

E176 WTC



NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Asbestos Control Program
 59-17 Junction Boulevard, 8th Floor, Corona, NY 11368-5107

ASBESTOS PROJECT NOTIFICATION
(ASBESTOS INSPECTION REPORT)

TRU 1584 MN02
 Building Dept. or TRU No
 FOR OFFICIAL USE ONLY
 1. NYC DEP
 (See fee schedule)

When submitting this form at the NYC Department of Buildings, the original form and three (3) copies with original signatures are required. Submittal at the NYCDEP requires one copy of the form with original signatures. This form must be submitted to the NYC DEP not less than one week in advance of the start of abatement activities.

I. FACILITY

2. Address 90 FULTON STREET Borough MAN Zip 10038
 AKA _____ 3. Block 77 4. Lot 23
 5. Type of Facility MIXED USE 6. Name of Building _____

II. BUILDING OWNER

7. Name _____ 8. Contact Person _____
 9. Tel. # _____ Fax # _____
 10. Address _____ City _____ State _____ Zip _____

III. GENERAL CONTRACTOR

11. Name _____ Tel. # _____

IV. ASBESTOS ABATEMENT CONTRACTOR

12. Name BENJAMIN KURZBAN & SON CONTROL INC 13. Contact Person LOUIE IANNICO
 14. Federal Employer ID. # PII 15. Tel. # (718) 531-2900 Fax # (718) 209-1808
 16. Address 1248 RALPH AVENUE City BROOKLYN State NY Zip 11236

V. THIRD PARTY AIR MONITOR

17. Name WARREN & PANZER ENGINEERS 18. Contact Person MICHAEL NOLAN
 19. Federal Employer ID. # PII 20. Tel. # (212) 922-0077 Fax # (212) 922-0630
 21. Address 228 EAST 45TH STREET City NEW YORK State NY Zip 10017
 22. Sample Analysis Laboratory _____ 23. NYS DOH ELAP # _____

VI. PROJECT INFORMATION

24. Starting date for this portion of work 09/27/02 Projected completion date 10/27/02

Asbestos work schedule ☒ Monday ☒ Tuesday ☒ Wednesday ☒ Thursday ☒ Friday ☒ Saturday ☒ Sunday

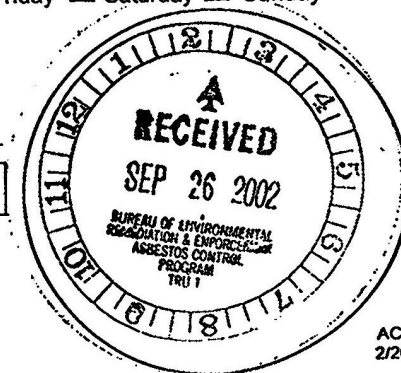
Shift from: 8⁰⁰ ☒ am ☐ pm to 8⁰⁰ ☐ am ☒ pm

If other, specify _____

Access to inspect the premises must be provided during the work schedule indicated in this item.

25. Total amount of asbestos-containing material to be abated during this work

8906 Square Feet, and/or 0 Linear Feet



ACF
2/20

ASBESTOS INSPECTION REPORT (continued)

26. Asbestos Hauler LES1, NY NYS DEC Permit # NJ-462 Tel.# (718) 522-2263

Disposal Site(s) BUE RIDGE LANDFILL PO BOX 399 SCOTSDALE PA 17254

27. This asbestos abatement is part of a (Item a through e requires filing of this form with NYC Department of Buildings)

- a) ☐ Demolition b) ☐ Boiler Replacement c) ☐ Sprinkler Replacement d) ☐ Renovation/Alteration
e) ☐ Fireproofing Replacement f) ☐ Other (Describe) _____

28. TYPE OF ABATEMENT (Check all appropriate boxes)

- ☐ Removal ☐ Enclosure ☐ Encapsulation ☐ Repair ☒ Clean up

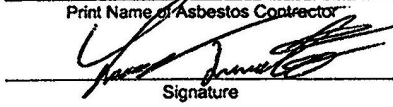
29. ABATEMENT PROCEDURE (Check all appropriate boxes)

