Prepared for

Atlantic Richfield Company
515 South Flower Street
Los Angeles, California 90071

FINAL COMPLETION REPORT

REMEDIAL ACTIVITIES FOR SEPARATOR AND POWERHOUSE

SINCLAIR REFINERY SITE WELLSVILLE, NEW YORK

VOLUME IV

Prepared by

GeoSyntec Consultants
5775 Peachtree Dunwoody Road
Atlanta, Georgia 30342

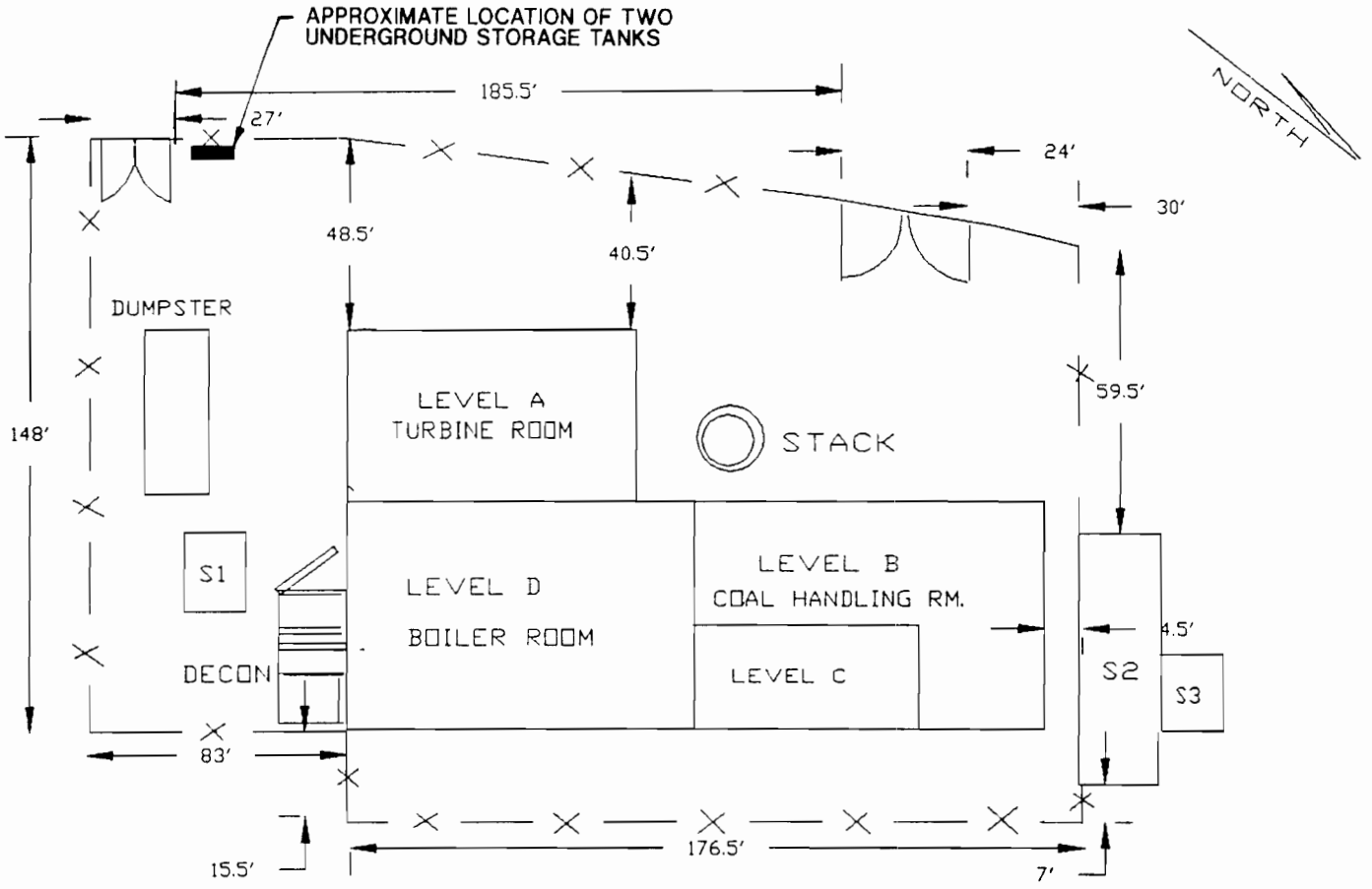
Project Number GQ3201

April 1994

APPENDIX J

POWERHOUSE DRAWING

POWERHOUSE BUILDING



GeoSyntec Consultants ATLANTA, GEORGIA	FIGURE NO. —
	PROJECT NO. GQ3201.R19
	DOCUMENT NO. GA940082
	FILE NO. DF

APPENDIX K

POWERHOUSE DOCUMENTATION

- Hartman Engineering Reports
- Non-Friable ACM Disposal Records
- Friable ACM Manifests
- Vibration Monitoring of Smokestack Demolition
- Laboratory Analysis of Backfill Material
  - Backfill Material Chemical Analysis
  - Backfill Material Physical Analysis
- Underground Storage Tank Data
  - Incident Report
  - VOC Sample Data
  - Liquid Sample Data
  - Soil Sample Data North Tank
  - Soil Sample Data South Tank

HARTMAN ENGINEERING REPORTS

Hartman Engineering

4910 Ransom Road, Clarence, New York 14031-2114 • (716) 759-2800

September 27, 1993
Job No. 93-320

Mr. Richard Radel
Vice President of Operations
Kimmins Industrial Service Corp.
PO Box 120
Niagara Falls, NY 14303-8020

Re: Demolition of Power House Structure at
ARCO Property in Wellsville, NY

Dear Mr. Radel:

In accordance with your request, I visited the demolition site on Friday, September 24; the purpose of the visit was to observe the demolition project and to develop recommendations for prudent safety procedures related to removal of debris from the northern sector of the building.

Mr. Steve Mancini of Kimmins worked with me and provided assistance during the visit. I discussed the project with Mr. Robert Ivy of ARCO prior to my inspection. Mr. Mancini, Mr. Ivy and I met for a summary meeting after my inspection.

My evaluation involved two primary activities:

(1) visual inspection of the structure from the manlift, and
(2) load testing of the floor slab in the debris cleanup area.

The load testing was accomplished by dropping a two-ton wrecking ball onto the debris through a free fall distance of approximately 1.5 to 2 feet.

Based upon my observations, upon the performance of the floor during the load tests, and upon consultation with Mr. Mancini and Mr. Ivy, it is my opinion that debris can be removed from the cleanup area provided that certain precautions are observed. With reference to the enclosed schematic plan, the nine recommended precautions are:

(1) loose bricks, mortar, etc., are to be removed from the overhead area labeled "1" on the plan;
(2) loose bricks, mortar, etc., are to be removed from the overhead area labeled "2" on the plan;
(3) the overhead cantilever column at location "3" is to be inspected to determine whether torch cutting has weakened it to the point that it might fall and, if so, it is to be removed;

(4) the unattached steel plate located above the work area approximately at location "4" is to be removed,
(5) the existing roof slab will be removed to the limit indicated on the plan;
(6) the equipment that will perform the cleanup on the concrete floor slab is a "Bobcat" loader which weighs approximately 5100 pounds;
(7) the Bobcat loader will have a protective front door in place and protective mesh installed on the rear window prior to entering the debris cleanup area;
(8) the Bobcat loader will run only on visible concrete slab (not on top of the debris) in order to avoid passing over openings in the floor;
(9) while personnel are located in the debris cleanup area, demolition by the crane will occur no closer than the south exterior wall of the building.

After items (1) through (7) above are completed, cleanup in the designated area can proceed consistent with items (8) and (9).

Items (1) through (9) were discussed and agreed upon by Mr. Mancini, Mr. Ivy and me during the summary meeting. In addition, Mr. Ivy indicated that he will request that I visit the site again when the debris from the southern portion of the structure is to be removed.

I trust that this provides the information you need. If not, or if you have additional questions, please contact me.

Sincerely,

HARTMAN ENGINEERING

Richard J. Hartman

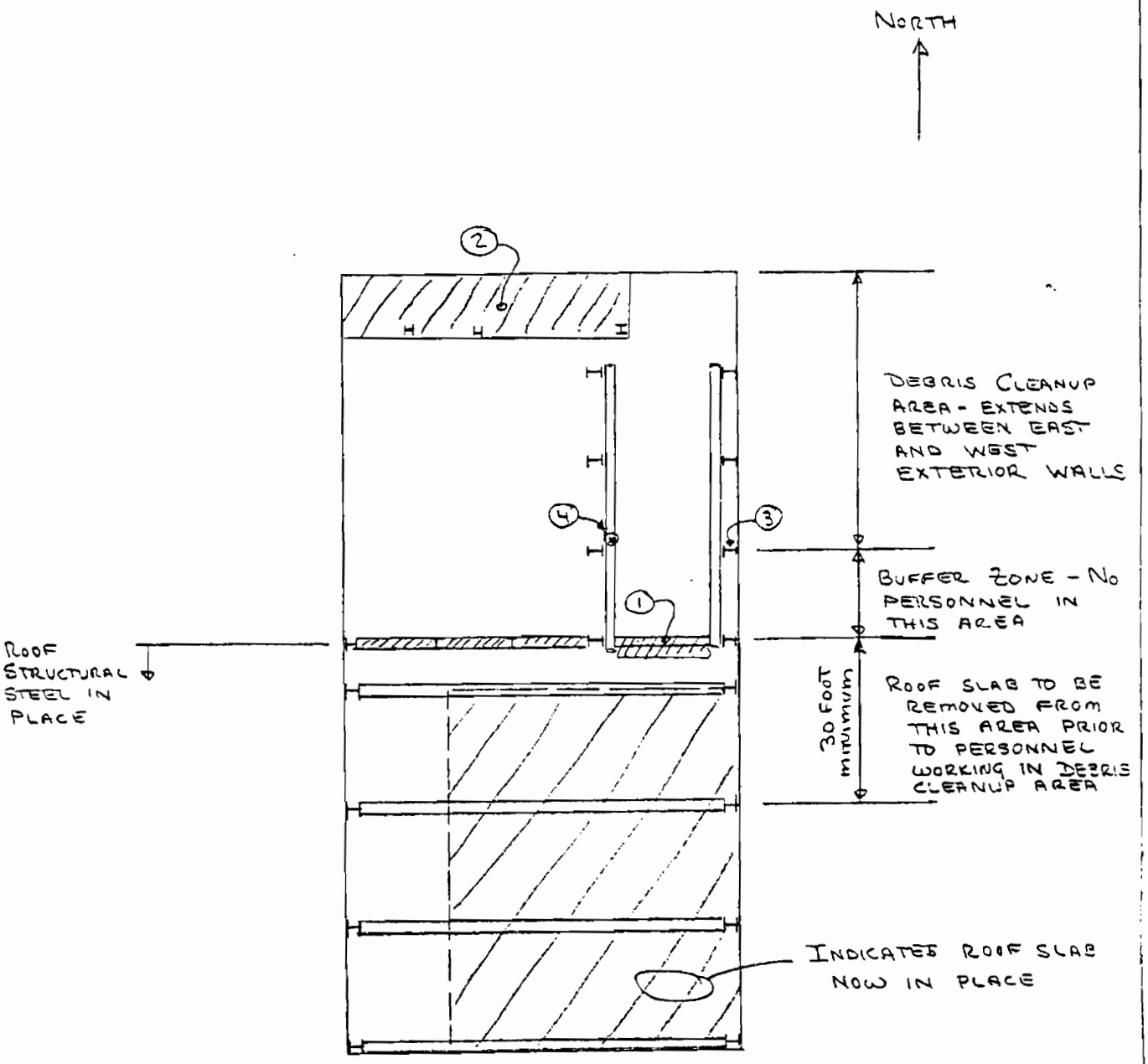
Richard J. Hartman, PE

RJH:aez
Enclosure

HARTMAN ENGINEERING

BY RJH DATE 9/27/93 SUBJECT _____ SHT. NO. SP-1 OF 1

CHKD. BY _____ DATE _____ JOB NO. 93-320



SCHEMATIC PLAN OF POWER HOUSE DEMOLITION SITE

(NO SCALE)

*** END OF DOCUMENT ***

Hartman Engineering

4910 Ransom Road, Clarence, New York 14031-2114 • (716) 759-2800

October 11, 1993
Project 93-320

Mr. Richard Radel
Vice President of Operations
Kimmins Industrial Service Corp.
P.O. Box 120
Niagara Falls, NY 14303-8020

Re: Demolition of Power House Structure
at ARCO Property in Wellsville, NY

Dear Mr. Radel:

In accordance with your request, I visited the demolition site on Saturday, October 9; the purpose of the visit was to observe the demolition project and to develop recommendations for prudent safety procedures related to removal of debris from the southern sector of the building. This was my second visit to the site; the initial visit was conducted September 24 and it was followed by my letter report dated September 27.

Mr. Steve Mancini of Kimmins worked with me and provided assistance during the visit. I discussed the situation with Mr. Robert Ivy of ARCO prior to my inspection, and we discussed the findings after the inspection.

My evaluation was based upon visual inspection of the structure from the manlift and from the ground. Load testing of the floor was not feasible during this inspection because the remaining portions of the structure prevented access for a wrecking ball and crane line. I was, however, able to observe the remaining lower floor slab through access on the east side of the building.

The primary findings of my inspection are:

(A) the structural steel framing supporting the hopper, roof slab, walls, etc., appears sound, and work adjacent to it and within it is not believed to be hazardous relative to collapse of the structure,

(B) the lower floor slab (located approximately 6 feet higher than the surrounding grade) and the steel framing supporting it appear to be sound, and the use of a small "Bobcat" loader on it is considered to be satisfactory,

(C) several locations (listed below) exist where debris is potentially hazardous, as it may fall.

With reference to the sketch on enclosed sheet SP-2, the debris items in (C) above are:

(1) bricks and other small items of debris are situated on the girders,
(2) a piece of concrete debris is situated on two parallel electrical conduits,
(3) bricks located at the demolition faces at the north and south ends of the brick walls should be inspected, and loose bricks should be removed,
(4) three separate pieces of concrete are hanging from the frame,
(5) individual bricks and other debris are situated on the window sills of the east exterior wall,
(6) debris is located on top of the roof slab along the north, south, and east edges,
(7) debris is located on the north edge of the slab which is situated approximately 10 feet below the roof slab.

Items (A) to (C) and (1) to (7) were discussed with Mr. Mancini and Mr. Ivy.

It is my opinion that cleanup of debris in the south portion of the building can proceed safely provided the debris items noted above are removed first. Additionally, the Bobcat loader can be used on the floor slab discussed in Item (B) above. This is conditional upon maintaining the protective equipment on the loader and also upon no further demolition of the structure above until the current debris cleanup is completed.

I trust that this provides the information you need. If not, or if you have additional questions, please contact me.

Sincerely,

HARTMAN ENGINEERING

Richard J. Hartman

Richard J. Hartman, PE

RJH:aez
Enclosures

HARTMAN ENGINEERING

BY RJH DATE 10/11/93 SUBJECT _____ SHT. NO. SP-2

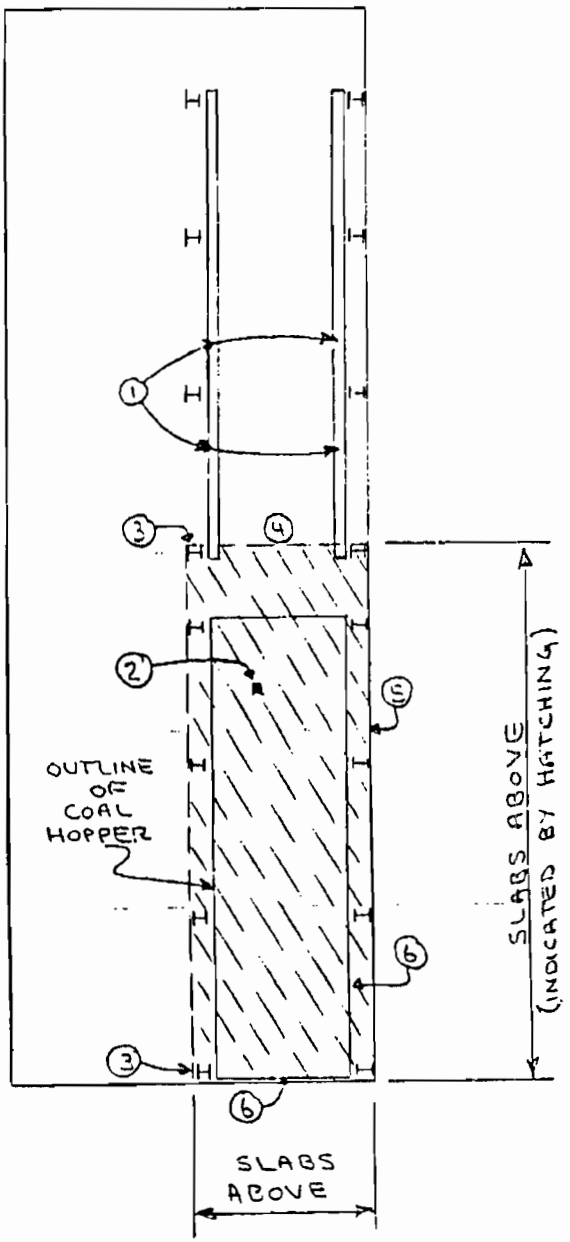
CHKD. BY _____ DATE _____ JOB NO. 93-22

SCHEMATIC PLAN OF POWER HOUSE AT ARCO SITE

SITE VISIT OCTOBER 9, 1993

(NO SCALE)

NORTH



NON-FRIABLE ACM
DISPOSAL RECORDS

KS LaForge Inc
EXCAVATING

P.O. Box 425 ~ 3090 Trapping Brook Road
Wellsville, New York 14895
Phone (716) 593-6177 ~ FAX (716) 593-3943

Date 9-30-93

[illegible]
Environmental
[illegible]

TK, NO 30 21

Layer	1	16 yd	Asbestos	ACM	
Layer	2	16 yd	Asbestos	ACM	
Layer	3	16 yd	Asbestos	ACM	
Layer	4	16 yd	Asbestos	ACM	
			(non-friable)		

11-1

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 9-30-93

Customer KIMMINS Phone

Environmental

Project

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair-Arco

No. of Loads 1

Total Yardage 16 ACM

Drivers Signature

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

11.

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 9-30-93

Customer KIMMINS Phone

Environmental

Project

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair - Arco

No. of Loads 2

Total Yardage 16 A.C.M.

J Mauro

Drivers Signature

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

2

114

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 9-30-93

Customer CUMMINS Phone

Environmental

Project

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair

No. of Loads 3

Total Yardage 16 AGM ACM

JM

Drivers Signature

(3)

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

11/

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 9-30-93

Customer KIMMINS Phone

Monumental

Project

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair

No. of Loads 4

Total Yardage 16 8 ACM

[signature]

Drivers Signature

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

048

KS LaForge Inc
EXCAVATING

P.O. Box 425 ~ 3090 Trapping Brook Road
Wellsville, New York 14895
Phone (716) 593-6177 ~ FAX (716) 593-3943

Date OCT 5-93

Kimmins
Environmental
[illegible]
Sinclair - Arco

Load #1 16 yd A [illegible]
Load #2 ~~16~~ 12 cyds ACM
(non-friable)

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 10-5-93

Customer KIMMINS Phone

[illegible]

[illegible]

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair - Arco

No. of Loads 1

Total Yardage 16

[illegible signature]

Drivers Signature

ACM [illegible]

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

Southern Tier Kleen Fill Inc.

