2P1A1	9/16/2001	second	East Area	2850 Liters	<0.0034	0.01
2P2A2	9/16/2001	second	Elevator	2775 Liters	<0.0035	0.01
2P3A3	9/16/2001	second	Central Sorting Area	2700 Liters	<0.0036	0.01
2P4A4	9/16/2001	second	North Wall	2625 Liters	<0.0037	0.01
2P5A5	9/16/2001	second	West Wall	2700 Liters	<0.0036	0.01
1P11A11	9/16/2001	first	East Area	1350 Liters	<0.0041	0.01
1P12A12	9/16/2001	first	North Area	1350 Liters	<0.0041	0.01
1P13A13	9/16/2001	first	Central Sorting Area	1350 Liters	<0.0041	0.01
1P14A14	9/16/2001	first	West Wall	1350 Liters	<0.0041	0.01
1P15A15	9/16/2001	first	West Sorting Area	1350 Liters	<0.0041	0.01

SciLab Job #: 201092011
Client Name: URS Corporation

Table 1
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	IP11A11 Asbestos (TEM) Sample		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
02	IP12A12 Asbestos (TEM) Sample		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
03	IP13A13 Asbestos (TEM) Sample		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
04	IP14A14 Asbestos (TEM) Sample		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
05	IP15A15 Asbestos (TEM) Sample		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD

* concentration represented by the detection of 1 structure
** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

Analyzed By: _____

Date: 9/17/01



Mikhail Gruzman

NVLAP#: 200546-0

SciLab Job #: 201092012
Client Name: URS Corporation

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
89E9SPS035; Peck Slip Station; Work Area 2nd Floor, Peck Slip Station, NYC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)			Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	Total	>5.0	Total	>5.0	Total	
01	2P1A1 Asbestos (TEM) Sample		2850	.04	0.0034	0.0	0.0	0.0	<25	<25	<0.0034	<0.0034	NSD
02	2P2A2 Asbestos (TEM) Sample		2775	.04	0.0035	0.0	0.0	0.0	<25	<25	<0.0035	<0.0035	NSD
03	2P3A3 Asbestos (TEM) Sample		2700	.04	0.0036	0.0	0.0	0.0	<25	<25	<0.0036	<0.0036	NSD
04	2P4A4 Asbestos (TEM) Sample		2625	.04	0.0037	0.0	0.0	0.0	<25	<25	<0.0037	<0.0037	NSD
05	2P5A5 Asbestos (TEM) Sample		2700	.04	0.0036	0.0	0.0	0.0	<25	<25	<0.0036	<0.0036	NSD

* concentration represented by the detection of 1 structure
** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____

Analyzed By: _____

Date: 9/17/01

Michael Gruzman

NVLAP#: 200546-0

Table 1
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
89FUSPS035; Work Area 3rd Floor, Peck Slip, NYC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns)		Structure Density (struc/sq. mm.)		Structure Concentration (struc/cc air)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
01	Asbestos (TEM) Sample 3P6A6		900	.09	0.0048	0.0	0.0	<11.1	<11.1	<0.0048	<0.0048	NSD
02	Asbestos (TEM) Sample 3P7A7		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
03	Asbestos (TEM) Sample 3P10A10		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
04	Asbestos (TEM) Sample 3P11A11		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD
05	Asbestos (TEM) Sample 3P12A12		1350	.07	0.0041	0.0	0.0	<14.3	<14.3	<0.0041	<0.0041	NSD

* concentration represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected

NVLA# 200546-0

Reviewed By: _____

; Analyzed By: _____

Date: 9/17/01


Mikhail Gruzman

CLIENT NAME: URS CORPORATION

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (atr)
Peck Slip

Lab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (struc/cc atr)	Asbestos Structures Detected (Microns)		Structure Density (struc/44. mm.)		Structure Concentration (struc/cc atr)		Type of Asbestos
						0.5-5.0	>5.0	>5.0	Total	>5.0	Total	
11	PS-4F-A1 ASB West Area	1320	.07	0.0042	0.0	0.0	0.0	<14.3	<14.3	<0.0042	<0.0042	NSD
12	PS-4F-A2 ASB East Area	1320	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
13	PS-4F-A3 ASB Elevator	1320	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
14	PS-4F-A4 ASB East Wall	1320	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD
15	PS-4F-A5 ASB North Wall	1320	.06	0.0049	0.0	0.0	0.0	<16.7	<16.7	<0.0049	<0.0049	NSD

Results represented by the detection of 1 structure analyzed

Asbestos Structures Detected

Reviewed By:

Analyzed By:

Date: 9/20/01

PN: 200546-0

Mikhail Gruzman

201092015

URS Corporation
1515 Broadway, 35th Floor
New York, NY 10036

Chain-Of-Custody

Sampler:

Equipment:

Project No. 89F05P5035

Location PECK SLIP, STATION NYC

Date 9-16-01

(1st Floor)