- ☐ Full Containment ☐ Glovebag ☐ Tent ☐ DEP Variance Application

TRU 1584 MN02
30. LOCATIONS OF ABATEMENT
ROOF MATERIAL : ROOF MEMBRANE

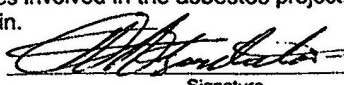
Floor(s)	DESCRIBE SECTION OF FLOOR (e.g. entire, east wing, room #, boiler room, lobby, etc)	AFFECTED SURFACES CONTAINING ACM (e.g. Pipe lagging, ceiling, plenum ducts, storage tanks, decking, etc.)	AMOUNT OF ACM SQUARE FEET	LINEAR FEET	DESCRIPTION OF WORK BEING PERFORMED (e.g. running cable, installing fire sprinklers, removing and replacing boilers, etc.)
ROOF		ROOF SURFACE	1216		
"		PARAPET WALLS	85		
"		BULK HEADS	300		
2ND FL	SET BACK	SET BACK ROOF SURFACE	900		
"	"	DUCTS, METAL, A/C	1100		
PIT		WALL & FLOOR SURFACES	2000		
FACADE	NORTH	FACADE SURFACES	1140		
"	SOUTH	FACADE SURFACES	665		
"	NORTH	FIRE ESCAPES & AWNING	1500		

31. I hereby declare that the information provided herein is true and complete to the best of my knowledge. I am familiar with Federal, State and NYC laws and regulations applicable to asbestos related work.

WARREN & PANZER ENGINEERS Print Name of Air Monitor  Signature <u>09-25-02</u> Date	R. KURZBAN & SON CONTROL Print Name of Asbestos Contractor  Signature <u>09-25-02</u> Date	Print Name of Applicant (If other than Owner) _____ Signature _____ Date _____
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32. I understand that as the owner of a building where asbestos abatement activity occurs, I am responsible for the performance of the asbestos abatement activities in accordance with the Asbestos Control Program Rules. I have contracted the third party air monitor who is completely independent of all parties involved in the asbestos project. I hereby declare that I have authorized the filing of this notification for the work specified herein.

 Print Name of Owner


 Signature

NYC DEP

09-25-02
 Date

A STAMPED COPY OF THIS FORM INCLUDING AMENDMENTS MUST BE AVAILABLE AT THE WORK SITE.

Any modification of information provided on this form must be reported immediately in writing directly to the NYC DEP ACP.

The requirements of the Asbestos Control Program Rules may not be lawfully avoided or lessened through the performance of work in incremental or piecemeal fashion.

ACP7
2/2001

09/30/2002 12:41 FAX 7187844085

018

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel: (718) 784-7480
Fax: (718) 784-4885

CLIENT: Warren & Pauter Engineers, P.C.

LABORATORY ID #: T02-09-103

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 90 Fulton St.

DATE OF REPORT: 09/28/02

DATE OF ANALYSIS: 09/28/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (grains/cm ²)	TOTAL ASBESTOS AIR CONC. (grains/cm ³)	TOTAL ASBESTOS FILTER CONC. (grains/cm ²)	AIR CONC. FOR STRUCT. 0.25-3µm	AIR CONC. FOR STRUCT. 0.25-9µm	ASBEST. TYPE CHRYS.	ANALYT. ASBEST. TYPE SPECIFY
1	T02-09-103-2599	On 2 nd Fl. on setback east	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
2	T02-09-103-2600	On 2 nd Fl. on setback west	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
3	T02-09-103-2601	On 2 nd Fl. on setback south	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
4	T02-09-103-2602	On 2 nd Fl. on setback north	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA
5	T02-09-103-2603	On 2 nd Fl on setback by entrance	1440	4	0.0554	0.0048	<0.0048	<18.07	NA	NA	NA	NA