P.O. Box 425
Wellsville, N.Y. 14895

Phone (716) 593-6177 *Fax (716) 593-3943*

Date 10-5-93

Customer KIMMINS Phone _____

_____

_____

Truck No. 30-21

Truck Size (Cu. Yds.) 16

Project Name Sinclair - Arco

No. of Loads 2

Total Yardage ~~16~~ 12 cyds

_____

Drivers Signature

Copy 1 Driver
Copy 2 Customer
Copy 3 STKF

2 ACM

FRIABLE ACM MANIFESTS

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

Pro # 931715

WASTE MANIFEST

DATE: 9/9/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

Atlantic Richfield Company
515 S. Flower Street
Los Angeles, CA 90071

Site Supervisor: Robert Ivy
Type of ACM: Bagged Roofing

MATERIAL ORIGIN SITE

OLd Sinclair Refinery Site
2448 S. Brooklyn Avenue
Wellsville, NY 14895

Site Phone: 716/593-7301
Disposal Quantity: 75 CY 22.42 Tons

TRANSPORTER NAME AND ADDRESS

NHD, Inc.
Route 309 N - P.O. Box 398
Drums, PA 18222

Hauler Permit No.: PAD 987 369 055
Trailer No.: NHD PA 170
Phone No.: 717/455-8038

Print Driver's Name: Lou Schemp
Driver Signature: Lou Schemp

LANDFILL NAME AND ADDRESS

S & S Landfill
Route 5
Clarksburg, WV 26301

Landfill Permit No.: SWC 490 291
Phone No.: 304/745-3234

Print Landfill Supv. Name: [illegible]
Landfill Supv. Signature: [illegible]
Date Delivery Received: 10/4/93

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark ____

Ticket # : 0013233
Date : 10/02/93

G & G GRADING, INC.

* REPRINT

ROUTE 5, BOX 559
CLARKSBURG, WV 26301-0000
Phone: (304)745-3234

Time In : 11:19
Time Out : 11:21

Hauler : NHD INC
Container :

Truck : 83854
DESC. 1 : PROM NO PRO
DESC. 2 : TRK 204

Customer : NHD INC
RT 309 N BOX 390

ORIGIN : ALBANY NY
PERMIT # : SWC-4902-91

DRUMS PA 18222-0000

Product : ASBESTOS
Category : ASBESTOS

Gross Lbs : 77,560
Tare Lbs : 32,716 AVG
Net Lbs : 44,844
Net Tons : 22.42
Yards : 100

WE APPRECIATE YOUR BUSINESS!

Operator : R M STUTLER

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(1)

WASTE MANIFEST

DATE: 10/13/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S FLOWER ST
LOS ANGELES, CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DUST + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/5937301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

NHO INC
ORUMS PA 18222
ROUTE 309 N. PO BOX 398

Print Driver's Name EARL ABBOTT

Driver Signature Earl Abbott

Hauler Permit No. PRO 931953

Trailer No. FO 174

Phone No. 717/455 8038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716/773 1721

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490 291

Phone No. 304/745 3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(2)

WASTE MANIFEST

DATE: 10/13/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/5937361

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

RHD INC
ROUTE 309 N PO BOX 398
ORUMS PA 18222

Print Driver's Name EDWARD KUNATH

Driver Signature Edward Kunath

Hauler Permit No. PRO 931954

Trailer No. 6761B

Phone No. 717/4558038

BUFFALO FUEL
2441 ALLEN AV.
NF NY 14304
716/773-1721

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490271

Phone No. 304/745 3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(3)

DATE: 10/13/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S. BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/ 593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

RHP INC
ROUTE 307 & PO BOX 378
ORVAS PA 18222

Print Driver's Name SETH MCCLYMONDS

Driver Signature Seth McClymonds

Hauler Permit No. PRO 931955

Trailer No. 6784 A

Phone No. 717/ 455 8038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716/ 773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWC 490 291

Phone No. 304/ 745 3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(4)

WASTE MANIFEST

DATE: 10/13/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWER ST.
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S. BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YD

TRANSPORTER NAME AND ADDRESS

NHP INC
ROUTE 309 & PO BOX 398
DRUMS PA 18222

Print Driver's Name Joe Meyers

Driver Signature Joe Meyers

Hauler Permit No. PRO 931756

Trailer No. D162

Phone No. 717/455-8038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716/773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490 291

Phone No. 304/745 3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(5)

WASTE MANIFEST

DATE: 10/14/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT & FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S. BROOKLYN AV
WELLSVILLE, NY 14895

Site Phone 716/593/7301

Disposal Quantity WEIGH AT LANDFILL
A.P 30 YDS

TRANSPORTER NAME AND ADDRESS

NHI INC
ROUTE 309 N - POBOX 398
ORUMS PA 18222

Print Driver's Name Lou Schempp

Driver Signature Lou Schempp

Hauler Permit No. PRO 931970

Trailer No. 428

Phone No. 717/ 455-6038

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490291

Phone No. 304/ 745-3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(6)

WASTE MANIFEST

DATE: 10/14/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S FLOWERS ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2446 S. BROOKLYN AV
WELLSVILL NY 14895

Site Phone 716/ 593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

NHD INC
ROUTE 309 N · PO BOX 398
PRUMS PA 18222

Print Driver's Name James Shaffer

Driver Signature

Hauler Permit No. PRO 931971

Trailer No. D104

Phone No. 717 415 6038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716/ 773 1921

LANDFILL NAME AND ADDRESS

SS LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name

Landfill Supv. Signature

Landfill Permit No. SWC 490291

Phone No. 304/ 745 3234

Date Delivery Received

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(7)

WASTE MANIFEST

DATE: 10/14/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWER ST
LOS ANGELES, CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2444 BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716 / 5937301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

NHD INC
ORVMS PA 18222
ROUTE 309 N PO BOX 398

Print Driver's Name Jim Buckley

Driver Signature

Hauler Permit No. PRO 931973

Trailer No. D-90

Phone No. 717 / 455 8038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716 / 773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name

Landfill Supv. Signature

Landfill Permit No. SWG 490291

Phone No. 304 / 7453234

Date Delivery Received

HIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(8)

WASTE MANIFEST

DATE: 10/14/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES, CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED NAT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2441 S. BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716 / 593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

NHD INC
ROUTE 390 N PO BOX 378
ORVAS PA 18222

Print Driver's Name Dave Jeffries

Driver Signature Dave Jeffries

Hauler Permit No. PRO 931572

Trailer No. O-158

Phone No. 717 / 455 6038

BUFFALO FUEL
2445 ALLEN ST
NF NY 1434
716 / 773 1521

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWC 490 291

Phone No. 304 / 745 3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(9)

DATE: 10/14/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES, CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S. BROADWAY ST
WELLSVILLE NY 14895

Site Phone 716/593-7361

Disposal Quantity WEIGH AT LANDFILL
APP. 30 YDS

TRANSPORTER NAME AND ADDRESS

NHD INC
ROUTE 309 N - PO BOX 398
DRUMS PA, 18222

Print Driver's Name WESLEY R. McCRACKEN

Driver Signature Wesley R. McCracken

Hauler Permit No. 931974

Trailer No. D-121

Phone No. 717/455-8038

BUFFALO FUEL
2445 ALLEN ST
NF NY 14304
716/773 1521

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWC 470271

Phone No. 304/745-3234

Date Delivery Received _____

IIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(10)

DATE: 6/15/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90017

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/5937301

Disposal Quantity WEIGH AT LANDFILL
A.P 30 YD

TRANSPORTER NAME AND ADDRESS

NAD INC
ROUTE 309 N - BOX 98
ARVMS PA 18222

Print Driver's Name Nick Williams

Driver Signature Nick Willi

Hauler Permit No. 931987

Trailer No. D124

Phone No. 717/455-8038

BUFFALO FUEL
2441 ALLEN AV
NF NY 14304
716/773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKS BURG WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490291

Phone No. 304/745-3234

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(11)

DATE: 10/15/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFEILD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90017

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2445 S. BROOKLYN AV
WELLSVILL NY 14895

Site Phone 716/ 593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YD

TRANSPORTER NAME AND ADDRESS

NHO INC
ROUTE 309 N PO BOX 398
DRUMS PA 18222

Print Driver's Name Ken Needham

Driver Signature Kenneth J Needham

Hauler Permit No. 93190

Trailer No. D-169

Phone No. 717 4558038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716 773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG WV 26301

Print Landfill Supv. Name ________

Landfill Supv. Signature ________

Landfill Permit No. SWC 490 291

Phone No. 304/ 745 3234

Date Delivery Received ________

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark ________

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(12)

WASTE MANIFEST

DATE: 10/15/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFEILD COMPANY
515 S FLOWERS
LOS ANGELES CA 90017

Site Supervisor ROBERT IVY

Type of ACM DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S BROADWAY AV
WELLSVILL NY 14895

Site Phone 716/593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YD

TRANSPORTER NAME AND ADDRESS

MHD INC
ROUTE 309 N POBOX 398
DRUMS PA 18222

Print Driver's Name ROBERT LEYKE

Driver Signature Robert Leyke

Hauler Permit No. 931959

Trailer No. 7194A

Phone No. 717/ 457 8038

BUFFALO FUEL
2445 ALLEN AV
NFNY 14304
716/ 733 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKS BURG WV 26301

Print Landfill Supv. Name

Landfill Supv. Signature

Landfill Permit No. SWL 490 291

Phone No. 304/ 745 3234

Date Delivery Received

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark ____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(13)

WASTE MANIFEST

DATE: 10/15/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90017

Site Supervisor ROBERT IVY

Type of ACM DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2445 S BROOKLYN AL
WELLSVILL NY 14895

Site Phone 716/5933301

Disposal Quantity WEIGH AT LANDFILL
APP 30YD

TRANSPORTER NAME AND ADDRESS

NHO INC
ROUTE 309 N POBOX 378
PRUMS PA 18227

Print Driver's Name KEVIN UPDEGRAFF

Driver Signature

Hauler Permit No. 931988

Trailer No. 7141A

Phone No. 717/455-5038

BUFFALO FUEL
2445 ALLEN AL
NFNY 14304
716/7331921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG, WV 26301

Print Landfill Supv. Name

Landfill Supv. Signature

Landfill Permit No. SWF 7902 91

Phone No. 304/745-3234

Date Delivery Received

HIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(14)

DATE: 10/15/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90017

Site Supervisor ROBERT ICY

Type of ACM MIXED DRY + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2445 S. BROOKLYN AV
WELLSVILLE NY 14895

Site Phone 716/593 7301

Disposal Quantity WEIGH AT LANDFILL
APP. 30 YD

TRANSPORTER NAME AND ADDRESS

NHO INC
ROUTE 309 N POBOX 398
DRUMS PA 18222

Print Driver's Name SETH MCCLYMONDS

Driver Signature Seth McClymonds

Hauler Permit No. 931970

Trailer No. 6784A

Phone No. 717/455 8038

BUFFALO FUEL
2445 ALDEN AV
NEMY 14304
716 773 1921

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWC 490 291

Phone No. 304/745 3234

Date Delivery Received _____

HIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(15)

WASTE MANIFEST

DATE: 10-18-93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ALANTIC - RICHFEILD - COMPANY
515 - S - FLOWER ST
LOS - ANGELES - CA - 90071

Site Supervisor ROBERT - IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD - SINCLAIR. REFINERY
2448 · BROOKLYN · AVE
WELLSVILLE · N.Y. 14895

Site Phone 716-593 2289

Disposal Quantity WEIGH - AT LANDFILL
APP 30 YDS

TRANSPORTER NAME AND ADDRESS

N.H.D INC.
DRUMS - PA. 18222
ROUTE 309 N. P.O. BOX 398

Print Driver's Name James Shuttler

Driver Signature

Hauler Permit No. 931994- 931953

Trailer No. 7193

Phone No. 717-455-8038

BUFFALO FUEL
2445 ALLEN AVE.
N.F. N.Y 14304
716-7731921

LANDFILL NAME AND ADDRESS

S T S LAND FILL
ROUTE 5
CLARKSBURG W.V. 26301

Print Landfill Supv. Name

Landfill Supv. Signature

Landfill Permit No. SWL. 490 291

Phone No. 304-745-3234

Date Delivery Received

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

DATE: 10-18-93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC - RICHFEILD - COMPANY
515 - S FLOWER ST
LOS - ANGELES - CA - 90071
Site Supervisor ROBERT · IVY
Type of ACM MIXED · DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD · SINCLAIR - REFINERY
2448 BROOKLYN · AVE
WELLSVILLE · N.Y. 14895
Site Phone 716 · 593 7301
Disposal Quantity WEIGH AT LAND FILL
APP 30YD

TRANSPORTER NAME AND ADDRESS

N.H.O. INC
DRUMS P.A. 18222
ROUTE · 309 · N · P.O. BOX 398
Print Driver's Name [illegible]
Driver Signature [illegible]

Hauler Permit No. PRO 931-953 9A-178
Trailer No. 118 -
Phone No. 717 - 455 - 8038

BUFFALO · FUEL ·
2445 ALLEN · AV
N.F.N.Y. 14304
716 - 773 - 1921

LANDFILL NAME AND ADDRESS

S + S - LAND FILL
ROUTE · 5
CLARKSBURG · W.V. 26301
Print Landfill Supv. Name _____
Landfill Supv. Signature _____

Landfill Permit No. SWL-490-291
Phone No. 304 - 745-3234
Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark _____

YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

WASTE MANIFEST

DATE: 10-18-93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ALANTIC-RICHFEILD COMPANY
515-S FLOWER. ST
LOS-ANGELES-CA. 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED-DIRT & FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR-REFINERY
2248 BROOKLYN AVE
WELLSVILLE N.Y. 14895

Site Phone 716-593 7301

Disposal Quantity WEIGHT AT LANDFILL
APP 30 YD.

TRANSPORTER NAME AND ADDRESS

N.H.O. ING.
DRUMS-PA-18222
ROUTE. 309 N. P.O BOX 398

Print Driver's Name [illegible]

Driver Signature [signature]

Hauler Permit No. 931993.

Trailer No. 6785

Phone No. 717-455-8038

BUFFALO-FUEL
2445 ALLEN. AV
N.F. N.Y. 14304
716-773-1921

LANDFILL NAME AND ADDRESS

SFS LANDFILL.
ROUTE 5
CLARKSBURG. W.V. 26031

Landfill Permit No. SWL. 490291

Phone No. 304-745-3234

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

[redacted]

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

(18)

WASTE MANIFEST

DATE: 10/19/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWER ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S BROADWAY AVE
WELLSVILLE NY

Site Phone 716 593 7301

Disposal Quantity WEIGH AT LANDFILL
APP 30 YD

TRANSPORTER NAME AND ADDRESS

NHP INC
ROUTE 309 ~ PO BOX 358
DRUMS PA 18222

Print Driver's Name Lou Schomp

Driver Signature Lou Schomp

Hauler Permit No. 931993

Trailer No. 428

Phone No. 717 455-8038

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKS WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWL 490 291

Phone No. 304/ 741-3334

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES ____ NO ____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

KIMMINS ABATEMENT CORP.

256 THIRD STREET • NIAGARA FALLS, NEW YORK 14303
(716) 282-2111

WASTE MANIFEST

(19)

DATE: 10/20/93 JOB NO.: 1950

GENERATOR NAME AND ADDRESS

ATLANTIC RICHFIELD COMPANY
515 S. FLOWERS ST
LOS ANGELES CA 90071

Site Supervisor ROBERT IVY

Type of ACM MIXED DIRT + FRIABLE

MATERIAL ORIGIN SITE

OLD SINCLAIR REFINERY
2448 S BROOKLYN AV
WELLSVILLE NY

Site Phone 716 593 7301

Disposal Quantity WEIGH AT LANDFILL
ASP 30 YDS

TRANSPORTER NAME AND ADDRESS

NHO INC
ROUTE 309 N PO BOX 338
ORUMS PA 18222

Print Driver's Name _____

Driver Signature _____

Hauler Permit No. 53 2016

Trailer No. D-162

Phone No. 717 455 8038

BUFFALO FUEL
2445 ALLEN AV
NF NY 14304
716/773 1521

LANDFILL NAME AND ADDRESS

S+S LANDFILL
ROUTE 5
CLARKSBURG WV 26301

Print Landfill Supv. Name _____

Landfill Supv. Signature _____

Landfill Permit No. SWC 490271

Phone No. 304/745 3334

Date Delivery Received _____

THIS LOAD WAS RECEIVED AS STATED BY GENERATOR - YES _____ NO _____

If No, please remark _____

WHITE - GENERATOR YELLOW - DISPOSAL FACILITY PINK - CONTRACTOR GOLD - CONTRACTOR

VIBRATION MONITORING OF SMOKESTACK DEMOLITION

VIBRA-TECH

REPORT

To: Controlled Demolition Inc.
2737 Merryman's Mill Road
Phoenix, Maryland 21131

Attn: Mr. Doug Loizeaux

Date: December 8, 1993

Subject: VIBRATION AND AIR-BORNE EFFECTS STUDY FOR
CONTROLLED DEMOLITION INC.
Chimney Demolition
Wellsville, New York
2 Analyzed Recordings
October 30, 1993

VIBRA-TECH
The Vibration Monitoring Experts

109 E. First Street, P.O. Box 577, Hazleton, PA 18201
717-455-5861 FAX 717-455-0626

December 8, 1993

Mr. Doug Loizeaux
Controlled Demolition Inc.
2737 Merryman's Mill Road
Phoenix, Maryland 21131

Dear Mr. Loizeaux:

Attached you will find our report covering the registration and analyses of the ground vibration and air-borne effects transmitted from the blasting conducted on October 30, 1993 at your chimney demolition project in Wellsville, New York.

Pertinent blast data, results of the blasting, and the original seismograph records are included on the enclosed blast sheets.

Please consult the seismograph report form and analysis sheet for vibration levels and our particular comments.

If we may be of further assistance in this matter, please advise.

Very truly yours,

VIBRA-TECH ENGINEERS, INC.

Robert T. Payne
Field Representative

Anthony J. Petro, P.E.
Chairman of the Board

RTP:lm

VIBRA-TECH ENGINEERS BLAST AND SEISMOGRAPHIC REPORT

BLAST DATA

Client CONTROLLED DEMOLITION, INC.

Job Location SINCLAIR REFINERY WELLSVILLE, NY

Date 10/30/93 Blast No. 1 Time 9 AM

Exact Blast Location

No. of Holes 53 Diameter 13/4" in. Avg. Depth 12'' ft. Subgrade N/A ft.

Spacing N/A ft. Burden N/A ft. Avg. Stemming N/A ft.

Make & Type of Explosives:

ICI POWERDITCH 1000 20 lbs.

_____ lbs.

_____ lbs.

_____ lbs.

_____ lbs.

Total Explosives 20 lbs.