14019

Liters

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Fibers/CC	Analysis
1P11A1		Substrate Sample	6:15	7:45	90	10	900		
1P11A11		Asbestos (TEM) Sample	6:15	7:45		15	1350		
1P11A11		Lead Sample	6:15	7:45		10	900		
1P12A12		Substrate Sample	6:25	7:55		10	900		
1P12A12		Asbestos (TEM) Sample	6:25	7:55		15	1350		
1P12A12		Lead Sample	6:25	7:55		10	900		
1P13A13		Substrate Sample	6:25	7:55		10	900		
1P13A13		Asbestos (TEM) Sample	6:25	7:55		15	1350		
1P13A13		Lead Sample	6:25	7:55		10	900		
1P14A14		Substrate Sample	6:10	7:40		10	900		
1P14A14		Asbestos (TEM) Sample	6:10	7:40		15	1350		
1P14A14		Lead Sample	6:10	7:40		10	900		
1P15A15		Substrate Sample	6:20	7:50		10	900		
1P15A15		Asbestos (TEM) Sample	6:20	7:50	✓	15	1350		
1P15A15		Lead Sample	6:20	7:50		10	900		

Signature: B. B. B. Date: 9/16 Print Name: Erik Dargatzis Date: 09/16/01

Relinquished: _____ Date: _____ Received: Chino B. B. Date: 2001

Relinquished: _____ Date: _____ Received: _____

John Silica

6-20-08

DAMEG 7

URS Corporation
1515 Broadway, 35th Floor
New York, NY 10036

36010272

Chain-Of-Custody

89E43PS 035

Peak Slip Station, NYC and floor

Sampler:

Equipment:

9/16/01

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Fibers/CC	Analysis
2P15		Silica	1450	1630		10	1000		245
2P1A1		Asbestos (TEM) Sample	1320	1630		15			
2P1C1		Lead Sample	1445	1630		10			
2P2A2		Silica	1455	1700		10	1250		239
2P2L2		Asbestos (TEM)	1330	1635		15			
2P3C3		Lead	1450	1700		10			
2P3A3		Silica	1500	1700		10	1200		0
2P3L3		TEM	1335	1635		15			239
2P4C4		Lead	1500	1700		10			24
2P4A4		Silica	1500	1700		10	1300		233
2P4L4		TEM	1340	1635		15			
2P5C5		Lead	1500	1710		10			
2P5A5		Silica	1505	1715		10	1300		244
2P5L5		TEM	1340	1640		15			
		Lead	1505	1715		10			

Signature:

Relinquished:

Relinquished:

Date:

Date:

Date:

Print Name:

Received:

Received:

Date:

Date:

9/24/01

URS Corporation
1515 Broadway, 35th Floor
New York, NY 10036

Chain-Of-Custody

Project No.

89FV3P5035

Location

PECK SLIP, NYC (3RD Floor)

Date

9-16-01

Sampler:

Equipment:

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Fiber's/CC	Analysis
3P656		SILICA SAMPLE	5:35	7:05	90	10	900		
3P6A6		ASBESTOS (TEM) SAMPLE	5:35	7:05	90	15	1350		
3P6L6		LEAD SAMPLE	6:35	7:05	90	10	900		
3P737		SILICA SAMPLE	5:35	6:55	90	10	900		
3P7A7		ASBESTOS (TEM) SAMPLE	5:35	6:55	90	15	1350		
3P7B7		LEAD SAMPLE	6:35	6:55	90	10	900		
3P7C7		SILICA SAMPLE	5:30	7:00	90	10	900		
3P7D7		ASBESTOS (TEM) SAMPLE	5:30	7:00	90	15	1350		
3P7E7		LEAD SAMPLE	5:30	7:00	90	10	900		
3P7F7		SILICA SAMPLE	5:40	7:10	90	10	900		
3P7G7		ASBESTOS (TEM) SAMPLE	5:40	7:10	90	15	1350		
3P7H7		LEAD SAMPLE	5:40	7:10	90	10	900		
3P7I7		SILICA SAMPLE	6:45	7:15	90	10	900		
3P7J7		ASBESTOS (TEM) SAMPLE	5:45	7:15	90	15	1350		
3P7K7		LEAD SAMPLE	5:45	7:15	90	10	900		

Signature:

Date:

Print Name:

Relinquished:

Date:

Received:

Date:

Relinquished:

Date:

Received:

Date:

3P7A7

#14105

URS Corporation
1515 Broadway, 35th Floor
New York, NY 10036

Chain-Of-Custody

Project No. 2U1092462

Location Peak Slip

Date 9/19/01

Sampler: TEO SANCHEZ

Equipment:

12

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Analysis
PS-4F-A1		ASB WEST AREA	7:45	8:05	105	1.7	1260	4.1.2
PS-4F-L1		LEAD	1:45	3:15	105	1.7	1260	4.1.2
PS-4F-A2		ASB EAST AREA	7:45	8:15	120	1.1	1320	4.1.2
PS-4F-L2		LEAD	1:45	3:30	105	1.2	1260	4.1.2
PS-4F-A3		ASB EXHAUST	7:45	8:15	120	1.1	1320	4.1.2
PS-4F-L3		LEAD	1:45	3:30	105	1.2	1260	4.1.2
PS-4F-A4		ASB EAST WALL	7:45	8:15	120	1.1	1320	4.1.2
PS-4F-L4		LEAD	1:45	3:30	105	1.2	1260	4.1.2
PS-4F-A5		ASB NORTH WALL	7:45	8:15	120	1.1	1320	4.1.2
PS-4F-L5		LEAD	1:45	3:30	105	1.2	1260	4.1.2

Signature: Robert R.