E. SlanketANALYST
E. SlanketLABORATORY DIRECTOR
Spio Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 14955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassettes will be stored for sixty (60) days. AES Inc., should be notified within the time frame for a true duplicate analysis.
- If AES Inc., did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances the air concentration data is supplied solely for the convenience of the client.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

09/30/2002 12:41 FAX 7187844085

019

228 East 43rd Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0530

WARREN & PANZER ENGINEERS, P.C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr¹/a 12 hr¹/a 6 hr¹/a 3 hr¹/a Immediate ¹/a

P.O. _____

PAGE ____ OF ____

CLIENT: DEP
PROJECT: 90 FULTON ST
LOCATION: PHASE

W&P FILE #: 1019-81-01
LABORATORY: ATTENICIA
ANALYSIS METHOD: PCM TEM TEM
circle one 7420 AHERA EPA LEVEL II

CONTACT: [Signature]
LW#: [Signature]
SCA/DOB: [Signature]

TECHNICIAN: P. Balceva

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (lb./cc.)
1	on 2 nd fl. on sethew east	3		8	8	08:30	11:50	180	1440	
2	11 WEST					08:30	11:30			
3	11 SOUTH					08:31	11:31			
4	11 NORTH					08:31	11:31			
5	11 on sethew east by entrance	3		8	8	08:32	11:32	180	1440	
6										
7										
8										

COMMENTS:

T02-09-103

SAMPLE BY: J. Balceva DATE: 9/21/02
SIGNATURE: [Signature]
RELEASED BY: [Signature] DATE: 9/21/02
SIGNATURE: [Signature]
RECEIVED BY: [Signature] DATE: 9/24/02
SIGNATURE: [Signature]

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

09/30/2002 12:41 FAX 7187844085

020

**ATHENICA**

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7900
Fax (718) 784-4885**AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**

CLIENT: Warren & Parner Engineers, P.C.

LABORATORY ID #: T02-09-104

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 9092 Fulton St.

DATE OF REPORT: 09/28/02

DATE OF ANALYSIS: 09/28/02

EFFECTIVE FILTER AREA (mm²): 385**LABORATORY RESULTS**

CLIENT #	LAB. ID	LOCATION	VOLUME (l)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITV. (street/cm ³)	TOTAL ASBESTOS AIR CONC. (street/cm ³)	TOTAL ASBESTOS FILTER CONC. (street/cm ³)	AIR CONC. FOR STRUCT. 0.3-5.0µm	AIR CONC. FOR STRUCT. 25.0µm	ASBEST. TYPE CHRYS.	ANALYT. TYPE SPECIFY
01	T02-09-104-2604	Balance to roof	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
02	T02-09-104-2605	East side of roof	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
03	T02-09-104-2606	West side of roof	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
04	T02-09-104-2607	South side of roof	1800	4	0.0554	0.0039	<0.0039	<18.07	NA	NA	NA	NA
05	T02-09-104-2608	North side of roof	1800	4	0.0554	0.0039	0.0039	18.07	<0.0039	0.0039	Chrys.	NA

*E. Slack*ANALYST
E. SloukriLABORATORY DIRECTOR
Spero Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cascades will be stored for sixty (60) days. AES Inc. should be notified within this time frame for a true duplicate analysis.
- If AES Inc. did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report states only the items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the US Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

Ed Fed. S. D.

09/30/2002 12:42 FAX 7187844085

021

228 East 45th Street
New York, NY 10017

(212) 922-0077

Fax (212) 922-0630

WARREN & PANZER ENGINEERS, P.C.