Delay Make ICI ROCK MASTER

Delay Type & Nos. 25MS - 175MS - 7 period

Min. delay period 25 ms.

Max. lbs./delay period 4 lbs.

Blaster DOUG LOIZEAUX

Weather OVERCAST 40°

Wind Direction & Speed

DETAILED BLAST INFORMATION

Detail or Diagram Blast Layout Number of rows; Number of holes in each row; Number of decks per hole; amount of stemming between powder columns; nominal delay time between decks, holes and rows. (Use reverse side if necessary.)

SEISMOGRAPH DATA

Seismograph No. _____ Range/Gain Setting 4.0 ips

Everlert Only — Trigger Level ____ ips

Date of last Shake Table Calibration _____ Microphone Calibration _____

Air channel low frequency limit _____ Hertz

Exact Seismograph Location _____

Seismograph Distance & Direction from Blast 50' EAST OF STACK

Meters { Peak Overpressure _____ dB Scaled Distance _____

Meters { Peak Particle Velocity _____ ips Operator _____

Remarks:

Vibration Analysis by: _____ Date: _____

CONTROLLED DEMOLITION @
DATE 10/30/93
INSTRUMENT NO. 2-Gms4

OPERATION WELLSVILLE, NY
EVENT NO. 1
RANGE 4.00

THE SEISMOGRAPH RECORD

REPRESENTS DETONATION PROBABLE INTERFERENCE OF

The seismograph record represents the velocity of particle motion of the earth's surface. The record is in the form of four lines or traces. The topmost trace represents air pressure effects from the source measured in decibels, while the other three traces represent velocity of ground particle motion in three planes measured in terms of particle velocity versus time. The transverse trace represents horizontal velocity perpendicular to the direction from the source; the vertical trace represents velocity in the vertical direction; and the longitudinal trace represents horizontal velocity along a line joining the source and the recording location. Vertical lines at the bottom of the record indicate passage of time.

AIR BLAST ON RECORDING HEAD

AIR CONCUSSION = 0.08624 lbs/sq in = 149 dB

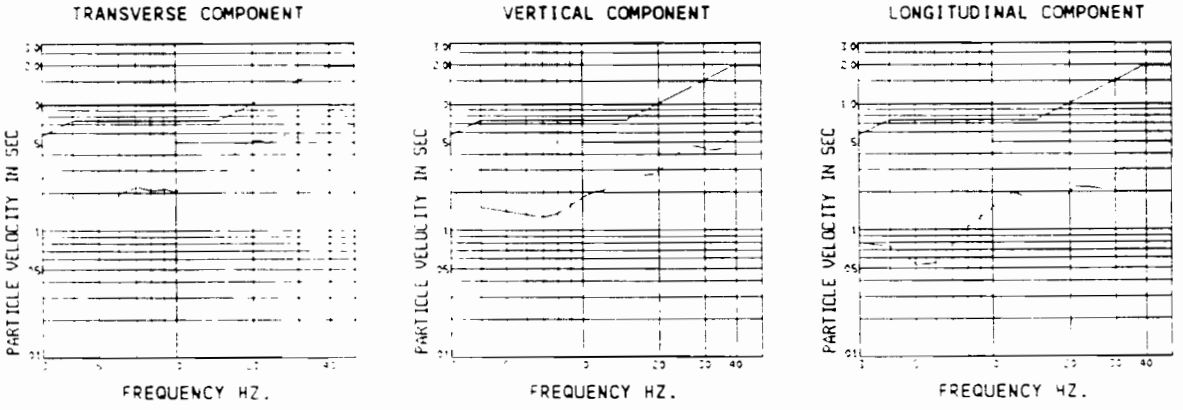
TRANSVERSE = 0.95 in/sec

VERTICAL = 0.83 in/sec

LONGITUDINAL = 0.79 in/sec

TIMING INTERVAL 0.1 SEC.

RSVP RESPONSE SPECTRA PLOT ON PEAK PARTICLE VELOCITY SCALE (U.S.B.M. APPENDIX 'B')



The vibrations satisfy the Variable Particle Velocity vs. Frequency Limits recommended by the U.S.B.M. Report RI-8507(Nov 1980)

440450450 004600380132 100100100 089083078145

VIBRA-TECH ENGINEERS INC.

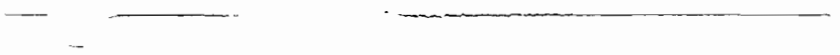
CONTROLLED DEMOLITION @
DATE 10/30/93
INSTRUMENT NO. 2-Gms4

OPERATION WELLSVILLE, NY
EVENT NO. 1 A
RANGE 4.00

THE SEISMOGRAPH RECORD — REPRESENTS STACK HITTING GROUND

The seismograph record represents the velocity of particle motion of the earth's surface. The record is in the form of four lines or traces. The topmost trace represents air pressure effects from the source measured in decibels, while the other three traces represent velocity of ground particle motion in three planes measured in terms of particle velocity versus time. The transverse trace represents horizontal velocity perpendicular to the direction from the source; the vertical trace represents velocity in the vertical direction; and the longitudinal trace represents horizontal velocity along a line joining the source and the recording location. Vertical lines at the bottom of the record indicate passage of time.

AIR CONCUSSION = 0.00962 lbs/sq in = 130 dB



TRANSVERSE = 0.34 in/sec

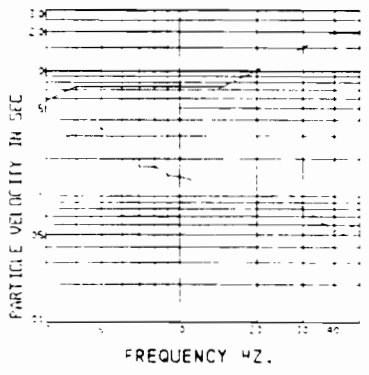
VERTICAL = 0.55 in/sec

LONGITUDINAL = 0.49 in/sec

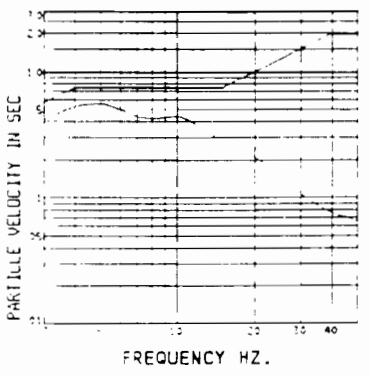
TIMING INTERVAL 0.1 SEC.

RSVP RESPONSE SPECTRA PLOT ON PEAK PARTICLE VELOCITY SCALE (U.S.B.M. APPENDIX 'B')

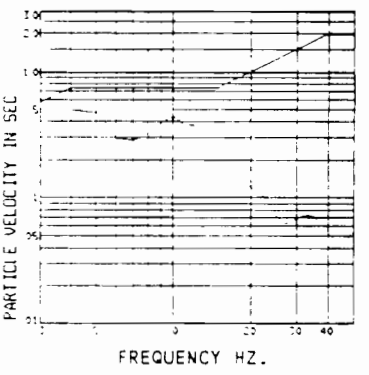
TRANSVERSE COMPONENT



VERTICAL COMPONENT



LONGITUDINAL COMPONENT



The NON-damage probability for this event was calculated as:

Type of Structure	1 STORY	1 1/2 STORY	2 STORY
NONDAMAGE Probability	100%	100%	100%

339440450450 026001480289 100100100 023042038061

VIBRA-TECH ENGINEERS INC.

LABORATORY ANALYSIS OF BACKFILL MATERIAL

BACKFILL MATERIAL
CHEMICAL ANALYSIS

SETI
SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD.

REPORT ON SOIL ANALYSIS

Name: *Walter Babbitt* **Phone:** *716 593-2754*
Address: *250 West State*
, NY

Date SAMPLE RECEIVED: Oct 22, 1993 Date REPORTED: Oct 25, 1993

Sampling address: *same.....*
Sampling POINT: *Babbitt Pit.....*

Sample Characteristics;
A. PHASE LAYERS [] bilayered [] multilayered [x] none.
B. PHYSICAL STATE at 70°F []solid []semi-solid [ ]liquid
[]sludge []powder []granules
C. pH RANGE []>2 []2-4 []4-6 []6-8 []8-10 []10-12 []<12
TEST DESIRED: PESTICIDE/HERBICIDES ANALYSIS
CONFIRMATORY:

ID#	analyte	method code	result	unit
15656	aldrin	EPA8080	<0.1	ug/kg(ppb)
15656	alpha-BHC	EPA8080	<0.1	ug/kg
15656	beta-BHC	EPA8080	<0.1	ug/kg
15656	delta-BHC	EPA8080	<0.1	ug/kg
15656	gamma-BHC	EPA8080	<0.1	ug/kg
15656	2,4-D	EPA8150	<0.1	ug/kg
15656	4,4'DDD	EPA8080	<0.1	ug/kg
15656	4,4'DDE	EPA8080	<0.1	ug/kg
15656	4,4'DDT	EPA8080	<0.1	ug/kg
15656	dieldrin	EPA8080	<0.1	ug/kg
15656	endosulfan I	EPA8080	<0.1	ug/kg
15656	endosulfan II	EPA8080	<0.1	ug/kg
15656	endosulfan sulfate	EPA8080	<0.1	ug/kg
15656	endrin	EPA8080	<0.1	ug/kg
15656	endrin aldehyde	EPA8080	<0.1	ug/kg
15656	methoxychlor	EPA8080	<0.1	ug/kg
15656	2,4,5-TP Silvex	EPA8150	<0.1	ug/kg
15656	toxaphene	EPA8080	<0.1	ug/kg

Date analyzed: Oct 25, 1993
Remarks: USEPA methods

zEPORT ON 15656

Name: *Walter Babbitt*
Address: *250 West State*
, NY

Date SAMPLE RECEIVED: Oct 22, 1993 Date REPORTED: Oct 25, 1993

Sample Name: *Walter Babbitt.....*
Sampling address: *same.....*
Sampling POINT: *Babbitt Pit.....*

Sample Characteristics;
A. PHASE LAYERS [] bilayered [] multilayered [] none.
B. PHYSICAL STATE at 70°F []solid []semi-solid []liquid
[]sludge []powder []granules
C. pH RANGE []>2 []2-4 []4-6 [x]6-8 []8-10 []10-12 []<12

TEST DESIRED: Appendix IX RCRA Volatile Organics
CONFIRMATORY:

CAS#	analyte	method code	MDL	result	unit
67-64-1	Acetone	EPA8240	10	<10	ug/Kg
107-02-8	Acrolein	EPA8240	5	<5	ug/Kg
107-13-1	Acrylonitrile	EPA8240	5	<5	ug/Kg
75-05-8	Acetonitrile	EPA8240	100	<100	ug/Kg
71-43-2	Benzene	EPA8240	5	<5	ug/Kg
75-25-2	Bromomethane	EPA8240	5	<5	ug/Kg
75-27-4	Bromodichloromethane	EPA8240	5	<5	ug/Kg
75-25-2	Bromoform	EPA8240	5	<5	ug/Kg
78-93-3	2-Butanone	EPA8240	10	<10	ug/Kg
75-15-0	Carbon disulfide	EPA8240	5	<5	ug/Kg
56-23-5	Carbon Tetrachloride	EPA8240	5	<5	ug/Kg
108-90-7	Chlorobenzene	EPA8240	5	<5	ug/Kg
75-00-3	Chloroethane	EPA8240	10	<10	ug/Kg
67-66-3	Chloroform	EPA8240	5	<5	ug/Kg
74-87-3	Chloromethane	EPA8240	10	<10	ug/Kg
124-48-1	Dibromochloromethane	EPA8240	5	<5	ug/Kg
96-12-8	1,2-Dibromo-3-chloro-propane	EPA8240	5	<5	ug/Kg
106-93-4	1,2-Dibromoethane	EPA8240	5	<5	ug/Kg
74-95-3	Dibromomethane	EPA8240	5	<5	ug/Kg

Continued on next page . . .

Continuation of Sample #15656

95-50-1	1,2-Dichlorobenzene	EPA8240	5	<5	ug/Kg
541-73-1	1,3-Dichlorobenzene	EPA8240	5	<5	ug/Kg
106-46-7	1,4-Dichlorobenzene	EPA8240	5	<5	ug/Kg
75-71-8	Dichlorodifluoromethane	EPA8240	5	<5	ug/Kg
75-34-3	1,1-Dichloroethane	EPA8240	5	<5	ug/Kg
107-06-2	1,2-Dichloroethane	EPA8240	5	<5	ug/Kg
75-35-4	1,1-Dichloroethylene	EPA8240	5	<5	ug/Kg
156-59-2	cis-1,2-Dichloroethylene	EPA8240	5	<5	ug/Kg
156-60-5	trans-1,2-Dichloroethylene	EPA8240	5	<5	ug/Kg
78-87-5	1,2-Dichloropropane	EPA8240	5	<5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	EPA8240	10	<10	ug/Kg
10061-02-6	trans-1,3-Dichloropropene	EPA8240	10	<10	ug/Kg
126-91-1	1,4-Dioxane	EPA8240	150	<150	ug/Kg
100-41-4	Ethylbenzene	EPA8240	5	<5	ug/Kg
97-63-2	Ethyl methacrylate	EPA8240	5	<5	ug/Kg
591-78-6	2-Hexanone	EPA8240	10	<10	ug/Kg
74-88-4	Iodomethane	EPA8240	5	<5	ug/Kg
78-83-1	Isobutyl alcohol	EPA8240	50	<50	ug/Kg
126-98-7	Methacrylonitrile	EPA8240	10	<10	ug/Kg
80-62-6	Methyl methacrylate	EPA8240	10	<10	ug/Kg
108-10-1	4-Methyl-2-pentanone	EPA8240	10	<10	ug/Kg
75-09-2	Methylene chloride	EPA8240	5	<5	ug/Kg
76-01-7	Pentachloroethane	EPA8240	5	<5	ug/Kg
109-06-8	Picoline	EPA8240	5	<5	ug/Kg
107-12-0	Propionitrile	EPA8240	5	<5	ug/Kg
110-86-1	Pyridine	EPA8240	5	<5	ug/Kg
127-18-4	Tetrachloroethylene	EPA8240	5	<5	ug/Kg
100-42-5	Styrene	EPA8240	5	<5	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	EPA8240	5	<5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	EPA8240	5	<5	ug/Kg
108-88-3	Toluene	EPA8240	5	<5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	EPA8240	5	<5	ug/Kg
71-55-6	1,1,1-Trichloroethane	EPA8240	5	<5	ug/Kg
79-00-5	1,1,2-Trichloroethane	EPA8240	5	<5	ug/Kg
79-01-6	Trichloroethylene	EPA8240	5	<5	ug/Kg
75-69-4	Trichlorofluoromethane	EPA8240	5	<5	ug/Kg
96-18-4	1,2,3-Trichloropropane	EPA8240	5	<5	ug/Kg
108-05-4	Vinyl acetate	EPA8240	50	<50	ug/Kg
75-01-4	Vinyl chloride	EPA8240	10	<10	ug/Kg
	Xylene (total)	EPA8240	5	<5	ug/Kg

Date analyzed: Oct 25, 1993
Remarks: USEPA methods

SETI

SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD.

REPORT ON 15656 SOIL ANALYSIS

Name: *Walter Babbitt*
Address: *250 West State*
, NY
Phone: *716 593-2754*

Date SAMPLE RECEIVED: Oct 22, 1993 Date REPORTED: Oct 25, 1993
Sample Name: *Walter Babbitt...*
Sampling address: *same...*
Sampling POINT: *Babbitt Pit...*
Collected By: W. Babbitt ON: Oct 19, 1993 AT: 3:00 pm
Sample Characteristics;
A. PHASE LAYERS [] bilayered [] multilayered [x] none.
B. PHYSICAL STATE at 70°F [x]solid [ ]liquid []other.....
C. pH RANGE []>2 []2-4 []4-6 []6-8 []8-10 []10-12 []<12
TEST DESIRED: BASE NEUTRAL ACID ANALYSIS
CONFIRMATORY:

CAS#	Analyte	method code	result	unit(dry wt)
541-73-1	1,3-Dichlorobenzene	EPA8270	<330	ug/Kg
106-46-7	1,4-Dichlorobenzene	EPA8270	<330	ug/Kg
67-72-1	Hexachloroethane	EPA8270	<330	ug/Kg
111-44-4	Bis(2-chloroethyl)ether	EPA8270	<330	ug/Kg
95-50-1	1,2 Dichlorobenzene	EPA8270	<330	ug/Kg
39638-32-9	Bis(2-chloroisopropyl)ether	EPA8270	<330	ug/Kg
621-64-7	N-Nitrosodi-n-propylamine	EPA8270	<330	ug/Kg
98-95-3	Nitrobenzene	EPA8270	<330	ug/Kg
87-68-3	Hexachlorobutadiene	EPA8270	<330	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	EPA8270	<330	ug/Kg
78-59-1	Isophorone	EPA8270	<330	ug/Kg
91-20-3	Napthalene	EPA8270	<330	ug/Kg
111-91-1	Bis(2-chloroethoxy)methane	EPA8270	<330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	EPA8270	<330	ug/Kg
90-13-1	2-Chloronaphthalene	EPA8270	<330	ug/Kg
208-96-8	Acenaphthylene	EPA8270	<330	ug/Kg
83-32-9	Acenapthene	EPA8270	<330	ug/Kg
131-11-3	Dimethyl phthalate	EPA8270	<330	ug/Kg
606-20-2	2,6- Dinitrotoluene	EPA8270	<330	ug/Kg
86-73-7	Fluorene	EPA8270	<330	ug/Kg
7005-72-3	4-Chlorophenyl ether	EPA8270	<330	ug/Kg
121-14-2	2,4 Dinitrotoluene	EPA8270	<330	ug/Kg
84-66-2	Diethylphthalate	EPA8270	<330	ug/Kg
86-30-6	N-nitrosodiphenylamine	EPA8270	<330	ug/Kg
118-74-1	Hexachlorobenzene	EPA8270	<330	ug/Kg
319-84-6	alpha-BHC	EPA8270	<330	ug/Kg

....continued on next page....