Relinquished:

Relinquished:

Date: 1/19/01

Date:

Date:

Print Name: Theodore Sanchez

Received: Sanchez

Received: R. Sanchez

Date: 9/19/01

Date: 21/0



Mr. Nick DeCarlo, CHMM, CPEA
Disaster Response and Recovery
Peck Slip Station
October 3, 2001

Attachment B

Lead Sampling Data and Analytical Results

Sample	Date	Floor	Location	Volume	Concentration (micrograms/m ³)	Action Level (micrograms/m ³)
1P11L11	9/16/2001	first	East Area	900 Liters	4.5	30
1P12L12	9/16/2001	first	North Area	900 Liters	3.9	30
1P13L13	9/16/2001	first	Central Sorting Area	900 Liters	4.0	30
1P14L14	9/16/2001	first	West Wall	900 Liters	4.8	30
1P15L15	9/16/2001	first	West Sorting Area	900 Liters	6.1	30
2P1L1	9/16/2001	second	East Area	1050 Liters	<1.4	30
2P2L2	9/16/2001	second	Elevator	1300 Liters	7.8	30
2P3L3	9/16/2001	second	Central Sorting Area	1300 Liters	<1.3	30
2P4L4	9/16/2001	second	North Wall	1300 Liters	<1.3	30
2P5L5	9/16/2001	second	West Wall	1300 Liters	<1.3	30
3P6L6	9/16/2001	third	Cafeteria	900 Liters	<1.7	30
3P7L7	9/16/2001	third	Men's Locker Room	900 Liters	<1.7	30
3P8L8	9/16/2001	third	Women's Locker Room	900 Liters	<1.7	30
3P9L9	9/16/2001	third	Center Area	900 Liters	<1.7	30
3P10L10	9/16/2001	third	Elevator	900 Liters	<1.7	30
PS-4F-L1	9/19/2001	fourth	West Area	1260 Liters	1.9	30
PS-4F-L2	9/19/2001	fourth	East Area	1260 Liters	<1.2	30
PS-4F-L3	9/19/2001	fourth	Elevator	1260 Liters	<1.2	30
PS-4F-L4	9/19/2001	fourth	West Wall	1260 Liters	<1.2	30
PS-4F-L5	9/19/2001	fourth	North Wall	1260 Liters	<1.2	30

09/17/2001 12:09 2123533599

ATC ASSOCIATES INC

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ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 09-17-01
CLIENT: Scientific Laboratories, Inc./URS Corp.
PROJECT LOCATON: Peck Slip Station, NYC - 1 Floor
SAMPLED BY: Client
SAMPLE DATE: 09-16-01
DATE RECEIVED: 09-16-01
DATE ANALYZED: 09-17-01
SAMPLE MEDIA: Air Samples
ANALYSIS REQUIRED: Method NIOSH 7082

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION ($\mu\text{g}/\text{m}^3$)	DETECTION LIMIT
1P14L14	14029	Lead Air Sample	4.8	1.7
1P11L11	14029	Lead Air Sample	4.5	1.7
1P12L12	14029	Lead Air Sample	3.9	1.7
1P13L13	14029	Lead Air Sample	4.0	1.7
1P15L15	14029	Lead Air Sample	6.1	1.7

NOTE 1:
THE REPORTING LIMIT (RL) IS 3.0 μg

NOTE 2:
At the present time there are no regulatory levels or requirements for indoor airborne lead in area samples. However, OSHA has established an action level of 30 $\mu\text{g}/\text{m}^3$ and a permissible exposure level (PEL) of 50 $\mu\text{g}/\text{m}^3$ for personal samples.

CERTIFICATION AND SIGNATURES

ANALYSIS PERFORMED BY: IL

REPORT PREPARED BY: [Signature]

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: [Signature]

LABORATORY DIRECTOR: [Signature]

ATC Environmental Inc. (ATC) is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ELAP #10879).

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ATC ASSOCIATES INC

PAGE 07/12

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 09-17-01

CLIENT: Scientific Laboratories, Inc./URS Corp.
PROJECT LOCATON: Peck Slip Station, NYC - 2 Floor

SAMPLED BY: Client

SAMPLE DATE: 09-16-01
DATE RECEIVED: 09-17-01
DATE ANALYZED: 09-17-01

SAMPLE MEDIA: Air Samples
ANALYSIS REQUIRED: Method NIOSH 7082

=====

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION ($\mu\text{g}/\text{m}^3$)	DETECTION LIMIT
2P1L1	14027	Air Sample	<1.4	1.4
2P2L2	14027	Air Sample	7.8	1.2
2P3L3	14027	Air Sample	<1.3	1.3
2P4L4	14027	Air Sample	<1.3	1.3
2P5L5	14027	Air Sample	<1.3	1.3

NOTE 1:
THE REPORTING LIMIT (RL) IS 3.0 μg

NOTE 2:
At the present time there are no regulatory levels or requirements for indoor airborne lead in area samples. However, OSHA has established an action level of 30 $\mu\text{g}/\text{m}^3$ and a permissible exposure level (PEL) of 50 $\mu\text{g}/\text{m}^3$ for personal samples.

=====

CERTIFICATION AND SIGNATURES

ANALYSIS PERFORMED BY: TL

REPORT PREPARED BY: [Signature]

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: unn

LABORATORY DIRECTOR: W.L.