PAGE ____ OF ____

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

P.O. _____

CLIENT: NYC DEPW&P FILE #: 1079-01-02

CONTACT: _____

PROJECT: ROOFLABORATORY: ATMICAANALYSIS METHOD: PCM TEM TEMcircle one 7400 AMER EPA LEVEL IILOCATION: 9092 Fulton StTECHNICIAN: FE817 OGBURGER

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR. (lb./cc.)
01	ENTRANCE TO ROOF	3		5	5	0830	1430	360	1800	
02	EAST SIDE OF ROOF	3		5	5	0831	1431	360	1800	
03	WEST " " " "	3		5	5	0832	1432	360	1800	
04	SOUTH " " " "	3		5	5	0833	1433	360	1800	
05	NORTH " " " "	3		5	5	0834	1434	360	1800	
06	BLANK									
07	" "									
08	" "									

COMMENTS:

T02-09-104

SAMPLE BY: <u>FE817 OGBURGER</u>	DATE: <u>09-22-02</u>
SIGNATURE: <u>[Signature]</u>	
RELEASED BY: <u>FE817 OGBURGER</u>	DATE: <u>09-22-02</u>
SIGNATURE: <u>[Signature]</u>	
RECEIVED BY: <u>[Signature]</u>	DATE: <u>9/24/02</u>
SIGNATURE: <u>[Signature]</u>	

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

10/02/2002 07:44 FAX

010

**ATHENICA**
 ENVIRONMENTAL SERVICES INC.
 Tel: (718) 784-7490
 Fax: (718) 784-4085

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-09-114

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.B.

 AVERAGE G.O. AREA (mm²): 0.013838

PROJECT: NYC DEP, 90/92 Fulton Street

DATE OF REPORT: 09/30/02

DATE OF ANALYSIS: 09/30/02

 EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID	LOCATION	VOLUME (m ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (fibre/cm ³)	TOTAL ASBESTOS AIR CONC. (fibre/cm ³)	TOTAL ASBESTOS FILTER CONC. (fibre/cm ²)	AIR CONC. FOR STRUCT. 0.25-0.1µm	AIR CONC. FOR STRUCT. 5-20µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
01	T02-09-114-2660	East side of facade	1680	4	0.0554	0.0041	<0.0041	<18.07	NA	NA	NA	NA
02	T02-09-114-2661	Center 1	1680	4	0.0554	0.0041	<0.0041	<18.07	NA	NA	NA	NA
03	T02-09-114-2662	Center 2	1680	4	0.0554	0.0041	<0.0041	<18.07	NA	NA	NA	NA
04	T02-09-114-2663	Center 3	1680	4	0.0554	0.0041	<0.0041	<18.07	NA	NA	NA	NA
05	T02-09-114-2664	West side of facade	1680	4	0.0554	0.0041	<0.0041	<18.07	NA	NA	NA	NA

E. Siakiri

 ANALYST
 E. Siakiri

 LABORATORY DIRECTOR
 Spiro Dougatis

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, FLAP 10955

- Athenica Environmental Services Inc. (AES) is responsible only for information pertaining to samples taken by its employees.
- Air sampling cascades will be sized for sixty (60) days. AES Inc. should be notified within this time frame for a duplicate analysis.
- If AES Inc. did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report creates only a screen test. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

10/02/2002 07:44 FAX

011

228 East 43rd Street
New York, NY 10017
(212) 922-0877
Fax (212) 922-0830

WARREN & PANZER ENGINEERS, P.C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

PAGE ____ OF ____
P.O. _____

CLIENT: NYC Def
PROJECT: FEDCON 1 PHASE
LOCATION: 90/92 Fulton St

W&P FILE #: 1079-01-02
LABORATORY: _____
ANALYSIS METHOD: PCM TEMA TEMA
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: Ferguson BSEWMEANE

CONTACT: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	FLOWRATE STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (lb./cc.)
01	EAST SIDE OF PHASE	3		8	9	0940	1310	210	1680	
02	CENTER 1	3		8	8	0941	1311	210	1680	
03	CENTER 2	3		8	8	0942	1312	210	1680	
04	CENTER 3	3		8	8	0943	1313	210	1680	
05	WEST SIDE OF PHASE	3		8	8	0944	1314	210	1680	
06	BLANK									
07	11									
08	11									

COMMENTS:

102-09-114

SAMPLE BY: Ferguson BSEWMEANE DATE: 09-29-02
SIGNATURE: [Signature]
RELEASED BY: Ferguson BSEWMEANE DATE: 09-29-02
SIGNATURE: [Signature]
RECEIVED BY: A. S. [Signature] DATE: 9/30/02
SIGNATURE: [Signature]

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

Asbestos Inspection Report

Premise No. 90 FULTON STREET					Inspection Date: AS NOTED	
Floor ROOF & FACADE	Zip 10038	Borough 1	Block 77	Lot 23	Squad # N/A	Badge # A020
Inspector Dennis Antzoulatos		Building Type MIXED USE		Basis of Inspection WTC Survey		Photos Taken (Yes/No)
Contractor's Name Benjamin Kurzban & Son Control				Sample Number N/A		
Address City 1248 Ralph Avenue, Brooklyn				Sample Number N/A		
State Zip Phone NY 11236 (718)531-2900				Sample Number N/A		
Laboratory Name Warren & Panzer Engineers Inc.				Owner's Name		
Address City 228 East 45 Street New York				Address City		
State Zip Phone NY 10017 (212) 922-0077				State Zip Phone		
Contact Person				Time of Inspection from: AS NOTED		

THURSDAY SEPTEMBER 26 2002

THE CLEAN UP OF THE ROOF OF THE PREMISE BEGAN TODAY. THE CLEAN UP OF THE ROOF OF THE ADJACENT PREMISE WAS CONDUCTED SIMULTANEOUSLY (92 FULTON STREET). FOR THE PURPOSES OF AIR SAMPLING THE ROOF AREAS OF THESE TWO BUILDINGS WERE TREATED AS ONE WORK AREA. AIR SAMPLING FOR THIS PORTION OF THE CLEAN UP WAS PERFORMED BY FESTY OSEMWEGIE (CERTIFICATE # AH 01-01030 EXP 01/03)

FRIDAY SEPTEMBER 27 2002

THE CLEAN UP OF THE ROOF OF THE PREMISE AND THE ADJACENT PREMISE (92 FULTON STREET) WAS COMPLETED TODAY. AIR SAMPLING FOR THIS PORTION OF THE CLEAN UP WAS PERFORMED BY FESTY OSEMWEGIE. THE CLEAN UP OF THE REAR (SOUTH) FACADES WAS PERFORMED TODAY. AIR SAMPLING FOR THE REAR FACADE CLEAN UP WAS PERFORMED BY JERSON GARRIA (CERTIFICATE # AH-01-11633 EXP 03/03) OF WARREN & PANZER.

SATURDAY SEPTEMBER 28 2002

THE CLEAN UP OF THE SET BACK ROOF AREAS OF 92 FULTON AND 90 FULTON WERE CONDUCTED. FOR THE PURPOSES OF AIR SAMPLING THE SET BACK AREAS OF BOTH BUILDINGS WERE TREATED AS ONE WORK AREA. AIR SAMPLING FOR THIS PORTION OF THE CLEAN UP WAS PERFORMED BY FESTY OSEMWEGIE AND IDRIS IDOUNY (CERTIFICATE # AH 02-11201 EXP 05/03)

SUNDAY SEPTEMBER 29 2002

THE CLEAN UP OF THE NORTH (FRONT) FACADE OF THE PREMISE AND THE ADJACENT PREMISE (92 FULTON ST) WAS CONDUCTED. A BOOM TRUCK WAS USED TO ACCESS FACADE SURFACES. A DECON TRUCK WAS UTILIZED. A PLASTIC DYKE WAS CONSTRUCTED TO COLLECT WATER RUN OFF. AIR SAMPLING WAS PERFORMED BY FESTY OSEMWEGIE. AIR SAMPLES WERE SET UP ON THE OPPOSITE SIDEWALK. ALL CLEANED WORK AREAS WERE INSPECTED AND NO VISIBLE WTC DEBRIS WAS OBSERVED. THE CLEAN UP PROJECT IS NOW COMPLETE