SETI LTD., PO Box 848, 200 N. Main Street, Alfred, NY 14802. Tel 607-587-8377. Fax 607-587-9652
SETI PARK, 4960 Kenyon Road, Alfred Station, NY 14803. Tel 607-587-8377; 607-478-8074. Fax 607-587-9652

.....Continuation of Sample #15656

101-55-3	4-Bromophenyl phenyl ether	EPA8270	<330	ug/Kg
319-85-7	beta-BHC	EPA8270	<330	ug/Kg
85-01-8	Phenanthrene	EPA8270	<330	ug/Kg
120-12-7	Anthracene	EPA8270	<330	ug/Kg
319-86-8	gamma-BHC	EPA8270	<330	ug/Kg
76-44-8	Heptachlor	EPA8270	<330	ug/Kg
58-89-9	delta-BHC	EPA8270	<330	ug/Kg
309-00-2	Aldrin	EPA8270	<330	ug/Kg
84-74-2	Di-n-butyl phthalate	EPA8270	<330	ug/Kg
1024-57-3	Heptachlor epoxide	EPA8270	<330	ug/Kg
959-98-8	Endosulfan I	EPA8270	<330	ug/Kg
206-44-0	Fluoranthene	EPA8270	<330	ug/Kg
60-57-1	Dieldrin	EPA8270	<330	ug/Kg
72-55-9	4,4'-DDE	EPA8270	<330	ug/Kg
129-00-0	Pyrene	EPA8270	<330	ug/Kg
72-20-8	Endrin	EPA8270	<330	ug/Kg
33212-65-9	Endosulfan II	EPA8270	<330	ug/Kg
72-54-8	4,4'-DDD	EPA8270	<330	ug/Kg
92-87-5	Benzidine	EPA8270	<330	ug/Kg
50-29-3	4,4'-DDT	EPA8270	<330	ug/Kg
1031-07-8	Endosulfan sulfate	EPA8270	<330	ug/Kg
7421-93-4	Endrin aldehyde	EPA8270	<330	ug/Kg
85-68-7	Butyl Benzyl phthalate	EPA8270	<330	ug/Kg
117-81-7	Bis(2-ethylhexyl) phthalate	EPA8270	<330	ug/Kg
218-01-9	Chrysene	EPA8270	<330	ug/Kg
56-55-3	Benzo(a)anthracene	EPA8270	<330	ug/Kg
91-94-1	3,3'-Dichlorobenzedine	EPA8270	<330	ug/Kg
117-84-0	Di-n-octylphthalate	EPA8270	<330	ug/Kg
205-99-2	Benzo(b)fluoranthene	EPA8270	<330	ug/Kg
207-08-9	Benzo(k)fluoranthene	EPA8270	<330	ug/Kg
20-32-8	Benzo(a)pyrene	EPA8270	<330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	EPA8270	<330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	EPA8270	<330	ug/Kg
191-24-2	Benzo(ghi)perylene	EPA8270	<330	ug/Kg
62-75-9	N-Nitrosodimethylamine	EPA8270	<330	ug/Kg
57-74-9	Chlorodane	EPA8270	<660	ug/Kg
8001-35-2	Toxaphene	EPA8270	<660	ug/Kg
12674-11-2	PCB1016	EPA8270	<660	ug/Kg
11104-28-2	PCB1221	EPA8270	<660	ug/Kg
11141-16-5	PCB1232	EPA8270	<660	ug/Kg
53469-21-9	PCB1242	EPA8270	<660	ug/Kg
12672-29-6	PCB1248	EPA8270	<660	ug/Kg
11097-69-1	PCB1254	EPA8270	<660	ug/Kg
11096-82-5	PCB1260	EPA8270	<660	ug/Kg

....continued on next page....

.....Continuation of Sample #15656

95-57-8	2-Chlorophenol	EPA8270	<660	ug/Kg
88-75-5	2-Nitrophenol	EPA8270	<660	ug/Kg
108-95-2	Phenol	EPA8270	<660	ug/Kg
105-67-9	2,4-Dimethylphenol	EPA8270	<660	ug/Kg
120-83-2	2,4-Dichlorophenol	EPA8270	<660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	EPA8270	<660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	EPA8270	<660	ug/Kg
51-28-5	2,4-Dinitrophenol	EPA8270	<660	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	EPA8270	<660	ug/Kg
87-86-5	Pentachlorophenol	EPA8270	<660	ug/Kg
100-02-7	4-Nitrophenol	EPA8270	<660	ug/Kg

Date Extracted:Oct 22, 1993
Date Analyzed: Oct 25, 1993
Remarks: USEPA methods for BASE, NEUTRALS, ACIDS BY GC/MS.

BACKFILL MATERIAL PHYSICAL ANALYSIS

SM 454 (4/82)

GRANULAR MATERIAL DOCUMENTATION FORM

ORIGINATOR W.L. Gronski, Reg. Soils Engr.
N.Y.S. Dept. of TransportAtion
30 West Main St.
Hornell, NY 14843
Repair 6 Culverts, Rt's 21 & 417
PIN 6084.29.301 D254562
SAMPLED BY I.H. Sheflin DATE 7-13-93

SOURCE IDENTIFICATON & LOCATION 3552
SOURCE IDENTIFICATION Babbitt
U.S.G.S. QUAD LOCATION 38-4-G-11
TOWNSHIP Scio
COUNTY Allegany

☐ STOCKPILED MATERIAL ITEM NO. _____ PILE NUMBER _____ EST. QTY. C.Y. _____

CASE FOR SUBSEQUENT STOCKPILE ☐ CASE A ☐ CASE B ☐ CASE C

☒ NON-STOCKPILED MATERIAL

TEST RESULTS (OPTIONAL)

GRADATION						
REG. SAMPLE DESIGN.						
SIEVE SIZES	4 INCH	% PASSING BY WEIGHT				
	3 INCH					
	2 INCH		90			
	1½ INCH					
	1 INCH		67			
	¾ INCH					
	⅜ INCH		42			
	¼ INCH		31			
	NO. 10		17			
	NO. 20		10			
	NO. 40		8			
	NO. 100		6			
	NO. 200		6			
QUALITY		Mean				
Mg So. Soundness, % Loss by Wt			7			
Plasticity Index			11			

ACCEPTED:

NON-STOCKPILED MATERIAL

FOR THE YEAR OF 19 93 MATERIAL FROM THIS SOURCE MEETS THE QUALITY REQUIREMENTS FOR ITEMS:

203.05 203.06 203.08 203.21 _____ _____ _____

THIS EVALUATION IS SUBJECT TO THE FOLLOWING CONDITIONS:

For the year of 1993, Material from this source meets the quality requirements for items having a maximum Magnesium Sulfate Soundness Loss of 8 and a maximum Plasticity index of 12. Recommended monitoring frequency is 1 sample per 2000 Cubic Yds.. Note: the high plasticity index#

STOCKPILED MATERIAL

SUBBASE ITEM _____ TYPE _____
UNDERDRAIN FILTER ITEM _____ TYPE _____
OTHER ITEM(S) _____ _____ _____ _____

NAME M. Jon Marley TITLE S.E.L.S. DATE 8-5-93

REJECTED:

MATERIAL MEETING THE SPECIFICATION REQUIREMENTS CANNOT BE OBTAINED FROM THIS
☐ SOURCE
☐ STOCKPILE

FOR ITEM(S) _____ _____ _____ _____ _____ _____

NAME _____ TITLE _____ DATE _____

UNDERGROUND STORAGE TANK DATA

- Incident Report
- VOC Sample Data
- Liquid Sample Data
- Soil Sample Data North Tank
- Soil Sample Data South Tank

INCIDENT REPORT

ON-SITE HEALTH & SAFETY SERVICES, INC.
INCIDENT/ACCIDENT REPORT

THIS FORM SHOULD BE COMPLETED WITHIN 24 HOURS AFTER THE INCIDENT.

CONTRACTOR: Bakers of Jericho Hill

PROJECT: ARCO/Wellsville Remediation Project Contaminated surface soil removal

DATE OF OCCURRENCE: 08/04/93

TIME: 1300 hrs.

LOCATION: West side of Powerhouse

TYPE OF LOSS ☒ ENVIRONMENTAL ☐ VEHICLE ☐ PROPERTY ☐ PRODUCTS ☐ CRIME ☐ LIABILITY ☐ OTHER

NATURE OF INCIDENT: Exposed two tanks containing unknown chemicals while excavating contaminated soils. No spillage or damage.

ANY PERSONAL INJURY OR DEATH RESULTING FROM INCIDENT? ☐ YES ☒ NO

NATURE OF INJURIES: (MUST BE ACCOMPANIED BY PERSONAL INJURY REPORT)

COST (ACTUAL OR ESTIMATED): Unknown

OBJECT/EQUIPMENT/PRODUCT ASSOCIATED WITH LOSS: None

DESCRIBE CLEARLY HOW THE INCIDENT/ACCIDENT OCCURRED. ATTACH DIAGRAMS, PHOTOS, ETC. IF NECESSARY

While removing 12" of contaminated surface soils, drott hoe exposed the tops of two (2) underground storage tanks. Odors indicated the presence of chemicals.

DESCRIBE ACTIONS TAKEN TO MITIGATE INCIDENT:

All personnel removed to upwind location. Also checked area with PID - Results of greater than 500 PPM VOC detected. Pulled drager tubes - see attached for results. Installed "NO SMOKING" signs, & barricaded area with warning tape.

IDENTIFY ANY IMPROPER ACTIONS OR ACTS THAT WERE THE PRIMARY CAUSE:

NONE

IDENTIFY ANY IMMEDIATE HEALTH & SAFETY PROBLEMS RESULTING FROM THE INCIDENT:

Danger of fire or explosion due to volatiles / danger of fire / danger of fume inhalation.

IDENTIFY ANY LONG RANGE HEALTH & SAFETY PROBLEMS RESULTING FROM THE INCIDENT:

Potential for tank collapse under heavy equipment

IDENTIFY ANY IMMEDIATE ENVIRONMENTAL PROBLEMS RESULTING FROM THE INCIDENT:

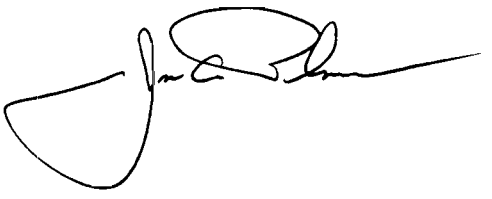
Minor vapor release

IDENTIFY ANY LONG RANGE ENVIRONMENTAL PROBLEMS RESULTING FROM THE INCIDENT:

Potential ground water contamination source if tank leaks or ruptures due to vibrations or equipment weight.

LIST THOSE STEPS WHICH HAVE OR MUST BE TAKEN TO PREVENT A REOCCURRENCE:

No damage incurred - problem discovered, not created.



VOC SAMPLE DATA

ARCO/Wellsville Remediation Project
Supplement to Incident/Accident Report dated 08/04/93

At approximately 1300 hours on August 4, 1993, Bakers of Jericho Hill personnel exposed two buried tanks on the southwest side of the powerhouse. Initial checks with the microtip PID indicated 500 ppm VOC's at soil surface. Subsequent checks with Drager tubes produced the following results:

Benzene:- n=2 to 40 with increasing sensitivity, range = 0.5 to 10 ppm, TLV = 1 ppm
Actual reading after five strokes = 0 ppm

Petroleum Hydrocarbons:- n=2, range = 100 to 2500 ppm, TLV = 300 ppm
Actual reading after one stroke = 2500 ppm

Toluene:- n=5, range = 50 to 400 ppm
Actual reading after five strokes = 400 ppm

o-Xylene:- n=5, range = 10 to 400 ppm
Actual reading after five strokes = 400 ppm

Mercaptan:- n=20, range o.5 to 5 ppm ethyl/mercaptan
Actual reading after 20 strokes = 0 ppm

Carbon Disulfide:- n=1 to 15 with increasing sensitivity, range 3 to 95 ppm.
Actual reading after 15 strokes = 0 ppm.

Common cross sensitivity on tubes with hits:

Benzene tubes detect other aromatic compounds (e.g. toluene, xylene, ethyl benzene with approximately the same sensitivity as benzene.

Toluene tube is cross sensitive with xylene.

Benzene changes toluene tube to pale yellow which did not occur.

o-xylene tube is cross sensitive with toluene and ethyl benzene.

The above results would indicate a presence of o,m,or p xylene and or toluene. Benzene is not indicated.

All readings were taken in Level "C" PPE to reduce exposure levels.

On 08/05/93, we again pulled benezine and petroleum hydrocarbons with no hits on benzene and 100 PPM on petroleum hydrocarbons. On 08/09/93, we obtained the following results:

Toluene - 50 PPM
o-xylene - 50 - 75 PPM

LIQUID SAMPLE DATA

THERMOCOR, INC.

SINCLAIR REFINERY

WELLSVILLE, NEW YORK

Prepared By:

ADVANCED ENVIRONMENTAL SERVICES INC.

"A Company Dedicated to Honesty, Quality and Service"

November 16, 1993
REF: EWK348B

QA/QC VERIFICATION FOR PROJECT ID 348B

The following report, as well as the supporting data, have been carefully reviewed for accuracy, adherance to the cited methods, and completeness. All data contained in this report was generated in accordance with the AES Laboratory Quality Assurance/Quality Control Program.

Joseph P. Masaracchia
Laboratory Manager

Paul T. McMahon
Quality Control Officer

Joseph J. Curtis
Project Manager

All 'Total' results on soil matrices are calculated on a dry weight basis, unless otherwise noted.
Analyses noted as 'Performed in the laboratory' require immediate testing and should be performed in the field.

The following are standard abbreviations:

BQL - Below Quantifiable Limits
ND - None Detected
NG - No Growth of Colonies
NR - Not Requested

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermocor, Inc.
SAMPLE ID: Tank S
COLLECTION METHOD: Composite
COLLECTION DATE(S): 11/04/93
SAMPLE TYPE: Water

AES CLIENT ID: EWK
AES SAMPLE ID: 3488-1

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
n-Nitrosodimethylamine	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270
Naphthalene	360	µg/L	10	SW 846 8270
Hexachlorobutadiene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
Dimethylphthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Diethylphthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
1,2-Diphenylhydrazine	BQL	µg/L	10	SW 846 8270
4-Bromophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Benzidine	BQL	µg/L	40	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butylbenzylphthalate	BQL	µg/L	10	SW 846 8270

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermocor, Inc.
SAMPLE ID: Tank S
COLLECTION METHOD: Composite
COLLECTION DATE(S): 11/04/93
SAMPLE TYPE: Water

AES CLIENT ID: EWK
AES SAMPLE ID: 3488-1

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	330	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	280	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermocor, Inc.
SAMPLE ID: Tank N
COLLECTION METHOD: Composite
COLLECTION DATE(S): 11/04/93
SAMPLE TYPE: Water

AES CLIENT ID: EWK
AES SAMPLE ID: 3488-2

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
n-Nitrosodimethylamine	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270
Naphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
Dimethylphthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Diethylphthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
1,2-Diphenylhydrazine	BQL	µg/L	10	SW 846 8270
4-Bromophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Benzidine	BQL	µg/L	40	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butylbenzylphthalate	BQL	µg/L	10	SW 846 8270

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermocor, Inc.
SAMPLE ID: Tank N
COLLECTION METHOD: Composite
COLLECTION DATE(S): 11/04/93
SAMPLE TYPE: Water

AES CLIENT ID: EWK
AES SAMPLE ID: 3488-2

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermacor, Inc.
SAMPLE ID: METHOD BLANK
COLLECTION METHOD:
COLLECTION DATE(S):
SAMPLE TYPE:

AES CLIENT ID: EWK

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
n-Nitrosodimethylamine	BQL	µg/L	10	SW 846 8270
Isophorone	BQL	µg/L	10	SW 846 8270
bis(2-chloroethoxy)methane	BQL	µg/L	10	SW 846 8270
1,2,4-Trichlorobenzene	BQL	µg/L	10	SW 846 8270
Naphthalene	BQL	µg/L	10	SW 846 8270
Hexachlorobutadiene	BQL	µg/L	10	SW 846 8270
Hexachlorocyclopentadiene	BQL	µg/L	10	SW 846 8270
2-Chloronaphthalene	BQL	µg/L	10	SW 846 8270
Dimethylphthalate	BQL	µg/L	10	SW 846 8270
2,6-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Acenaphthylene	BQL	µg/L	10	SW 846 8270
bis(2-chloroethyl)ether	BQL	µg/L	10	SW 846 8270
Acenaphthene	BQL	µg/L	10	SW 846 8270
2,4-Dinitrotoluene	BQL	µg/L	10	SW 846 8270
Diethylphthalate	BQL	µg/L	10	SW 846 8270
4-Chlorophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Fluorene	BQL	µg/L	10	SW 846 8270
n-Nitrosodiphenylamine	BQL	µg/L	10	SW 846 8270
1,2-Diphenylhydrazine	BQL	µg/L	10	SW 846 8270
4-Bromophenylphenyl ether	BQL	µg/L	10	SW 846 8270
Hexachlorobenzene	BQL	µg/L	10	SW 846 8270
Phenanthrene	BQL	µg/L	10	SW 846 8270
1,3-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
Anthracene	BQL	µg/L	10	SW 846 8270
di-n-Butylphthalate	BQL	µg/L	10	SW 846 8270
Fluoranthene	BQL	µg/L	10	SW 846 8270
Benzidine	BQL	µg/L	40	SW 846 8270
Pyrene	BQL	µg/L	10	SW 846 8270
Butylbenzylphthalate	BQL	µg/L	10	SW 846 8270

ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Thermocor, Inc.
SAMPLE ID: METHOD BLANK
COLLECTION METHOD:
COLLECTION DATE(S):
SAMPLE TYPE:

AES CLIENT ID: EWK

PROJECT ID: 3488

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
3,3'-Dichlorobenzidine	BQL	µg/L	10	SW 846 8270
Benzo(a)anthracene	BQL	µg/L	10	SW 846 8270
bis(2ethylhexyl)phthalate	BQL	µg/L	10	SW 846 8270
Chrysene	BQL	µg/L	10	SW 846 8270
1,4-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
di-n-Octylphthalate	BQL	µg/L	10	SW 846 8270
Benzo(b)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(k)fluoranthene	BQL	µg/L	10	SW 846 8270
Benzo(a)pyrene	BQL	µg/L	10	SW 846 8270
Indeno(1,2,3-cd)pyrene	BQL	µg/L	10	SW 846 8270
Dibenzo(a,h)anthracene	BQL	µg/L	10	SW 846 8270
Benzo(g,h,i)perylene	BQL	µg/L	10	SW 846 8270
Phenol	BQL	µg/L	10	SW 846 8270
2-Nitrophenol	BQL	µg/L	10	SW 846 8270
2,4-Dimethylphenol	BQL	µg/L	10	SW 846 8270
1,2-Dichlorobenzene	BQL	µg/L	10	SW 846 8270
2,4-Dichlorophenol	BQL	µg/L	10	SW 846 8270
2-Chlorophenol	BQL	µg/L	10	SW 846 8270
4-Chloro-3-methylphenol	BQL	µg/L	10	SW 846 8270
2,4,6-Trichlorophenol	BQL	µg/L	10	SW 846 8270
2,4-Dinitrophenol	BQL	µg/L	10	SW 846 8270
4-Nitrophenol	BQL	µg/L	10	SW 846 8270
4,6-Dinitro-2-methylphenol	BQL	µg/L	10	SW 846 8270
Pentachlorophenol	BQL	µg/L	10	SW 846 8270
bis(2-chloroisopropyl)ether	BQL	µg/L	10	SW 846 8270
n-Nitrosodi-n-propylamine	BQL	µg/L	10	SW 846 8270
Hexachloroethane	BQL	µg/L	10	SW 846 8270
Nitrobenzene	BQL	µg/L	10	SW 846 8270

Advanced Environmental Services

Sample Traceability Report

Inorganics Analysis

AES Job Code EWK

AES Job No. 348B

		Sample Prep			Analysis		
AES Sample No.	Sample Date	Method Number	Date	Analyst	Method Number	Date	Analyst
348B-1	11/4/93	3510 8270	11/8/93	PQ.	8270	11/12/93	JF
348B-2	〃	〃	〃	〃	〃	〃	JF

Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

ADVANCED ENVIRONMENTAL SERVICES, INC.
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CHAIN OF CUSTODY RECORD

PROJECT NAME: Sinclair Refinery Wellsville, N.Y.