ATC Environmental Inc. (ATC) is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ILAP #10879).

SEP 17 2001 12:25

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09/17/2001 12:09 2123533599

ATC ASSOCIATES INC

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ATC ASSOCIATES INC

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ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 09-17-01
CLIENT: Scientific Laboratories, Inc./URS Corp.
PROJECT LOCATION: Peck Slip Station, NYC - 3 Floor
SAMPLED BY: Client
SAMPLE DATE: 09-16-01
DATE RECEIVED: 09-16-01
DATE ANALYZED: 09-17-01
SAMPLE MEDIA: Air Samples
ANALYSIS REQUIRED: Method NIOSH 7082

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION ($\mu\text{g}/\text{m}^3$)	DETECTION LIMIT
3P7L7	14026	Lead Air Sample	<1.7	1.7
3P9L9	14026	Lead Air Sample	<1.7	1.7
3P10L10	14026	Lead Air Sample	<1.7	1.7
3P6L6	14026	Lead Air Sample	<1.7	1.7
3P8L8	14026	Lead Air Sample	<1.7	1.7

NOTE 1:
THE REPORTING LIMIT (RL) IS 3.0 μg

NOTE 2:
At the present time there are no regulatory levels or requirements for indoor airborne lead in area samples. However, OSHA has established an action level of 30 $\mu\text{g}/\text{m}^3$ and a permissible exposure level (PEL) of 50 $\mu\text{g}/\text{m}^3$ for personal samples.

CERTIFICATION AND SIGNATURESANALYSIS PERFORMED BY: TLREPORT PREPARED BY: Rym

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: WMSLABORATORY DIRECTOR: ML

ATC Environmental Inc. (ATC) is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ELAP #10879).

SEP 17 2001 12:26

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ATC ASSOCIATES INC

PAGE 01/02

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 09-20-01
CLIENT: Scientific Laboratories, Inc./URS Corp.
PROJECT LOCATON: Peek Slip
SAMPLED BY: Client
SAMPLE DATE: 09-19-01
DATE RECEIVED: 09-19-01
DATE ANALYZED: 09-19-01
SAMPLE MEDIA: Air Samples
ANALYSIS REQUIRED: Method NIOSH 7082

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION ($\mu\text{g}/\text{m}^3$)	DETECTION LIMIT
PS-4F-L1	14105	West Area	1.9	1.2
PS-4F-L2	14105	East Area	<1.2	1.2
PS-4F-L3	14105	Elevator	<1.2	1.2
PS-4F-L4	14105	West Wall	<1.2	1.2
PS-4F-L5	14105	North Wall	<1.2	1.2

NOTE 1:
THE REPORTING LIMIT (RL) IS 3.0 μg

NOTE 2:
At the present time there are no regulatory levels or requirements for indoor airborne lead in area samples. However, OSHA has established an action level of 30 $\mu\text{g}/\text{m}^3$ and a permissible exposure level (PEL) of 50 $\mu\text{g}/\text{m}^3$ for personal samples.

CERTIFICATION AND SIGNATURES

ANALYSIS PERFORMED BY: RD

REPORT PREPARED BY: *[Signature]*

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: *[Signature]*

LABORATORY DIRECTOR: *[Signature]*

ATC Environmental Inc. (ATC) is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ELAP #10879).

SEP 20 2001 13:26

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Mr. Nick DeCarlo, CHMM, CPEA
Disaster Response and Recovery
Peck Slip Station
October 3, 2001

Attachment C

Silica and Nuisance Dust Sampling Data and Analytical Results

Sample	Date	Floor	Location	Volume	Silica		Nuisance Dust Concentration (mg/m ³)	Nuisance Dust PEL (mg/m ³)
					Concentration (mg/m ³)	% Silica		
PS-4F-S1	9/19/2001	fourth	West Area	1260 liters	<0.0159	N/A	0.3175	15.0
PS-4F-S2	9/19/2001	fourth	East Area	1260 liters	<0.0159	N/A	0.1111	15.0
PS-4F-S3	9/19/2001	fourth	Elevator	1260 liters	<0.0159	N/A	0.0079	15.0
PS-4F-S4	9/19/2001	fourth	East Wall	1260 liters	<0.0159	N/A	0.2143	15.0
PS-4F-S5	9/19/2001	fourth	North Wall	1260 liters	<0.0159	N/A	0.0317	15.0
3P6S6	9/16/2001	third	Cafeteria	900 liters	<0.0222	N/A	0.3556	15.0
3P7S7	9/16/2001	third	Men's Locker Room	900 liters	<0.0222	N/A	0.3222	15.0
3P8S8	9/16/2001	third	Women's Locker Room	900 liters	<0.0222	N/A	0.3000	15.0
3P9S9	9/16/2001	third	Central Area	900 liters	<0.0222	N/A	0.2778	15.0
3P10S10	9/16/2001	third	Elevator	900 liters	<0.0222	N/A	0.0167	15.0
2P1S1	9/16/2001	second	East Area	1000 liters	<0.0200	N/A	0.1900	15.0
2P2S2	9/16/2001	second	Elevator	1250 liters	<0.0160	N/A	0.2160	15.0
2P3S3	9/16/2001	second	Central Sorting Area	1200 liters	<0.0167	N/A	0.1250	15.0
2P4S4	9/16/2001	second	North Wall	1300 liters	<0.0154	N/A	0.0000	15.0
2P5S5	9/16/2001	second	West Wall	1300 liters	<0.0154	N/A	0.1538	15.0
1P11S11	9/16/2001	first	East Area	900 liters	<0.0222	N/A	0.2556	15.0
1P12S12	9/16/2001	first	North Area	900 liters	<0.0222	N/A	0.2111	15.0
1P13S13	9/16/2001	first	Central Sorting Area	900 liters	<0.0222	N/A	0.0889	15.0
1P14S14	9/16/2001	first	West Wall	900 liters	<0.0222	N/A	0.2111	15.0
1P15S15	9/16/2001	first	West Sorting Area	900 liters	<0.0222	N/A	0.0889	15.0