SAMPLER'S SIGNATURE: Jerome C. Palmer

JOB CODE: EWK

IDENTIFICATION OF BLIND FIELD DUPLICATE SITE:

DATE	TIME	SAMPLE IDENTIFICATION	GRAB	COMP	SAMPLE TYPE	CONTAINER CLASSIFICATION: UNPRESERVED	HNO_3	H_2SO_4	HCL	NAOH	VIAL (PRES.)	VIAL (UNPRES.)	TOTAL	PARAMETERS/REMARKS
11/04/93	0845	PH TANK 3		✓	Liquid	1							1	1 litre amber
11/04/93	0850	PH TANK N		✓	Liquid	1							1	1 litre amber

TOTAL NUMBER OF CONTAINERS: 2

NOTE: Please indicate required analysis, and whom we may contact with questions, if you have not yet done so through your customer service representative.

348B

1. RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Jerome C. Palmer	11/04/93	1400	11/5 11AM Joe Custer
2. RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
3. RELINQUISHED BY:	DATE	TIME	RECEIVED BY:

SOIL SAMPLE DATA
NORTH TANK

SETI

SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD

RECEIVED
DEC - 1 1993

REPORT ON *15798*

Client Name: *Arco* **Phone:**
Address: *P O Box 409* *Wellsville* *NY 14895*

Date SAMPLE RECEIVED: *Nov 5, 1993* **Date REPORTED:** *Nov 23, 1993*
Sample Information; Name: *Sinclair Refinery UST N & S*
Address: *2530 S Brooklyn Ave., SUNY Alfred*
Collection Point: *PH Tank N*
Collected By: *J. C. Palmer* **ON:** *Nov 5, 1993* **AT:** *10:15 am*
Sample Characteristics;
A. PHASE LAYERS [ ] **bilayered** [ ] **multilayered** [✓] **none**
B. PHYSICAL STATE at 70F [✓] **solid** [ ] **liquid** [ ] **other.....**
C. pH RANGE [ ]<2 [ ]2-4 [ ]4-6 [ ]6-8 [ ]8-10 [ ]10-12 [ ]>12
TEST DESIRED: [ ]Metals [ ]Inorganics [ ]Organics
CONFIRMATORY:

CAS#	analyte	method code	method detection limit	result	unit
	PAH	EPA8270		s.a.s.	
	Phenol	EPA420.1	0.1	<0.1	mg/Kg
	TCL VOA	EPA8260		s.a.s.	

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SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD

REPORT ON SAMPLE # 15798

Name: Arco
Address: P O Box 409
Wellsville, NY 14895
Phone:

Sample Received: Nov 5, 1993 **Date Reported:** Nov 23, 1993

Sample Name: Sinclair Refinery UST N & S
Sampling address: 2530 S Brooklyn Ave., SUNY Alfred
Sampling point: PH Tank N
Collected by: J. C. Palmer **On:** Nov 5, 1993 **AT:** 10:15 am

Sample Characteristics;
A. PHASE LAYERS [ ] bilayered [ ] multilayered [✓] none
B. PHYSICAL STATE at 70oF [X] solid [ ] semi-solid [ ] liquid
[ ] sludge [ ] powder [ ] granules
C. pH RANGE [ ]<2 [ ] 2-4 [ ] 4-6 [ ] 6-8 [ ] 8-10 [ ] >12

TEST DESIRED: POLYNUCLEAR AROMATIC HYDROCARBONS
CONFIRMATORY:

ID#	ANALYTE	METHOD CODE	RESULT	UNIT
91-20-3	Napthalene	EPA8270	<330	ug/Kg
208-96-8	Acenaphthylene	EPA8270	<330	ug/Kg
83-32-9	Acenapthene	EPA8270	<330	ug/Kg
85-01-8	Phenanthrene	EPA8270	<330	ug/Kg
120-12-7	Anthracene	EPA8270	<330	ug/Kg
86-73-7	Fluorene	EPA8270	<330	ug/Kg
206-44-0	Fluoranthene	EPA8270	<330	ug/Kg
129-00-0	Pyrene	EPA8270	<330	ug/Kg
218-01-9	Chrysene	EPA8270	<330	ug/Kg
207-08-9	Benzo(k)fluoranthene	EPA8270	<330	ug/Kg
20-32-8	Benzo (a)pyrene	EPA8270	<330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	EPA8270	<330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	EPA8270	<330	ug/Kg
191-24-2	Benzo(ghi)perylene	EPA8270	<330	ug/Kg
205-99-2	Benzo(b)fluroanthene	EPA8270	<330	ug/Kg
56-55-3	Benzo(a)anthracene	EPA8270	<330	ug/Kg

DATE EXTRACTED: Nov 9, 1993
DATE ANALYZED: Nov 9, 1993
Remarks: USEPA methods

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REPORT ON 15798

Name: *Arco*
Address: *P O Box 409*
Wellsville, NY 14895

Date SAMPLE RECEIVED: Nov 5, 1993 **Date REPORTED:** Nov 23, 1993

Sample Name: *Sinclair Refinery UST N & S.....*
Sampling address: *2530 S Brooklyn Ave., SUNY Alfred.....*
Sampling POINT: *PH Tank N.....*

Sample Characteristics;
A. PHASE LAYERS [] bilayered [] multilayered [x] none.
B. PHYSICAL STATE at 70°F [x]solid []semi-solid []liquid
[]sludge []powder []granules
C. pH RANGE []>2 []2-4 []4-6 [x]6-8 []8-10 []10-12 []<12

TEST DESIRED: Appendix 33 Volatile Organics
CONFIRMATORY:

CAS#	analyte	method code	MDL	result	unit
67-64-1	Acetone	EPA8260	100	<100	ug/L
107-02-8	Acrolein	EPA8260	100	<100	ug/L
107-13-1	Acrylonitrile	EPA8260	200	<200	ug/L
107-05-1	Allyl chloride	EPA8260	10	<10	ug/L
71-43-2	Benzene	EPA8260	5	<5	ug/L
74-97-5	Bromochloromethane	EPA8260	5	<5	ug/L
75-27-4	Bromodichloromethane	EPA8260	5	<5	ug/L
75-25-2	Bromoform	EPA8260	5	<5	ug/L
75-15-0	Carbon disulfide	EPA8260	100	<100	ug/L
78-93-3	Methylethylkeytone	EPA8260	100	<100	ug/L
56-23-5	Carbon Tetrachloride	EPA8260	10	<10	ug/L
108-90-7	Chlorobenzene	EPA8260	5	<5	ug/L
75-00-3	Chloroethane	EPA8260	10	<10	ug/L
67-66-3	Chloroform	EPA8260	5	<5	ug/L
126-99-8	Chloroprene	EPA8260	20	<20	ug/L
124-48-1	Dibromochloromethane	EPA8260	5	<5	ug/L
96-12-8	1,2-Dibromo-3-chloro-propane	EPA8260	25	<25	ug/L
106-93-4	1,2-Dibromoethane	EPA8260	5	<5	ug/L
95-50-1	1,2-Dichlorobenzene	EPA8260	5	<5	ug/L
541-73-1	1,3-Dichlorobenzene	EPA8260	5	<5	ug/L
106-46-7	1,4-Dichlorobenzene	EPA8260	5	<5	ug/L

Continued on next page . . .

Continuation of Sample #15798

110-57-6	trans-1,4-Dichloro-2-butene	EPA8260	100	<100	ug/L
75-71-8	Dichlorodifluoromethane	EPA8260	5	<5	ug/L
75-34-3	1,1-Dichloroethane	EPA8260	5	<5	ug/L
107-06-2	1,2-Dichloroethane	EPA8260	5	<5	ug/L
75-35-4	1,1-Dichloroethylene	EPA8260	5	<5	ug/L
156-59-2	cis-1,2-Dichloroethylene	EPA8260	5	<5	ug/L
156-60-5	trans-1,2-Dichloroethylene	EPA8260	5	<5	ug/L
78-87-5	1,2-Dichloropropane	EPA8260	5	<5	ug/L
142-28-9	1,3-Dichloropropane	EPA8260	5	<5	ug/L
594-20-7	2,2-Dichloropropane	EPA8260	15	<15	ug/L
563-58-6	1,1-Dichloropropene	EPA8260	5	<5	ug/L
10061-01-5	cis-1,3-Dichloropropene	EPA8260	10	<10	ug/L
10061-02-6	trans-1,3-Dichloropropene	EPA8260	10	<10	ug/L
100-41-4	Ethylbenzene	EPA8260	5	<5	ug/L
87-68-3	Hexachlorobutadiene	EPA8260	10	<10	ug/L
67-72-1	Hexachloroethane	EPA8260	10	<10	ug/L
591-78-6	2-Hexanone	EPA8260	50	<50	ug/L
126-98-7	Methacrylonitrile	EPA8260	100	<100	ug/L
74-83-9	Bromomethane	EPA8260	5	<5	ug/L
74-87-3	Chloromethane	EPA8260	5	<5	ug/L
74-88-4	Methyl iodide	EPA8260	10	<10	ug/L
80-62-6	Methyl methacrylate	EPA8260	30	<30	ug/L
108-10-1	4-Methyl-2-pentanone	EPA8260	100	<100	ug/L
74-95-3	Dibromomethane	EPA8260	10	<10	ug/L
75-09-2	Methylene chloride	EPA8260	10	<10	ug/L
91-20-3	Naphthalene	EPA8260	5	<5	ug/L
127-18-4	Tetrachloroethylene	EPA8260	5	<5	ug/L
100-42-5	Styrene	EPA8260	10	<10	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	EPA8260	5	<5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	EPA8260	5	<5	ug/L
108-88-3	Toluene	EPA8260	5	<5	ug/L
120-82-1	1,2,4-Trichlorobenzene	EPA8260	10	<10	ug/L
71-55-6	1,1,1-Trichloroethane	EPA8260	5	<5	ug/L
79-00-5	1,1,2-Trichloroethane	EPA8260	5	<5	ug/L
79-01-6	Trichloroethylene	EPA8260	5	<5	ug/L
75-69-4	Trichlorofluoromethane	EPA8260	5	<5	ug/L
96-18-4	1,2,3-Trichloropropane	EPA8260	15	<15	ug/L
108-05-4	Vinyl acetate	EPA8260	50	<50	ug/L
75-01-4	Chloroethene	EPA8260	10	<10	ug/L
	Xylene (total)	EPA8260	5	105.3	ug/L

Date analyzed: Nov 9, 1993
Remarks: USEPA methods

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SOIL SAMPLE DATA
SOUTH TANK

SETI

SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD

REPORT ON *15799*

Client Name: *Arco* **Phone:**
Address: *P O Box 409* *Wellsville* *NY 14895*

Date SAMPLE RECEIVED: *Nov 5, 1993* **Date REPORTED:** *Nov 15, 1993*
Sample Information; Name: *Sinclair Refinery UST N & S*
Address: *2530 S Brooklyn Ave., SUNY Alfred*
Collection Point: *PH Tank S*
Collected By: *J. C. Palmer* **ON:** *Nov 5, 1993* **AT:** *10:15 am*
Sample Characteristics;
A. PHASE LAYERS [ ] bilayered [ ] multilayered [✓] none
B. PHYSICAL STATE at 70F [✓] solid [ ] liquid [ ] other.....
C. pH RANGE [ ]<2 [ ]2-4 [ ]4-6 [ ]6-8 [ ]8-10 [ ]10-12 [ ]>12
TEST DESIRED: [ ]Metals [ ]Inorganics [ ]Organics
CONFIRMATORY:

CAS#	analyte	method code	method detection limit	result	unit
	PAH	EPA8270		s.a.s.	
	Phenol	EPA420.1	0.1	<0.1	mg/Kg
	TCL VOA	EPA8260		s.a.s.	
	*s.a.s.=see attached sheet			-----	

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SCIENCE & ENGINEERING TECHNOLOGY INTERNATIONAL SETI LTD

REPORT ON SAMPLE # 15799

Name: Arco
Address: P O Box 409
Wellsville, NY 14895
Phone:

Sample Received: Nov 5, 1993 **Date Reported:** Nov 15, 1993

Sample Name: Sinclair Refinery UST N & S
Sampling address: 2530 S Brooklyn Ave., SUNY Alfred
Sampling point: PH Tank S
Collected by: J. C. Palmer **On:** Nov 5, 1993 **AT:** 10:15 am

Sample Characteristics;
A. PHASE LAYERS [ ] bilayered [ ] multilayered [✓] none
B. PHYSICAL STATE at 70oF [X] solid [ ] semi-solid [ ] liquid
[ ] sludge [ ] powder [ ] granules
C. pH RANGE [ ]<2 [ ] 2-4 [ ] 4-6 [ ] 6-8 [ ] 8-10 [ ] >12

TEST DESIRED: POLYNUCLEAR AROMATIC HYDROCARBONS
CONFIRMATORY:

ID#	ANALYTE	METHOD CODE	RESULT	UNIT
91-20-3	Napthalene	EPA8270	<330	ug/Kg
208-96-8	Acenaphthylene	EPA8270	<330	ug/Kg
83-32-9	Acenapthene	EPA8270	<330	ug/Kg
85-01-8	Phenanthrene	EPA8270	<330	ug/Kg
120-12-7	Anthracene	EPA8270	<330	ug/Kg
86-73-7	Fluorene	EPA8270	<330	ug/Kg
206-44-0	Fluoranthene	EPA8270	<330	ug/Kg
129-00-0	Pyrene	EPA8270	<330	ug/Kg
218-01-9	Chrysene	EPA8270	<330	ug/Kg
207-08-9	Benzo(k)fluoranthene	EPA8270	<330	ug/Kg
20-32-8	Benzo (a)pyrene	EPA8270	<330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	EPA8270	<330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	EPA8270	<330	ug/Kg
191-24-2	Benzo(ghi)perylene	EPA8270	<330	ug/Kg
205-99-2	Benzo(b)fluroanthene	EPA8270	<330	ug/Kg
56-55-3	Benzo(a)anthracene	EPA8270	<330	ug/Kg

DATE EXTRACTED: Nov 9, 1993
DATE ANALYZED: Nov 11, 1993
Remarks: USEPA methods

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REPORT ON 15799

Name: *Arco*
Address: *P O Box 409*
Wellsville, NY 14895

Date SAMPLE RECEIVED: Nov 5, 1993 **Date REPORTED:** Nov 15, 1993

Sample Name: *Sinclair Refinery UST N & S.....*
Sampling address: *2530 S Brooklyn Ave., SUNY Alfred.....*
Sampling POINT: *PH Tank S.....*

Sample Characteristics;
A. PHASE LAYERS [] **bilayered** [] **multilayered** [x] **none.**
B. PHYSICAL STATE at 70°F [x]**solid** []**semi-solid** []**liquid**
[]**sludge** []**powder** []**granules**
C. pH RANGE []>2 []2-4 []4-6 [x]6-8 []8-10 []10-12 []<12

TEST DESIRED: Appendix 33 Volatile Organics
CONFIRMATORY:

CAS#	analyte	method code	MDL	result	unit
67-64-1	Acetone	EPA8260	100	<100	ug/L
107-02-8	Acrolein	EPA8260	100	<100	ug/L
107-13-1	Acrylonitrile	EPA8260	200	<200	ug/L
107-05-1	Allyl chloride	EPA8260	10	<10	ug/L
71-43-2	Benzene	EPA8260	5	<5	ug/L
74-97-5	Bromochloromethane	EPA8260	5	<5	ug/L
75-27-4	Bromodichloromethane	EPA8260	5	<5	ug/L
75-25-2	Bromoform	EPA8260	5	<5	ug/L
75-15-0	Carbon disulfide	EPA8260	100	<100	ug/L
78-93-3	Methylethylkeytone	EPA8260	100	<100	ug/L
56-23-5	Carbon Tetrachloride	EPA8260	10	<10	ug/L
108-90-7	Chlorobenzene	EPA8260	5	<5	ug/L
75-00-3	Chloroethane	EPA8260	10	<10	ug/L
67-66-3	Chloroform	EPA8260	5	<5	ug/L
126-99-8	Chloroprene	EPA8260	20	<20	ug/L
124-48-1	Dibromochloromethane	EPA8260	5	<5	ug/L
96-12-8	1,2-Dibromo-3-chloro-propane	EPA8260	25	<25	ug/L
106-93-4	1,2-Dibromoethane	EPA8260	5	<5	ug/L
95-50-1	1,2-Dichlorobenzene	EPA8260	5	<5	ug/L
541-73-1	1,3-Dichlorobenzene	EPA8260	5	<5	ug/L
106-46-7	1,4-Dichlorobenzene	EPA8260	5	<5	ug/L

Continued on next page . . .

Continuation of Sample #15799

110-57-6	trans-1,4-Dichloro-2-butene	EPA8260	100	<100	ug/L
75-71-8	Dichlorodifluoromethane	EPA8260	5	<5	ug/L
75-34-3	1,1-Dichloroethane	EPA8260	5	<5	ug/L
107-06-2	1,2-Dichloroethane	EPA8260	5	<5	ug/L
75-35-4	1,1-Dichloroethylene	EPA8260	5	<5	ug/L
156-59-2	cis-1,2-Dichloroethylene	EPA8260	5	<5	ug/L
156-60-5	trans-1,2-Dichloroethylene	EPA8260	5	<5	ug/L
78-87-5	1,2-Dichloropropane	EPA8260	5	<5	ug/L
142-28-9	1,3-Dichloropropane	EPA8260	5	<5	ug/L
594-20-7	2,2-Dichloropropane	EPA8260	15	<15	ug/L
563-58-6	1,1-Dichloropropene	EPA8260	5	<5	ug/L
10061-01-5	cis-1,3-Dichloropropene	EPA8260	10	<10	ug/L
10061-02-6	trans-1,3-Dichloropropene	EPA8260	10	<10	ug/L
100-41-4	Ethylbenzene	EPA8260	5	<5	ug/L
87-68-3	Hexachlorobutadiene	EPA8260	10	<10	ug/L
67-72-1	Hexachloroethane	EPA8260	10	<10	ug/L
591-78-6	2-Hexanone	EPA8260	50	<50	ug/L
126-98-7	Methacrylonitrile	EPA8260	100	<100	ug/L
74-83-9	Bromomethane	EPA8260	5	<5	ug/L
74-87-3	Chloromethane	EPA8260	5	<5	ug/L
74-88-4	Methyl iodide	EPA8260	10	<10	ug/L
80-62-6	Methyl methacrylate	EPA8260	30	<30	ug/L
108-10-1	4-Methyl-2-pentanone	EPA8260	100	<100	ug/L
74-95-3	Dibromomethane	EPA8260	10	<10	ug/L
75-09-2	Methylene chloride	EPA8260	10	<10	ug/L
91-20-3	Naphthalene	EPA8260	5	<5	ug/L
127-18-4	Tetrachloroethylene	EPA8260	5	<5	ug/L
100-42-5	Styrene	EPA8260	10	<10	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	EPA8260	5	<5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	EPA8260	5	<5	ug/L
108-88-3	Toluene	EPA8260	5	<5	ug/L
120-82-1	1,2,4-Trichlorobenzene	EPA8260	10	<10	ug/L
71-55-6	1,1,1-Trichloroethane	EPA8260	5	<5	ug/L
79-00-5	1,1,2-Trichloroethane	EPA8260	5	<5	ug/L
79-01-6	Trichloroethylene	EPA8260	5	<5	ug/L
75-69-4	Trichlorofluoromethane	EPA8260	5	<5	ug/L
96-18-4	1,2,3-Trichloropropane	EPA8260	15	<15	ug/L
108-05-4	Vinyl acetate	EPA8260	50	<50	ug/L
75-01-4	Chloroethene	EPA8260	10	<10	ug/L
	Xylene (total)	EPA8260	5	11068	ug/L

Date analyzed: Nov 11, 1993
Remarks: USEPA methods

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SETI PARK, 4960 Kenyon Road, Alfred Station, NY 14803. Tel 607-587-8377; 607-478-8074. Fax 607-587-9652

APPENDIX L

POWERHOUSE
HEALTH AND SAFETY REPORTS

- Kimmins' "Close Out Safety Report"
- AET's "Environmental Health Survey Report - ThermoCor Kimmins"
- AET's "Environmental Health Survey Report - GeoSyntec Consultants

KIMMINS' "CLOSE OUT SAFETY REPORT"

Introduction:

The ARCO/Sinclair Refinery Site Project was completed on November 13, 1993. ThermoCor Kimmins maintained a comprehensive Health and Safety Program throughout the project's duration. The fact that no injuries, illnesses, or accidents occurred during this project is directly attributable to the development and enforcement of the Health & Safety plan and its' components.