EMSL Analytical, Inc. - 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

Attention: Chris Gerber
URS
200 Orchard Ridge Drive
Suite 101
Gaithersburg, MD. 20878

9/28/01

Project: 89FOSPS035
Ref. Number: 360100270

**Silica Analysis Performed by
X-Ray Diffraction (XRD)
Method NIOSH 7500**

Sample ID	Identification	Particle ID	Volume (L)	Nuisance Dust		Silica Weight (mg)	Airborne Silica		Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)		Silica Conc. (mg/m ³)	% Silica	
1P11S11		Quartz	900	0.230	0.2556	<0.004	<0.0222	N/A	0.0222
1P11S12		Quartz	900	0.190	0.2111	<0.004	<0.0222	N/A	0.0222
1P11S13		Quartz	900	0.080	0.0889	<0.004	<0.0222	N/A	0.0222
1P11S14		Quartz	900	0.190	0.2111	<0.004	<0.0222	N/A	0.0222
1P11S15		Quartz	900	0.080	0.0889	<0.004	<0.0222	N/A	0.0222
Std. #3	0.008 mg	Quartz				0.008			

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

M. Vargas & J. Newton
Analyst

28 September, 2001
Date of Analysis

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica, will be assumed.



EMSL Analytical, Inc. - 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

10/2/01

Attention: Chris Gerber
URS
200 Orchard Ridge Drive
Suite 101
Gaithersburg, MD. 20878

Project: #89FUSPS035/ Peck Slip Station
Ref. Number: 360100272

**Silica Analysis Performed by
X-Ray Diffraction (XRD)
Method NIOSH 7500**

Sample ID	Identification	Particle ID	Volume (L)	Nuisance Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
2P1S1		Quartz	1000	0.190	0.1900	<0.004	<0.0200	N/A	0.0200
2P2S2		Quartz	1250	0.270	0.2160	<0.004	<0.0160	N/A	0.0160
2P3S3		Quartz	1200	0.150	0.1250	<0.004	<0.0167	N/A	0.0167
2P4S4		Quartz	1300	0.000	0.0000	<0.004	<0.0154	N/A	0.0154
2P5S5		Quartz	1300	0.200	0.1538	<0.004	<0.0154	N/A	0.0154
Std. #3	0.008 mg	Quartz				0.008			

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

M. Vargas & J. Newton
Analyst

28 September, 2001
Date of Analysis

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica, will be assumed.



EMSL Analytical, Inc. - 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

Attention: Chris Gerber
URS
200 Orchard Ridge Drive
Suite 101
Gaithersburg, MD. 20878

9/28/01

Project: #89FUSPS035/ Peck Slip Station
Ref. Number: 360100266

**Silica Analysis Performed by
X-Ray Diffraction (XRD)
Method NIOSH 7500**

Sample ID	Identification	Particle ID	Volume (L)	Nuisance Dust		Silica Weight (mg)	Airborne Silica		
				Sample Weight (mg)	Sample Conc. (mg/m ³)		Silica Conc. (mg/m ³)	% Silica	Analytical Sensitivity (mg/m ³)
3P6S6		Quartz	900	0.320	0.3556	<0.004	<0.0222	N/A	0.0222
3P7S7		Quartz	900	0.290	0.3222	<0.004	<0.0222	N/A	0.0222
3P8S8		Quartz	900	0.270	0.3000	<0.004	<0.0222	N/A	0.0222
3P9S9		Quartz	900	0.250	0.2778	<0.004	<0.0222	N/A	0.0222
3P10S10		Quartz	900	0.150	0.1667	<0.004	<0.0222	N/A	0.0222
Std. #3	0.008 mg	Quartz				0.000			

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

M. Vargas & J. Newton
Analyst

28 September, 2001
Date of Analysis

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica, will be assumed.