This close out report will further describe the components of the HASP and the method of implementation into the daily and overall activities of the project.

Health and Safety Plan (HASP)

The HASP's development and modifications corresponded to conditions that were identified on site by ARCO, On-Site Consulting, and ThermoCor Kimmins. Because of the broad range of activities conducted during the course of the project, specific work plans were developed to provide a readily available source of information and specific safety requirements during the various work activities. The work activities consisted of three basic elements; Asbestos Removal, Demolition, and Blasting.

Asbestos Removal

The removal of Asbestos Containing materials (ACM) was conducted under the requirements of AHERA, Code Rule 56 and applicable variances (applied for and approved by the NYS/DOL). Each employee engaged in the ACM removal activities maintained the required licensing (worker or supervisor) throughout the project. Each employee engaged in the ACM removal also received a medical exam, that included at a minimum comprehensive work history review, general physical exam, chest x-ray (as required by physician), and pulmonary function test (PFT) as per 29 CFR 1926.58 applicable sections. Each employee was subsequently required to receive fit testing of a NIOSH approved Air Purifying Respirator (APR) or Powered Air Purifying Respirator (PAPR), for use during the project.

The requirements of AHERA and NYS Code Rule 56 (as applicable and per variances), with regard to documentation of workers, air monitoring technicians, and inspectors entering the work area was maintained in daily sign in logs, and in a bound descriptive record maintained by the Asbestos Supervisor. The display and posting of the notifications, and Code Rule 56 Variances were prominently displayed at the "Worker Decon Trailer".

Asbestos Removal (Continued)

The air monitoring was conducted by a firm retained by ARCO. Daily air monitoring data (perimeter and personal) was posted in the "DECON Trailer". Personal Samples were initialed by each worker. Any confirmation samples required for work area clearance were collected and analyzed by the "third party" air monitoring firm. Daily samples were analyzed by (PCM).

Daily air monitoring sample data was used to adjust and or modify work practices to reduce the potential for exposure. Any elevations in fiber counts were immediately addressed and corrected.

Demolition:

The demolition of the primary powerhouse and its associated support building was completed using a combination of crane "balling" and clam bucket operations, track loaders, and smaller support equipment..

The operation of the crane was by a NYS Licensed and certified crane operator. The crane inspection was conducted by the crane operator and the maintenance facility utilized by ThermoCor Kimmins. All records required by OSHA for crane operations were presented to ARCO on site.

During the crane inspection the following items were found to be defective and replaced prior to placing the crane in service; "bird caging" appeared at various points of the cranes cable, and a out-rigger foot pad was broken. The cable was replaced and the out-rigger foot pad was heli-arc welded and returned to service. Load testing was conducted prior to placing crane in full service. All information from testing was documented and presented to ARCO.

During all demolition activities the areas were secured and barricaded in conjunction with the HASP and OSHA requirements for safe working distances and crane working radius.

Blasting:

The blasting was directed and conducted by ThermoCor Kimmins subcontractor CDI (Controlled Demolition, Inc.) in coordination with ARCO, On-Site Consultants, State Police, Local Fire, EMS, Police departments, and ThermoCor Kimmins. Preliminary meetings were held with the above referenced group to determine and define emergency routes, barricading, crowd control, viewing areas, and delineation of an "Off Limits" area around the smoke stack.

Employee Training and Instruction:

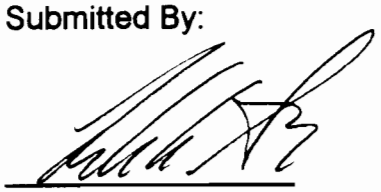
Prior to initiating any work activities all employees were required to attend a ThermoCor Kimmins On-Site Training Session. The training included a comprehensive review of the work activities and anticipated work area hazards, use of personal protective equipment, and company safety policies and procedures. The On-Site training included Man-Lift Operation, Powder Actuated Tool Use, Personal protective equipment, fire extinguishers, fall protection, torch use, site security, medical requirements, and hazard communications.

Employees engaged in the removal of ACM received On-Site training in addition to their AHERA Training.

Daily & Weekly Safety Meetings

ThermoCor Kimmins conducted safety and "kick off" meetings on a daily basis. This insured that each employee was adequately instructed in his work activity and its' safety concerns. Weekly topic meetings that included Eye Protection, Hand Protection, Working near cranes, etc. were presented on Monday morning prior to starting the weeks activities. All safety meetings were documented and observed by an ARCO designated representative.

Submitted By:



Frank Garrett
Director of Health and Safety

AET'S "ENVIRONMENTAL HEALTH SURVEY REPORT - THERMOCOR KIMMINS"

Accredited Environmental Technologies, inc.

ENVIRONMENTAL HEALTH SURVEY REPORT

THERMOCOR KIMMINS

NIAGRA FALLS, NEW YORK

Survey Conducted By: Glenn Brego

Report Prepared By: John Murphy

Report Approved By: Alan J. Sutherland, CIH
President

Management Contact: Gary Schenk

Project # 12-93-A338 OSHA Monitoring
Sinclair Oil Powerhouse
Wellsville, NY

Date of Report: January 12, 1994

6 Grandview Drive • Danbury, CT 06810
1-800-9696-AET • (203) 743-4002

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ENVIRONMENTAL HEALTH SURVEY REPORT

THERMOCOR KIMMINS

NIAGRA FALLS, NEW YORK

EXECUTIVE SUMMARY

In August of 1993, AET was contracted by Thermocor Kimmins to provide air monitoring for OSHA compliance and analytical services in conjunction with an asbestos abatement project at the Sinclair Oil Powerhouse located in Wellsville, NY. This project entailed the removal of asbestos containing Roofing, floor tile and debris from the powerhouse before ultimate demolition of the structure. Removal operations were performed during the months of August, September and October.

AET's monitoring program consisted of the collection of air samples during the day removal operation. Fiber levels for the workers doing the removal were monitored. Sampling results were compared to the current OSHA standard for asbestos.

Results indicate:

- Asbestos exposures to the removal workers during removal/clean-up operations were all below the current OSHA standard of 0.2 F/cc. Removal workers wore full-bodied protective clothing and NIOSH approved half face respirators during removal/clean-up operations.

A more detailed evaluation of the results of the Environmental Health Survey is found in the Results and Discussion sections of the attached report. Specific results of the air sample analysis are found in the Air Sampling Data Tables in the Appendix.

METHODS

Asbestos Sampling

Airborne asbestos samples were collected using calibrated equipment and NIOSH-recommended sampling procedures. Asbestos fibers were collected on mixed cellulose membrane filters with 0.8 micron pore size mounted in 3-stage filter cassettes. Sample collection was performed in the open face position by drawing a known volume of air through the filter with a sampling pump.

The AET monitoring program consisted of:

Monitoring of asbestos removal workers was performed per OSHA standard 1926.58 for asbestos during removal/clean-up operations. Personal samples were collected on 25 mm filters at 2.0 LPM with sample durations varying according to the length of the removal/clean-up operations. When feasible, 2 samples were collected and a time weighted average (TWA) exposure was calculated.

Asbestos Analysis

Airborne asbestos samples were analyzed in AET's Environmental Science Laboratory located in Lima, Pennsylvania, per NIOSH Method 7400 using P & CAM 239 counting rules. This method identifies total fibers by Phase Contrast Microscopy using 400X magnification. This method does not distinguish between asbestos and non-asbestos fibers (i.e. fiber glass, mineral wool, cellulose, etc.). All fibers with a length to diameter ratio of 3 to 1 or greater and a length of greater than 5 microns are considered to be asbestos fibers and are counted as such. The NIOSH 7400 Method of analysis requires 5.5 fibers per 100 fields to be counted to be considered "detectable". AET's laboratory is a successful participant in the NIOSH Proficiency and Analytical Testing (PAT) program and is accredited by the American Industrial Hygiene Association for asbestos analysis (# 289).

Note: It is AET's laboratory policy to discard used asbestos samples (i.e. filter cassettes and bulks) 30 days after the completion of the final report unless otherwise notified by the client.

STANDARDS

Occupational exposures to asbestos are evaluated by comparing them to the most recent threshold limit values (TLV-TWA) established by the Occupational Safety and Health Administration (OSHA). TLV's are time-weighted average concentrations for a normal 8-hour workday or 40-hour workweek to which nearly all workers may be repeatedly exposed, day after day, without adverse effects.

TLV's are used as guides in the control of health hazards but should not be used to distinguish between safe and dangerous concentrations. Both the EPA and OSHA have stated that any level of exposure to asbestos involves some health risk and levels should be kept as low as practical.

While TLV's allow excursions above permissible values, ceiling standards which are used for predominantly fast-acting contaminants are concentrations not to be exceed at any time.

The current OSHA standard for asbestos exposure is an eight hour time-weighted average concentration of 0.2 fibers per cubic centimeter of air. The OSHA asbestos regulation 1926.58 applies to all demolition, removal, encapsulation, construction, installation, and transportation of asbestos materials. It is also specific in the areas of medical surveillance, work practices, clean-up procedures, engineering controls, record-keeping requirements, etc.

RESULTS

Results of air samples collected during the 2 month removal operation are shown in the Air Sampling Data Tables in the Appendix.

Results indicate the removal workers' exposure to asbestos were below the current OSHA standard of 0.2 F/cc. Specifically, worker exposures ranged from 0.003 F/cc to 0.045 F/cc during removal. These exposures represent "worst case" concentrations (i.e. sampling equipment worn during removal only). Daily 8 hour TWA exposures are estimated at 0.004 to 0.007 F/cc. Worker exposures were also below 0.1 F/cc, an action limit where medical surveillance on exposed workers must be initiated.

OSHA Standard 1926.58 (f) (6) requires an employer to notify affected employees of asbestos exposure monitoring results as soon as possible following their receipt. Written notification shall be individually distributed or posted in a central location accessible to the affected employee.

Removal workers were wearing protective Tyvek suits with hoods and boots and NIOSH-approved half face respirators while performing the removal. These respirators have a protection factor of 10, capable of affording adequate protection where fiber levels do not exceed 2.0 F/cc.

APPENDIX

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA AIR MONITORING BUILDING S1 ROOF ABATEMENT

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4363	08/19/93	164/328	Aldo Celotta Permit# 88-04635/SS# 077-48-7127/on top of roof	0.011

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BUILDING S1)

SITE ACTIVITY: OSHA MONITORING DURING ABATEMENT OF BLDG. S1 ROOF

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4364	08/20/93	230/460	Aldo Celotto: NYS #0804635/ SS# 077-48-7127	<0.006
4342	08/20/93	30/60	Aldo Celotto: NYS #0804635/ SS# 077-48-7127 Excursion Sample	<0.045
4359	08/20/93	130/300	Aldo Celotto: NYS #0804635/ SS# 077-48-7127 On top of roof	<0.009

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S2) - ROOF

SITE ACTIVITY: OSHA MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4350	08/23/93	480/960	John Sweetland NYS Permit # 8911575 SS# 075 34 7044 on top of roof	0.003
4142	08/23/93	30/60	John Sweetland NYS Permit # 8911575 SS# 075 34 7044 excursion sample on top of the roof	<0.045

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S2) - ROOF/TURBINE ROOM

SITE ACTIVITY: OSHA MONITORING DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4135	08/24/93	450/900	John Marsillo NYS #90-00010 SS# 088 52 1150 on top of roof	0.004
4160	08/24/93	30/60	John Marsillo NYS #90-00010 SS# 088 52 1150 excursion sample	<0.045

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM ROOF

SITE ACTIVITY: OSHA AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4166	08/25/93	521/1042	Anthony Fasso Permit #88-07444 SS# 123-52-2282/On top of roof	0.003
4126	08/25/93	30/60	Anthony Fasso Permit #88-07444 SS# 123-52-2282 Excursion Sample	<0.045

Eight Hour Time Weighted Average

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4184	08/26/93	390/780	Dorwin Flint: NYS - 90 16394/SS# 120-52-6545 Turbine room roof on top of roof	0.004
4181	08/26/93	30/60	Dorwin Flint: NYS - 90 16394/SS# 120-52-6545 Excursion Sample	<0.045

8 Hour TWA Concentration 0.006

Accredited Environmental Technologies, inc.

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: Old Sinclair Powerhouse, Turbine Room, Roof

SITE ACTIVITY: Inside Work Area

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6946	09/01/93	570/1040	Inside work area: Dorwin Flint NYS# 90-16394 SS# 120-52-6545/ on top of roof - personal sample	0.003
6940	09/01/93	30/60	Inside work area: Dorwin Flint - Excursion Sample on top of roof	<0.045

8 hour TWA Concentration = 0.006

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AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: Old Sinclair Powerhouse, Turbine Room, Roof

SITE ACTIVITY: Inside Work Area

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6937	09/02/93	30/60	Inside work area: Anthony Fasso: NYS Permit #88-07666/SS#123-52-2282 personal Sample/excursion/on roof	<0.045
6933	09/02/93	460/920	Inside work area: Anthony Fasso: Personal sample on roof	0.004

8 Hour TWA Concentration = 0.007 F/CC

Accredited Environmental Technologies, inc.

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: Old Sinclair Powerhouse, Turbine Room, Roof

SITE ACTIVITY: Inside Work Area

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6924	09/03/93	330/660	Inside Work Area: John Marsillo: NYS Permit #90-00010 SS# 088-52-1150 personal sample on roof	0.004

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING COAL ROOM SECTION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7034	09/28/93	471/942	Inside Work Area: Aldo Celotto SS#077-48-7121 NYS Permit #88-04635	0.005
7026	09/28/93	30/60	Inside Work Area: Excursion Sample	<0.045

TWA Concentration 0.005 F/CC

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING COAL ROOM SECTION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7038	09/29/93	485/970	Inside Work Area: Dorwin Flint SS# 120-52-6545 NYS # 90-16374	0.005
3750	09/29/93	30/60	Inside Work Area: Dorwin Flint SS# 120-52-6545 NYS # 90-16374 Excursion Sample	<0.045

8 Hour TWA Concentration = 0.005 F/CC

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6593	10/11/93	380/760	Inside Work Area: Gary Schenk 88-03561 SS# 054-48-9351 Boiler room/using small front end loader	0.012
6588	10/11/93	30/60	Inside Work Area: Gary Schenk 88-03561 SS# 054-48-9351 Boiler room/using small front end loader	<0.045

8 Hour TWA Concentration = 0.012

AET'S "ENVIRONMENTAL HEALTH SURVEY REPORT - GEOSYNTEC CONSULTANTS"

Accredited Environmental Technologies
of New Jersey, Inc.

ENVIRONMENTAL HEALTH SURVEY REPORT

GEOSYNTEC CONSULTANTS, INCORPORATED

ATLANTA, GEORGIA

Survey Conducted By:	John Murphy Project Manager
	Glenn Brego NY State Proj. Monitor #AH-90-05820
Report Prepared By:	Alan J. Sutherland, CIH President
Management Contact:	Mr. Roger North Project #08-93-9924 Old Sinclair Oil Refinery Powerhouse Demolition Wellsville, NY
Date of Report:	November 30, 1993

90 Vineyard Road • Edison, NJ 08817
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ENVIRONMENTAL HEALTH SURVEY REPORT

GEOSYNTEC CONSULTANTS, INCORPORATED

ATLANTA, GEORGIA

EXECUTIVE SUMMARY

In August 1993, AET was contracted by Geosyntec Consultants, Incorporated to provide air monitoring and analytical services in conjunction with the asbestos demolition of the Old Sinclair Oil Powerhouse located in Wellsville, New York. This project entailed the removal of asbestos containing roofing, pipe insulation and asbestos containing debris in conjunction with complete demolition of the powerhouse and surrounding storage sheds. Demolition and removal operations were performed by Thermocor-Kimmins, Inc. between 8/10/93 and 10/20/93.

AET's monitoring program consisted of the collection of air samples before, during and after each phase of removal operation. Fiber levels for the workers doing the removal and levels inside and outside each removal area were monitored. Sampling results were compared to the current OSHA standard for asbestos.

Results indicate:

1. Final airborne concentrations at each roofing removal location and within the powerhouse after the completion of the removal/clean-up operations were below 0.01 F/cc, a level considered clean by Phase Contrast Microscopy.

2. Visual inspection of the floors and removal surfaces at each location following final cleaning found no asbestos surface contamination.

3. Airborne fiber concentrations surrounding the removal area during removal/clean-up operations were all below 0.1 F/cc. This fiber concentration represents an action limit whereby OSHA's Field Directive states, "medical surveillance on exposed workers must be initiated."

A more detailed evaluation of the results of the Environmental Health Survey is found in the Results and Discussion sections of the attached report. Specific results of the daily air sample analysis and construction activities are found in the Air Sampling Data Tables and construction logs in the Appendix.

METHODS

Asbestos Sampling

Airborne asbestos samples were collected using calibrated equipment and NIOSH-recommended sampling procedures. Asbestos fibers were collected on mixed cellulose membrane filters with 0.8 micron pore size mounted in 3-stage filter cassettes. Sample collection was performed in the open face position by drawing a known volume of air through the filter with a sampling pump.

The AET monitoring program consisted of:

1. Baseline airborne asbestos samples were collected at 3-5 designated locations inside and outside the removal area prior to removal. Samples were collected on 25 mm filters at 15.0 LPM with a minimum sample volume of 1425 liters.

2. Final airborne asbestos samples were collected at five designated locations inside and outside each area upon completion of asbestos removal. Samples were collected at 15.0 LPM with a minimum sample volume of 1830 liters.

3. Large volume air samples were collected on 25 mm filters at designated locations inside the powerhouse during removal of asbestos contaminated debris. Samples were collected at 2.0 LPM - 2.5 LPM with a minimum sample volume of 400 liters.