EMSL Analytical, Inc. - 107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

9/26/01

Attention: **Chris Garber**
URS
200 Orchard Ridge Drive
Suite 101
Gaithersburg, MD. 20878

Project: 89 - FUSPS035.02 / Peck Slip
Ref. Number: 360100275

**Silica Analysis Performed by
X-Ray Diffraction (XRD)
Method NIOSH 7500**

Sample ID	Identification	Particle ID	Volume (L)	Nuisance Dust		Silica Weight (mg)	Airborne Silica		Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)		Silica Conc. (mg/m ³)	% Silica	
PS-4F-S1	West Area	Quartz	1260	0.400	0.3175	<0.004	<0.0159	N/A	0.0159
PS-4F-S2	East Area	Quartz	1260	0.140	0.1111	<0.004	<0.0159	N/A	0.0159
PS-4F-S3	Elevator	Quartz	1260	0.010	0.0079	<0.004	<0.0159	N/A	0.0159
PS-4F-S4	East Wall	Quartz	1260	0.270	0.2143	<0.004	<0.0159	N/A	0.0159
PS-4F-S5	North Wall	Quartz	1260	0.040	0.0317	<0.004	<0.0159	N/A	0.0159
Standard	0.030 mg	Quartz				0.032			
Lab. Blank	0.000 mg	Quartz				0.000			

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

John Newton
Analyst

26 September, 2001
Date of Analysis

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica, will be assumed. "<" = Less than the stated value

The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
AIHA Accredited - Laboratory ID #100192

SILICA IN AIR SAMPLES

Chain-Of-Custody

TED SANDOROVIC

89-FUSP5035-02 89002

89-FUSPSØ
Plea Sup

9/19/01

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Fibers/CC	Analysis
PS-4F-51		WSP Silica WEST ANGA	1:45	3:50	105	12	1260		
PS-4F-52		Silica EAST ANGA	1:45	3:50					
PS-4F-53		Silica ELEVENTH	1:45	3:50					
PS-4F-54		Silica EAST WING	1:45	3:50					
PS-4F-55		Silica PORTER WING	1:45	3:50					

RECEIVED
WEST VIRGINIA
01 SEP 25 AM 11:56

Print Name: Theodore Sandoval

Date: 9/14/01

Dale:

Date: _____

Signature: Handwritten Signature

Relinquished:

Relinquished:

Any questions, please call Chris Barber @

PII



October 3, 2001

Mr. Nick DeCarlo, CHMM, CPEA
 District Environmental Compliance Coordinator
 United States Postal Service
 New York District
 James A. Farley Building
 421 8th Avenue, Room 5013
 New York, New York 10199-9800

Subject: Peck Slip Station
 4th Floor Asbestos Abatement
 URS Project No. 89-FUSPS035.02 42001

Dear Mr. DeCarlo:

During cleaning of standing dust from Peck Slip Station during the week of September 17, 2001, damaged asbestos-containing materials (ACM) were discovered on the 4th floor of the facility. These materials consisted of small areas of damaged asbestos-containing pipe insulation (4th floor men's restroom) and loose/broken 9" x 9" asbestos-containing floor tiles. Additionally, repair of asbestos-containing pipe insulation ends needed to be performed using non-asbestos lagging cloth. Comprehensive Environmental Services, Inc. (CES), who was onsite to conduct the standing dust cleanup, was also tasked with performing the ACM abatement and repair. That abatement /repair operation was completed on September 19, 2001.

Air monitoring conducted by URS Corporation (URS) during the minor abatement operation indicated acceptable air quality as per the requirements established by the New York City Department of Environmental Protection (NYCDEP). Air samples were analyzed by phase contrast microscopy (PCM) in accordance with NIOSH Method 7400 and resulted in airborne fiber concentrations of <0.01 fibers per cubic centimeter (f/cc) of air sampled. The URS field log and all sampling/analytical data are included as an attachment to this report.

It should also be noted that following the asbestos abatement, the entire 4th floor was cleaned of residual standing dust by CES in accordance with the USPS post-disaster clean up protocol, followed by air sampling and analysis for asbestos and other potential contaminants. The airborne asbestos analysis for this clean up effort was conducted by transmission electron microscopy (TEM) and resulted in no asbestos structures detected.

Based on the satisfactory air monitoring, the 4th floor of Peck Slip Station is considered acceptable for re-occupancy. It should be noted that additional ACM exists on the 4th floor as well as in other areas of the facility, however, the damaged material existing on the 4th floor at the time of this effort had been cleaned up/abated/repared during the course of this clean up.

URS Corporation
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Tel: 301.258.9780
 Fax: 301.869.8728

I:\89-FUSPS000 00\ACTIVE WORK ORDERS\WO 035\Unoccupied Facilities\Peck Slip Station\USPSpecks\slipabate9-01\finalreport.doc



Mr. Nick DeCarlo
Peck Slip Station Asbestos Abatement
October 3, 2001
Page 2

If you should have any questions concerning this information, please contact Catherine Carr Clinch at 301-670-3334 or Doug Mueller at 215-542-3800.

Sincerely,
URS Corporation

A handwritten signature in black ink, appearing to read "B. Mueller" followed by a flourish.

M. Douglas Mueller, CIH
Project Industrial Hygienist

A handwritten signature in black ink, appearing to read "Chris Gerber" followed by a flourish.