4. Large volume perimeter air samples were collected on 25 mm filters at 4-5 designated locations outside each removal area. These samples were collected in critical locations immediately adjacent to the removal area. Samples were collected at 5.0 LPM - 15.0 LPM with a minimum sample volume of 240 liters.

5. Large volume air samples were collected inside the change room of the decontamination chamber system during removal. Samples were collected at 5.0 LPM with a minimum sample volume of 1615 liters.

Note: A formal work plan was prepared for this project. Methods of removal and procedures for personal and environmental protection were determined by the removal contractor and adhered to work plan guidelines. Access to the work area was limited to authorized personnel only. Removal operations were performed during normal working hours since the powerhouse has been abandoned.

Asbestos Analysis

Airborne asbestos samples were analyzed in AET's Environmental Science Laboratory located in Edison, New Jersey, per NIOSH Method 7400 using P & CAM 239 counting rules. This method identifies total fibers by Phase Contrast Microscopy using 400X magnification. This method does not distinguish between asbestos and non-asbestos fibers (i.e. fiber glass, mineral wool, cellulose, etc.). All fibers with a length to diameter ratio of 3 to 1 or greater and a length of greater than 5 microns are considered to be asbestos fibers and are counted as such. The NIOSH 7400 Method of analysis requires 5.5 fibers to be counted per 100 microscopic field analyzed in order for a sample to be considered "detectable." AET's laboratory is a successful participant in the NIOSH Proficiency and Analytical Testing (PAT) program and is accredited by the American Industrial Hygiene Association for asbestos analysis (#289).

Note: It is AET's laboratory policy to discard used asbestos samples (i.e. filter cassettes and bulks) 30 days after the completion of the final report unless otherwise notified by the client.

STANDARDS

Occupational exposures to asbestos are evaluated by comparing them to the most recent threshold limit values (TLV-TWA) established by the Occupational Safety and Health Administration (OSHA). TLV's are time-weighted average concentrations for a normal 8-hour workday or 40-hour work week to which nearly all workers may be repeatedly exposed, day after day, without adverse effects.

TLV's are used as guides in the control of health hazards but should not be used to distinguish between safe and dangerous concentrations. Both the EPA and OSHA have stated that any level of exposure to asbestos involves some health risk and levels should be kept as low as practical.

While TLV's allow excursions above permissible values, ceiling standards which are used for predominantly fast-acting contaminants are concentrations not be exceeded at any time.

The current OSHA standard for asbestos exposure is an eight hour time-weighted average concentration of 0.2 fibers per cubic centimeter of air. The OSHA asbestos regulation 1926.58 applies to all demolition, removal, encapsulation, construction, installation, and transportation of asbestos materials. It is also specific in the areas of medical surveillance, work practices, clean-up procedures, engineering controls, record-keeping requirements, etc.

RESULTS

Results of air samples collected during the 49 day removal operation are shown in the Air Sampling Data Tables in the Appendix.

Fiber levels in the area samples collected inside the powerhouse work enclosure during roofing debris and rubble removal were below 0.1 F/cc. This concentration represents an action limit whereby OSHA's field directive states, "Medical surveillance on exposed workers must be initiated." Specifically, the fiber levels ranged from 0.002 F/cc to 0.011 F/cc.

Fiber concentrations inside the change room of the decontamination system during removal were well below 0.01 F/cc, representative of "clean air" by Phase Contrast Microscopy. Fiber levels ranged from 0.001 F/cc to 0.003 F/cc.

Fiber concentrations in the perimeter area samples collected during removal were all below 0.01 F/cc, representative of "clean air." Fiber levels ranged from <0.001 F/cc to 0.009 F/cc.

Final airborne fiber concentrations upon completion of asbestos removal were below 0.01 F/cc, a level considered "clean" by Phase Contrast Microscopy (i.e. NIOSH Method 7400). Final air testing followed AET's visual inspection of removal surfaces. Final fiber levels were representative of baseline levels found.

Note: NIOSH Method 7400 requires 5.5 fibers to be counted per 100 microscopic fields analyzed in order for a sample to be considered detectable.

DISCUSSION

Enclosure

This project entailed the removal of asbestos containing non-friable roofing from the buildings S1, S2, S3 and turbine section of the powerhouse and the demolition of the remaining asbestos roofing into the powerhouse. The removal and disposal of all asbestos containing materials and rubble from within the powerhouse was initiated prior to final demolition of the structure. Details of day to day activities are presented in the attached construction logs.

Prior to the asbestos removal, the lower windows and other penetrations of the Powerhouse were confined in two layers of 6 mil plastic sheeting. Note: windows on the turbine building S1, S2 and S3 were not covered in plastic during roof removal per New York State Industrial Code Rule 56, AV-97. The powerhouse was equipped with negative air machines for air movement only. No attempt was made to establish a negative pressure enclosure since the powerhouse had undergone significant demolition prior to removal activities.

A remote six chambered decontamination trailer consisting of a change room, shower, and equipment room was established near the powerhouse. Air quality within the change room was checked daily.

Fiber levels in the work area during removal were minimized by wetting techniques. Removal operations were performed by 2-5 workers wearing protective Tyvek suits with hoods, boots, and NIOSH-approved, half face respirators. These respirators have a protection factor of 10, capable of affordable adequate protection where fiber levels do not exceed 2.0 F/cc.

During removal operations worker decontamination procedures consisted of:

1. Workers donned two protective Tyvek suits and respirators within the change room of the decontamination chamber, then entered the work area.

2. When exiting the removal area(s) workers removed the exterior suit within the work area. The suits were placed in waste bags.

3. Workers entered equipment room of trailer, removed the remaining suit and proceeded to shower. Respiratory protection was removed upon showering.

Disposal

Roofing removed from the Turbine Room, S1, S2, and S3 was double bagged and disposed as asbestos containing waste. Roofing demolished into the Powerhouse was segregated and disposed as construction waste along with other non-asbestos debris (i.e. cement, roof panels, concrete, brick, etc.) The roofing is classified as Category I non-friable by EPA, and not regulated.

The remaining asbestos containing debris and rubble was placed in open top containers lined with two layers of 6 mil plastic sheeting. The material was disposed as asbestos containing waste.

APPENDIX A

TABLES

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (TURBINE ROOM & 2ND FL. VAT AREA)

SITE ACTIVITY: BASELINES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9274	08/10/93	105/1575	Inside Work Area: 2nd floor/VAT removal area/ at top of stairs	0.002
9266	08/10/93	100/1500	Inside Work Area: ground floor/turbine room/ center	0.002
9263	08/10/93	95/1425	Outside Work Area: outside bldg./at door to turbine room	0.002
9259	08/10/93	120/1800	Outside Work Area: outside bldg./southwest corner	0.003
9275	08/10/93	120/1800	Outside Work Area: outside bldg./west side even with stack/along fence	0.002
9273	BLANK	0 Fibers/ 100 Fields		
9271	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (POWER PLANT AND STORAGE BUILDING)

SITE ACTIVITY: BASELINES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9264	08/11/93	132/1980	Outside Work Area: outside power plant/southeast corner/along treeline	0.001
9267	08/11/93	120/1800	Outside Work Area: outside power plant/northeast corner/along treeline	0.001
9276	08/11/93	120/1800	Outside Work Area: outside storage bldg. #1/west side/on wall	0.002
9272	08/11/93	120/1800	Outside Work Area: outside storage bldg.#1/north side on wall	0.003
9260	08/11/93	120/1800	Outside Work Area: outside storage bldg.#1/south side/on wall	0.002
9261	BLANK	0 Fibers/ 100 Fields		

Received By:
Erin Hauschmacht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: POLYING WINDOWS ON OUTSIDE OF BUILDING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9265	08/11/93	155/2325	Perimeter: outside power plant/southside/on wall	0.001
9268	08/11/93	152/2280	Perimeter: outside power plant/southside/down wind work area	0.002
9277	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (STORAGE BUILDING S-1 & S-2)

SITE ACTIVITY: BASELINES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9278	08/12/93	180/2700	Inside Work Area: bldg. S1/roof/center	<0.001
9270	08/12/93	180/2700	Inside Work Area: bldg. S1/roof/center	0.002
9262	08/12/93	180/2700	Inside Work Area: bldg. S1/roof/center	0.002
9283	08/12/93	140/2100	Inside Work Area: bldg. S2/roof/center	<0.001
9281	08/12/93	140/2100	Inside Work Area: bldg. S2/roof/center	0.002
9282	08/12/93	140/2100	Inside Work Area: bldg. S2/roof/center	0.002
9287	08/12/93	120/1800	Outside Work Area: bldg. S2/outside/eastside	<0.001
9289	08/12/93	120/1800	Outside Work Area: bldg. S2/outside/southeast corner	0.001
9288	08/12/93	120/1800	Outside Work Area: bldg. S2/outside/northeast corner	<0.001
9292	BLANK	0 Fibers/ 100 Fields		
9293	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V. P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: PERIMETERS POLYING WINDOW OPENINGS

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9280	08/13/93	155/2325	Perimeter: outside main bldg./northeast corner	<0.001
9286	08/13/93	155/1550	Perimeter: outside main bldg./east side/ opp. coal room	<0.002
9279	08/13/93	155/2325	Perimeter: outside main bldg./northeast corner	<0.001
9285	08/13/93	155/1550	Perimeter: outside main bldg./east side/ opp. coal room	0.003
9291	08/13/93	155/1550	Perimeter: outside main bldg./east side/opp. coal room	<0.002
9290	08/13/93	150/2250	Perimeter: outside main bldg./ east side/opp. boiler room	<0.001
9284	BLANK	0 Fibers/ 100 Fields		
9294	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.F.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: WINDOW PREPARATION & CONSTRUCTION WOOD WINDOW FRAMES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9303	08/16/93	190/2850	Perimeter: powerhouse turbine room/north side	0.001
9304	08/16/93	190/2850	Perimeter: powerhouse turbine room/east side	0.002
9300	08/16/93	155/2325	Perimeter: outside powerhouse/south side at entrance to turbine room	<0.001
9297	08/16/93	155/2325	Perimeter: powerhouse turbine room/east side	<0.001
9307	08/16/93	150/2250	Perimeter: outside powerhouse/ south side at entrance to turbine room	0.002
9308	08/16/93	150/2250	Perimeter: powerhouse turbine room/east side	0.002
9305	BLANK	0 Fibers/ 100 Fields		
9306	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
VP

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (OUTSIDE MAIN POWERHOUSE)

SITE ACTIVITY: PERIMETER AIR MONITORING/PREPARATION OF WINDOW OPENING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9303	08/17/93		MISSING SAMPLE	
9298	08/17/93	130/260	Perimeter: outside/ powerhouse/west side/on small man-lift cage	<0.010
9302	08/17/93	242/3630	Perimeter: outside/ powerhouse/northwest corner/ along fence	0.002
9295	08/17/93	212/3180	Perimeter: outside/ powerhouse/north side/west corner	0.002
9299	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Erin Horvatt
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (TURBINE RM. & BUILDING S1)

SITE ACTIVITY: BASELINES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4387	08/17/93	120/1800	Inside Work Area: Outside/turbine room/roof	0.002
9296	08/17/93	120/1800	Inside Work Area: Outside/turbine room/roof	0.002
9301	08/17/93	120/1800	Inside Work Area: Turbine room/2nd floor/under roof	0.002
4379	BLANK	0 Fibers/ 100 Fields		
4388	08/17/93	120/1800	Inside Work Area: Outside/bldg. S1/roof/center	<0.001
4389	08/17/93	120/1800	Inside Work Area: Outside/bldg. S1/roof/center	0.001
4384	08/17/93	120/1800	Outside Work Area: Outside/bldg. S1/south side	<0.001
4385	08/17/93	120/1800	Outside Work Area: Outside/bldg. S1/east side	0.002

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BOILER, COOL HOPPER,AND TURBINE ROOM)

SITE ACTIVITY: BASELINES

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4382	08/18/93	100/1500	Inside Work Area: Boiler room/south perimeter wall	<0.002
4386	08/18/93	100/1500	Inside Work Area: Boiler room/south perimeter wall	<0.002
4383	08/18/93	100/1500	Inside Work Area: Boiler room/east perimeter wall	<0.002
4377	08/18/93	100/1500	Inside Work Area: Coal/hopper room/northwest corner	0.002
4380	08/18/93	100/1500	Inside Work Area: Coal/hopper room/southwest corner	0.002
4378	08/18/93	120/1800	Outside Work Area: Turbine room/section of bldg./ south side	0.002
4373	08/18/93	120/1800	Outside Work Area: Turbine room/section of bldg./ north side	0.002
4381	BLANK	1 Fiber/ 100 Fields		

Received By:
Eric Houseknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: PERIMETER AIR MONITORING DURING PREP OF WINDOWS

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4370	08/18/93	120/1800	Perimeter: outside Main bldg./northwest corner	<0.001
4372	08/18/93	185/2775	Perimeter: outside Main bldg./southeast corner	0.002
4374	08/18/93	180/2700	Perimeter: outside Main bldg./northwest corner	0.002
4362	BLANK	0 Fibers/ 100 Fields		

Received By
Eric Hauschneck
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: PERIMETER AIR MONITORING DURING ABATEMENT OF ROOF

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4375	08/19/93	185/2775	Perimeter: Bldg. S1 west side/ground level	0.001
4368	08/19/93	184/2760	Perimeter: Bldg. S1 southwest corner/ground level	<0.001
4369	08/19/93	185/2775	Perimeter: Bldg. S1 east side/ground level	0.001
4376	08/19/93	170/1700	Perimeter: decontamination trailer/clean room	0.002
4365	08/19/93	188/1880	Perimeter: Bldg. S1 south side/10ft from decon trailer	0.002
4360	BLANK	0 Fibers/ 100 Fields		
4361	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hemchwright
VP

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA AIR MONITORING BLDG. S1 ROOF ABATEMENT

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4363	08/19/93	164/328	Aldo Celotta Permit# 88-04635/SS# 077-48-7127/on top of roof	0.011

Reviewed By:
Erin Hausknecht
VP

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BUILDING S1)

SITE ACTIVITY: DURING ABATEMENT OF ROOF/PERIMETER AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4353	08/20/93	224/1120	Perimeter: Decontamination trailer/clean room	0.004
4366	08/20/93	222/2220	Perimeter: south side 5ft from decon entrance	0.002
4351	08/20/93	220/1100	Perimeter: east side center 15ft from bldg.	0.003
4367	08/20/93	218/2180	Perimeter: west side center/20ft from bldg.	0.001
4358	08/20/93	190/950	Perimeter: east side center/ 15ft from bldg.	<0.003
4357	08/20/93	190/1900	Perimeter: west side center/ 20ft from bldg.	<0.001
4356	08/20/93	190/1900	Perimeter: south side 5ft from decon/trailer	0.002
4355	08/20/92	190/950	Perimeter: Decontamination trailer/clean room	0.005
4354	BLANK	0 Fibers/ 100 Fields		
4352	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Houseknecht
VP

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BUILDING S1)

SITE ACTIVITY: OSHA MONITORING DURING ABATEMENT OF BLDG. S1 ROOF

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4364	08/20/93	230/460	Aldo Celotto: NYS #0804635/ SS# 077-48-7127	<0.006
4342	08/20/93	30/60	Aldo Celotto: NYS #0804635/ SS# 077-48-7127 Excursion Sample	<0.045
4359	08/20/93	130/300	Aldo Celotto: NYS #0804635/ SS# 077-48-7127 On top of roof	<0.009

Reviewed By
Eric Houseknecht
VP

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S1)

SITE ACTIVITY: FINAL AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4349	08/23/93	124/1860	Inside Work Area: Roof/northwest corner	0.003
4341	08/23/93	124/1860	Inside Work Area: Roof/southwest corner	0.002
4348	08/23/93	124/1860	Inside Work Area: Roof/northeast corner	0.002
4344	08/23/93	122/1830	Inside Work Area: Roof/southeast corner	0.002
4343	08/23/93	122/1830	Inside Work Area: Roof/center	0.003
4152	08/23/93	125/1875	Outside Work Area: Ground level/outside/north wall center	0.002
4153	08/23/93	124/1860	Outside Work Area: Ground level/outside/west wall center	0.002
4154	08/23/93	125/1875	Outside Work Area: Ground level/outside/east wall center	<0.001
4155	08/23/93	124/1860	Outside Work Area: Ground level/outside/south wall center	0.002
4150	08/23/93	123/1845	Outside Work Area: Ground level/outside/south east corner	0.002
4150	BLANK	0 Fibers/ 100 Fields		
4151	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hensheimt
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S1 & S2) TURBINE ROOM

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ABATEMENT OF ROOF

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4345	08/23/93	540/2700	Perimeter: Decontamination trailer/clean room	0.003
4347	08/23/93	280/2800	Perimeter: Bldg. S1 south side/at entrance to decon clean room	0.002
4346	08/23/93	265/1855	Perimeter: Bldg. S2 northeast corner	0.002
4340	08/23/93	265/1855	Perimeter: Bldg. S2 southeast corner	0.002
4143	08/23/93	140/1400	Perimeter: Bldg. S1 south side/at entrance to decon clean room	0.003
4146	08/23/93	136/952	Perimeter: Bldg. S2 Northeast corner	0.004
'144	08/23/93	136/952	Perimeter: Bldg. S2 southeast corner	0.004
4149	08/23/93	110/1650	Perimeter: turbine room/ground floor/at waste bag storage	0.004

Reviewed By:
Eric Hausknecht
VP

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S2) - ROOF

SITE ACTIVITY: OSHA MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4350	08/23/93	480/960	John Sweetland NYS Permit # 8911575 SS# 075 34 7044 on top of roof	0.003
4142	08/23/93	30/60	John Sweetland NYS Permit # 8911575 SS# 075 34 7044 excursion sample on top of the roof	<0.045

Received By:
Erin Hamerlett
VP

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S2) - ROOFS/TURBINE ROOM

SITE ACTIVITY: PERIMETER AIR MONITORING DURING ABATEMENT

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4134	08/24/93	555/2775	Perimeter: Decontamination trailer/clean room	0.002
4138	08/24/93	550/2750	Perimeter: Decontamination trailer/within 10ft of clean room entrance	0.002
4136	08/24/93	548/2740	Perimeter: turbine room/ground floor/ at waste storage area	0.001
4139	08/24/93	224/2240	Perimeter: outside northeast corner	0.002
4140	08/24/93	220/2200	Perimeter: outside southeast corner	0.001
4158	08/24/93	471/2355	Perimeter: turbine room/2nd floor/north side	0.001
4137	08/24/93	466/2330	Perimeter: turbine room/outside/SW corner	0.001
4157	08/24/93	464/2320	Perimeter: turbine room/outside/west side/along fence	0.002
4145	08/24/93	305/3050	Perimeter: turbine room/ground floor/north side	<0.001
4159	08/24/93	301/3010	Perimeter: turbine room/outside/west side perimeter wall/center	<0.001
4167	BLANK	0 Fibers/ 100 Fields		
4161	BLANK	0 Fibers/ 100 Fields		

Received By:
Eric Hausknecht
VP

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (BLDG. S2) - ROOF/TURBINE ROOM

SITE ACTIVITY: OSHA MONITORING DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4135	08/24/93	450/900	John Marsillo NYS #90-00010 SS# 088 52 1150 on top of roof	0.004
4160	08/24/93	30/60	John Marsillo NYS #90-00010 SS# 088 52 1150 excursion sample	<0.045

Reviewed By:
Eric Houseknecht
VP

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM - ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4163	08/25/93	560/2800	Perimeter: Decontamination trailer/ within 10 ft. of clean room entrance	0.001
72	08/25/93	558/2790	Perimeter: Turbine room/outside/ southwest corner	0.001
4164	08/25/93	557/2785	Perimeter: Turbine room/outside/west side/ along fence	0.001
4165	08/25/93	553/2765	Perimeter: Turbine Room/ground floor/south side	0.001
4179	08/25/93	360/1800	Perimeter: Turbine Room/2nd floor/ north side	<0.001
174	BLANK	0 Fibers/100 Fields		
4173	BLANK	0 Fibers/100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM - BUILDING S2 ROOF

SITE ACTIVITY: FINAL AIR TESTS MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4182	08/25/93	120/1800	Outside work area: Bldg. S2/outside/northeast corner	<0.001
4171	08/25/93	120/1800	Outside work area: Bldg. S2/outside/southeast corner	<0.001
4168	08/25/93	120/1800	Outside work area: Bldg. S2/outside/east perimeter wall/center	<0.001
4185	08/25/93	130/1950	Inside work area: Bldg. S2/roof/north side/center	0.002
4170	08/25/93	130/1950	Inside work area: Bldg. S2/roof/center	<0.001
4169	08/25/93	130/1950	Inside work area: Bldg. S2/roof/south side/center	0.002

Received By:
Eric Hanschmidt
V.P.