Catherine Carr Clinch
Project Director

Enclosures

cc: Rick Paprocki (USPS)
Chris Gerber, P.G. (URS)
File

Mr. Nick DeCarlo, CHMM, CPEA
Disaster Response and Recovery
Peck Slip Station
October 3, 2001

Attachment A

Asbestos Sampling Data and Analytical Results

Sample	Date	Floor	Location	Volume	Fiber Concentration (Fibers/cc)	Action Level (Fibers/cc)
PS-4F-B1	9/19/2001	fourth	Background West Area	975 Liters	0.007	0.1
PS-4F-B2	9/19/2001	fourth	Background East Area	975 Liters	0.007	0.1
PS-4F-B3	9/19/2001	fourth	Background Elevator	975 Liters	0.005	0.1
PS-4F-B4	9/19/2001	fourth	Background East Wall	975 Liters	0.007	0.1
PS-4F-B5	9/19/2001	fourth	Background North Wall	975 Liters	<0.003	0.1
PS-ET-1	9/19/2001	fourth	East Tent	1360 Liters	0.005	0.1
PS-ET-2	9/19/2001	fourth	East Tent	1360 Liters	0.005	0.1
PS-ET-3	9/19/2001	fourth	East Tent	1360 Liters	0.004	0.1
PS-WT-1	9/19/2001	fourth	West Tent	1360 Liters	0.005	0.1
PS-WT-2	9/19/2001	fourth	West Tent	1360 Liters	0.004	0.1
PS-WT-3	9/19/2001	fourth	West Tent	1360 Liters	0.009	0.1

Phase Contrast Microscopy (PCM) Fiber Results**Peck Slip**

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm ²)	Fibers Conc. (Fibers/cc)	TWA
01	PS-4F-B1 Background West Area	9/19/01	5	195	975	100	13	16.56	0.007	
02	PS-4F-B2 Background East Area	9/19/01	5	195	975	100	14	17.83	0.007	
03	PS-4F-B3 Background Elevator	9/19/01	5	195	975	100	10	12.74	0.005	
04	PS-4F-B4 Background East Wall	9/19/01	5	195	975	100	13	16.56	0.007	
05	PS-4F-B5 Background North Wall	9/19/01	5	186	930	100	4	5.10	<0.003	
06	PS-ET-1 East Tent Lagging Removal	9/19/01	12	105	1260	100	12	15.29	0.005	
07	PS-ET-2 East Tent Lagging Removal	9/19/01	12	105	1260	100	13	16.56	0.005	
08	PS-ET-3 East Tent Lagging Removal	9/19/01	12	105	1260	100	11	14.01	0.004	
09	PS-WT-1 West Tent Lagging Removal	9/19/01	12	105	1260	100	14	17.83	0.005	
10	PS-WT-2 West Tent Lagging Removal	9/19/01	12	105	1260	100	9	11.46	0.004	
11	PS-WT-3 West Tent Lagging Removal	9/19/01	12	105	1260	100	22	28.03	0.009	

Reporting Notes:

Analyzed by: Fred Cortesini

Date Analyzed: 9/19/01

*NADNSD = no asbestos detected. NA = not analyzed. NVLAP Lab #200346-0, New York samples (NYSDOH ELAP Lab #11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. ARMA # 102843.

URS Corporation
1515 Broadway, 35th Floor
New York, NY 10036

201092461

Chain-Of-Custody

Project No.

Location

Peck Slap

Sampler:

Sampler: Fed Saunders

Date _____

9/19/01

Equipment:

Sample ID	Sample Code	Description	Time On	Time Off	Total Minutes	Flow Rate	Total Volume	Fibers/CC	Analysis
PS-4E-B1		BERKMANE	8:45	12:00	195	5	975		
PS-4F-B2		WEST AREA	8:45	12:00					
PS-4F-B3		EAST AREA	8:45	12:00					
PS-4F-B4		ELEVATOR	8:45	12:00					
PS-4F-B5		EAST WALL	8:45	12:00					
PS-ET-1		100 NORTH WALL	9:40	12:00					
PS-ET-2		EAST TEST LABS/USE REMOVAL	3:35	5:20	105	12	1260		
PS-ET-3		" "							
PS-WT-1		" "							
PS-WT-2		WEST TEST LABS/USE REMOVAL							
PS-WT-3		" "							

Signature:

20

Relinquished:

Date: 9/19/01

Print Name: Y. K. G. O. M. S. H. A. C. O. R. E. E. R. E.

Relinquished:

Date:	Page:
---------------------	---------------------

Received	
Disbursed	

Date: _____

Mr. Nick DeCarlo, CHMM, CPEA
Disaster Response and Recovery
Peck Slip Station
October 3, 2001

Attachment B

Field Log and Floor Plan

DAILY FIELD REPORT

PROJECT: <u>USPS EMERGENCY RESPONSE</u>	SHEET: <u>1</u> OF <u>1</u>
PROJECT NO.:	DATE: <u>9-19-01</u>
CLIENT: <u>USPS</u>	STAFF: <u>T. SANDOZMENICO</u>
SITE: <u>PECK SLIP STATION</u>	CONTRACTOR(S): <u>CES</u>
WEATHER: <u>SUNNY/NADY.</u>	VISITOR(S):
SUMMARY OF DAILY ACTIVITIES:	
0830 - CREW P. SURV. ARRIVED ON SITE. PREPPED AREA IN MEN'S RESTROOM @ SOUTH END OF ROOM. - AFTER AREA WAS CLEARED, ^{APPROVED.} REMOVAL OF ACUM PIPE INSULATIONS TOOK PLACE. SEE DETAIL'S IN DETAILED FLOOR PLAN. - SOME AREAS WERE REPAIRS BY USING WETTABLE CLOTH'S TO SEAL EXPOSED ENDS OF PIPE LAGGING INSULATION. 1200 - ALL ABATEMENT DONE. CREW CONTINUED FURTHER CLEAN-UP OF ENTIRE FLOOR AREA INCLUDING TENTS THAT WERE SET-UP FOR ACUM ABATEMENT. 1430 - CREW DONE WITH CLEAN-UP. INSPECTION OF THE AREA WAS DONE WITH THE SURV. OF CES. 1530 - CLEARANCE WAS GIVEN AND FINAL AIR TESTS ARE NOW BEING TAKEN. CREW LEFT SITE. 1800 - ALL SURV AIR SAMPLES FOR ASBESTOS, LEAD, AND SILICATES ARE DONE. URS OFF SITE TO DROP OFF SAMPLES TO LAB.	
URS Greiner Woodward Clyde Offices Worldwide	REPORTED BY:

K:\BUFFALO\FORMS\FIELDRT.DOC

Sep 25 01 07:55a

P. 6

CLIENT/SUBJECT USPS

TASK DESCRIPTION EMERGENCY CABIN-UP

PREPARED BY E. SALUD DEPT _____ DATE 9-18-01

MATH CHECK BY _____ DEPT _____ DATE _____

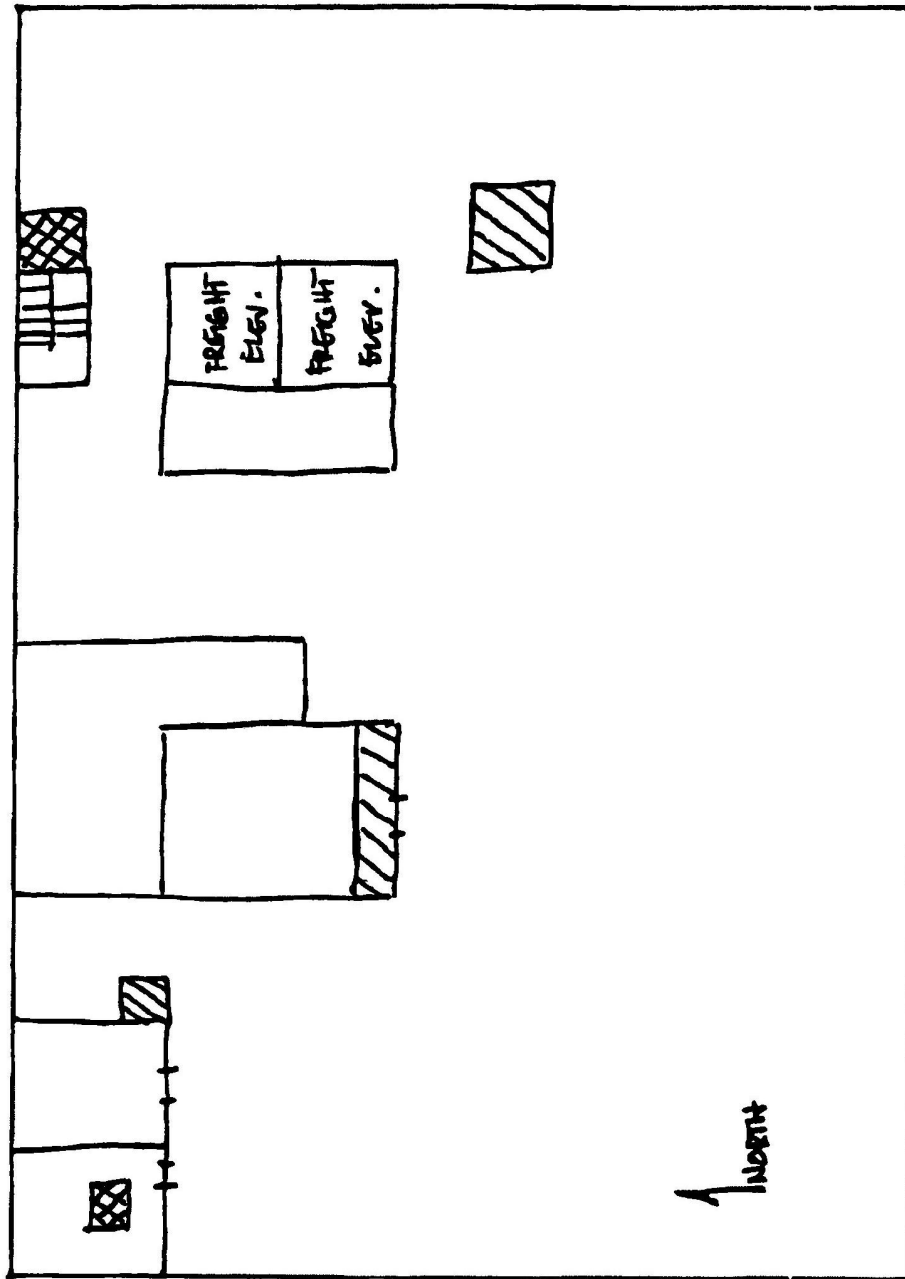
METHOD REV. BY _____ DEPT _____ DATE _____

APPROVED BY _____ DEPT _____ DATE _____

SHEET _____ of _____

W.O. NO. _____

TASK NO. _____



LEGEND:

 - ACM TEST WORK AREAS

 - PATCH & REPAIR WORK

PECK SLIP STATION
4TH FLOOR