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM ROOF

SITE ACTIVITY: OSHA AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4166	08/25/93	521/1042	Anthony Fasso Permit #88-07444 SS# 123-52-2282/On top of roof	0.003
126	08/25/93	30/60	Anthony Fasso Permit #88-07444 SS# 123-52-2282 Excursion Sample	<0.045

Eight Hour Time Weighted Average

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4180	08/26/93	568/2840	Perimeter: Decontamination trailer/10 feet from entrance to clean room	0.001
4177	08/26/93	567/2835	Perimeter: Turbine room/outside/south side	0.002
4183	08/26/93	569/2845	Perimeter: Turbine room/outside/west side along fence	0.002
4187	08/26/93	565/2825	Perimeter: Turbine room/ground floor/south side near entrance	0.001
4186	08/26/93	565/2825	Perimeter: Turbine room/2nd floor/north side	0.001
4175	BLANK	0 Fibers/ 100 Fields		
4178	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Hausknecht

V.P.

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
4184	08/26/93	390/780	Dorwin Flint: NYS - 90 16394/SS# 120-52-6545 Turbine room roof on top of roof	0.004
4181	08/26/93	30/60	Dorwin Flint: NYS - 90 16394/SS# 120-52-6545 Excursion Sample	<0.045

8 Hour TWA Concentration 0.006

Received By:

Eric Hausknecht

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6956	08/27/93	425/2625	Perimeter: Decontamination trailer/within 10 ft from clean room entrance	0.002
6960	08/27/93	423/2615	Perimeter: Turbine room/outside/northwest corner	0.002
6968	08/27/93	425/2625	Perimeter: Turbine room/outside/west side/along fence	0.002
6958	08/27/93	421/2605	Perimeter: Turbine room/ground floor/south side	0.003
6971	08/27/93	425/2625	Perimeter: Turbine room/2nd floor/north side	0.001
6957	BLANK	0 Fibers/ 100 Fields		
6959	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Hornbrecht

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6973	08/27/93	410/820	John Marsillo: NYS Permit #90-00010 SS# 088-52-1150/ On top of roof	0.004
6969	08/27/93	30/60	John Marsillo: NYS Permit #90-00010 SS# 088-52-1150/Excursion sample	<0.045

8 Hour TWA Concentration 0.006

Reviewed By:

Eric Hausenbuiller

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6957	08/30/93	551/2755	Perimeter: Decontamination trailer/10ft from clean room entrance	0.002
6970	08/30/93	551/2755	Perimeter: Turbine room/outside/southwest corner	0.002
6966	08/30/93	551/2755	Perimeter: Turbine room/outside/west side along fence	MISSING SAMPLE
6972	08/30/93	551/2755	Perimeter: Turbine room/ground floor/ south side	0.002
6962	08/30/93	551/2755	Perimeter: Turbine room/2nd floor/north side	0.002
6963	BLANK	0 Fibers/ 100 Fields		
6961	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Erin Horvechuck
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6965	08/30/93	385/770	Aldo Celotto: NYS#88-04635/SS#077-40-7217 Inside Work Area: personal sample/on top of roof	0.004
954	08/30/93	30/60	Aldo Celotto: NYS#88-04635/SS#077-40-7217 Inside Work Area: personal sample/excursion on top of roof	<0.045

8 Hour TWA Concentration = 0.006 f/cc

Reviewed By:
Eric Hamerlinck
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6951	08/31/93	495/2475	Perimeter: Decontamination trailer/10 ft from clean room entrance	0.003
6952	08/31/93	495/2475	Perimeter: Turbine room/outside/southwest corner	0.003
6969	08/31/93	495/2475	Perimeter: Turbine room/outside/west side along fence	0.003
6949	08/31/93	495/2475	Perimeter: Turbine room/outside/north side center of wall	0.002
6953	08/31/93	495/2475	Perimeter: Turbine room/2nd floor/north side	0.002
6950	BLANK	0 Fibers/ 100 Fields		
6955	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Householder

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6948	08/31/93	30/60	Inside Work Area: John Swetland: NYS# 89-11595/SS# 075-34-7044 Personal sample/excursion/on top of roof	<0.045
6947	08/31/93	460/920	Inside Work Area: John Swetland: NYS# 89-11595/SS# 075-34-7044 Personal sample/on top of roof	0.004

8 Hour TWA = 0.006 f/cc

Reviewed By:

Eric Hausknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6944	09/01/93	558/2790	Perimeter: Decontamination trailer/10 feet from clean room entrance	0.002
6943	09/01/93	558/2790	Perimeter: Turbine room/outside/south side along wall/center	0.002
6941	09/01/93	558/2790	Perimeter: Turbine room/outside/west side/ along fence	0.001
6945	09/01/93	558/2790	Perimeter: Turbine room/outside/north side along wall/center	0.001
6942	09/01/93	558/2790	Perimeter: Turbine room/2nd floor/north side	0.001
6930	BLANK	0 Fibers/ 100 Fields		
6931	BLANK	0 Fibers/ 100 Fields		

Received By:
Erin Housekneckt
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6946	09/01/93	570/1040	Inside Work Area: Dorwin Flint NYS# 90-16394 SS# 120-52-6545/on top of roof Personal Sample	0.003
40	09/01/93	30/60	Inside Work Area: Dorwin Flint NYS# 90-16394 SS# 120-52-6545/excursion sample/personal sample	<0.045

8 Hour TWA Concentration = 0.006

Reviewed By:
Erin Hamekrecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING WASTE BAG REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6926	09/02/93	491/2455	Perimeter: Decontamination trailer/10 feet from decon room entrance	0.001
6936	09/02/93	488/2440	Perimeter: Turbine room/outside/south side/on wall center	0.002
6934	09/02/93	488/2440	Perimeter: Turbine room/outside/west side/along fence	0.001
6939	09/02/93	490/2450	Perimeter: Turbine room/outside/north side/on wall center	<0.001
6929	09/02/93	550/2750	Perimeter: Turbine room/2nd floor/north side	0.001
9206	BLANK	0 Fibers/ 100 Fields		
207	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6937	09/02/93	30/60	Inside Work Area: Anthony Fasso: NYS Permit # 88-07666/SS#123-52-2282 Personal Sample/excursion/on top of roof	<0.045
6933	09/02/93	460/920	Inside Work Area: Anthony Fasso: NYS Permit # 88-07666/SS#123-52-2282 Personal Sample/on top of roof	0.004

8 HOUR TWA CONCENTRATION = 0.007 F/CC

Received By:
Eric Houseknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: PERIMETER AIR MONITORING - BAG REMOVAL

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6928	09/03/93	120/240	Perimeter: Decontamination trailer/10 feet from clean room entrance	<0.011
6938	09/03/93	515/2575	Perimeter: Turbine room/2nd floor/north side	0.001
6935	09/03/93	515/2575	Perimeter: Turbine room/outside/north side/on wall center	0.001
6932	09/03/93	485/2425	Perimeter: Turbine room/outside/south side/on wall	0.002
6927	09/03/93	464/2320	Perimeter: Turbine room/outside/south west corner/ adjacent office trailer	<0.001
6925	09/03/93	323/1615	Perimeter: Decontamination trailer/10 feet from clean room entrance	0.002
9191	BLANK	0 Fibers/ 100 Fields		
9192	BLANK	0 Fibers/ 100 Fields		

Received By:
Eric Wonsetknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: INSIDE WORK AREA

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6924	09/03/93	330/660	Inside Work Area: John Marsillo: NYS Permit #90-00010 SS# 088-52-1150/Personal sample on top of roof	0.004

Received By
Eric Houseknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, TURBINE ROOM/ROOF

SITE ACTIVITY: FINAL AIR SAMPLING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9188	09/04/93	120/1800	Inside Work Area: Turbine room/roof/west side	0.002
9190	09/04/93	120/1800	Inside Work Area: Turbine room/roof/west side south	0.002
9193	09/04/93	120/1800	Inside Work Area: Turbine room/roof/center	0.002
9189	09/04/93	120/1800	Inside Work Area: Turbine room/roof/east side	0.002
9194	09/04/93	120/1800	Inside Work Area: Turbine room/roof/east side south	0.002
9196	09/04/93	120/1800	Outside Work Area: Turbine room/roof/outside South east of bldg./adjacent decon	0.002
226	09/04/93	120/1800	Outside Work Area: Turbine room/roof/outside South east of bldg./adjacent office	0.002
9202	09/04/93	120/1800	Outside Work Area: Turbine room/2nd floor/under roof	<0.002
9197	09/04/93	120/1800	Outside Work Area: Turbine room/roof/west side/ along fence	0.002
9195	09/04/93	120/1800	Outside Work Area: Turbine room/roof/north side along wall	0.002
9199	BLANK	1/2 Fiber/100 Fields		
9200	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hounshell

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, WELLSVILLE, NY

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING PREP & DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9204	09/15/93	459/2295	Perimeter: Decontamination trailer within 10 ft. of change room	0.002
211	09/15/93	456/2280	Perimeter: Coal Rm. section, southeast corner along treeline	0.001
9198	09/15/93	456/2280	Perimeter: Coal Rm. section, northeast corner along treeline	0.002
9205	09/15/93	455/2275	Perimeter: Coal Rm. section, north side along east fence	0.003
9203	09/15/93	455/2275	Perimeter: Coal Rm. section, west side along north fence	0.002
210	BLANK	0 Fibers/ 100 Fields		
9212	BLANK	0 Fibers/ 100 Fields		

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, WELLSVILLE, NY

SITE ACTIVITY: PERIMETER AIR MONITORING - DURING ROOF DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9208	09/16/93	593/2965	Perimeter: Decontamination trailer within 10 ft. of change room entrance	0.001
9217	09/16/93	593/2965	Perimeter: Coal Rm. section, southeast corner along treeline	0.001
9216	09/16/93	593/2965	Perimeter: Coal Rm. section, north corner along treeline	0.001
9215	09/16/93	593/2965	Perimeter: Coal Rm. section, north side along east fence	0.001
9209	09/16/93	592/2965	Perimeter: Coal Rm. section, west side along north fence	0.001
9214	09/16/93	435/1087	Perimeter: Coal Rm. section, in manlift cage with workers	0.004
9213	BLANK	0 Fibers/ 100 Fields		
9221	BLANK	0 Fibers/ 100 Fields		

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - COAL ROOM SECTION DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9218	09/17/93	461/2305	Perimeter: Decontamination trailer within 10 ft. of change room	0.002
219	09/17/93	458/2290	Perimeter: Coal Room section, southeast corner along treeline	<0.002
9222	09/17/93	457/2285	Perimeter: Coal Room section, northeast corner along treeline	0.002
9235	09/17/93	443/2215	Perimeter: Coal Room section, north side on east fence	0.003
9220	09/17/93	441/2205	Perimeter: Coal Room section, west side on north fence	0.002
232	BLANK	2 Fibers/100 Fields		
9229	BLANK	1 Fiber/100 Fields		

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - COAL ROOM SECTION DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9230	09/20/93	510/2550	Perimeter: Decontamination trailer/within 10ft of clean room entrance	0.002
9233	09/20/93	510/2550	Perimeter: Coal room section/SE corner/ along treeline	0.002
9234	09/20/93	510/2550	Perimeter: Coal room section/NE corner/ along treeline	0.002
9236	09/20/93	510/2550	Perimeter: Coal room section/north side/ along east fence	0.004
9237	09/20/93	510/2550	Perimeter: Coal room section/west side along west fence across smoke stack	0.003
`227	BLANK	0 Fibers/ 100 Fields		
9201	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hansknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - COAL ROOM SECTION DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
9223	09/21/93	565/2825	Perimeter: Decontamination trailer/within 10ft of clean room entrance	0.002
9224	09/21/93	566/2830	Perimeter: Coal room Coal room section/SE section along treeline	0.002
9225	09/21/93	566/2830	Perimeter: Coal room section/NE corner along treeline	0.001
9228	09/21/93	566/2830	Perimeter: Coal room section/north side along north fence	0.003
9231	09/21/93	563/2815	Perimeter: Coal room section/west side along west fence	0.002
7073	09/21/93	362/1810	Perimeter: Coal room section/south side along south fence	0.001
7068	BLANK	0 Fibers/ 100 Fields		
7070	BLANK	0 Fibers/ 100 Fields		

Received By
Erin Hanchett

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - COAL ROOM SECTION DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7056	09/22/93	570/2850	Perimeter: Decontamination trailer within 10ft of clean room	0.002
7057	09/22/93	573/2865	Perimeter: Boiler room/west side/along west fence	0.002
7064	09/22/93	570/2850	Perimeter: Boiler room/south side/along south fence	0.002
7063	09/22/93	540/2700	Perimeter: Coal room/SE corner/along treeline	0.002
7067	09/22/93	540/2700	Perimeter: Coal room/west side/along fence	0.003
7072	BLANK	0 Fibers/ 100 Fields		
069	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hardcastle

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - COAL ROOM SECTION DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7055	09/23/93	470/2350	Perimeter: Decontamination trailer/within 10ft of clean room entrance	0.003
7062	09/23/93	468/2340	Perimeter: Boiler room/south side/along fence	0.003
7066	09/23/93	466/2330	Perimeter: Boiler room/northeast corner/along treeline	0.002
7071	09/23/93	469/2345	Perimeter: Boiler room/west side/ along fence	0.003
7065	09/23/93	460/2300	Perimeter: Coal room west side/along fence	0.002
7060	BLANK	0 Fibers/ 100 Fields		
7061	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hardenbergh

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7054	09/24/93	450/2250	Perimeter: Decontamination trailer/within 10ft of clean room entrance	0.002
7052	09/24/93	250/2250	Perimeter: Boiler room/south side/along south fence	<0.001
7059	09/24/93	442/2210	Perimeter: Boiler room/south east corner/along treeline	<0.001
7058	09/24/93	440/2200	Perimeter: Boiler room/west side/along west fence	0.001
7053	09/24/93	440/2200	Perimeter: Coal room west side/along west fence	<0.001
7050	BLANK	1 Fibers/ 100 Fields		
7051	BLANK	1 Fibers/ 100 Fields		

Reviewed By:
Erin Horvath
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7035	09/27/93	600/3000	Perimeter: Boiler room/south side/along fence	0.001
7046	09/27/93	600/3000	Decontamination Trailer/within 10ft of clean room entrance	0.001
7048	09/27/93	600/3000	Perimeter: Boiler room northeast corner/along treeline	<0.001
7036	09/27/93	593/2965	Perimeter: Coal Room southwest corner/along fence	0.002
7049	09/27/93	590/2950	Perimeter: Coal room west side along west fence	0.002
7047	09/27/93	586/2930	Perimeter: Coal room northwest corner on fence	0.002
7045	BLANK	0 Fibers/ 100 Fields		
7042	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Hanselmann

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7033	09/28/93	490/2450	Perimeter: Coal room southwest corner/along fence	0.002
7040	09/28/93	490/2450	Perimeter: Coal room Northwest corner/along fence	0.003
7044	09/28/93	490/2450	Decontamination Trailer/10ft from clean room entrance	0.002
7043	09/28/93	490/2450	Perimeter: Boiler room/south side on south fence	0.002
7039	09/28/93	465/2450	Perimeter: Boiler room/northeast corner/along treeline	0.001
7037	09/28/93	461/922	Inside Work Area: Coal room/on Bobcat front end loader	0.006
027	09/28/93	30/60	Inside Work Area: Coal room/on Bobcat front end loader	<0.045
7030	BLANK	0 Fibers/ 100 Fields		
7032	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Hausheldt

V.P.

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING COAL ROOM SECTION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7034	09/28/93	471/942	Inside Work Area: Aldo Celotto SS#077-48-7121 NYS Permit #88-04635	0.005
7026	09/28/93	30/60	Inside Work Area: Excursion Sample	<0.045

TWA Concentration 0.005 F/CC

Reviewed By:

Eric Hornecker

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM SECTION ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7029	09/29/93	540/2700	Decontamination Trailer/within 10ft of the clean room entrance	0.001
028	09/29/93	520/2600	Perimeter: boiler room/south side along fence	0.002
7041	09/29/93	510/2550	Perimeter: coal room/south west corner/along west fence	0.002
7025	09/29/93	500/2500	Perimeter: coal room northwest corner along west fence	0.002
7021	09/29/93	470/2350	Perimeter: coal room southeast corner along treeline	0.003
7031	09/29/93	485/970	Inside Work Area: Coal room on Bobcat front end loader	0.005
3760	BLANK	0 Fibers/ 100 Fields		
3759	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hansknecht

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING: COAL ROOM SECTION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
7638	09/29/93	485/970	Inside Work Area: Dorwin Flint SS# 120-52-6545 NYS #90-16374	0.005
3750	09/29/93	30/60	Inside Work Area: Dorwin Flint SS# 120-52-6545 NYS #90-16374 Excursion Sample	<0.045

8 Hour TWA Concentration = 0.005 F/CC

Reviewed By:
Erin Hornecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3749	09/30/93	550/2750	Decontamination Trailer/10ft from clean room entrance	0.002
770	09/30/93	540/2700	Perimeter: Boiler room south side/along fence	0.002
3740	09/30/93	540/2700	Perimeter: Coal room southwest corner/ along west fence	0.002
3739	09/30/93	540/2700	Perimeter: Coal room Northwest corner/along west fence	0.002
3771	09/30/93	520/2600	Perimeter: Coal room southeast corner/along treeline	0.002
3730	09/30/93	325/650	Coal room/on front pay loader/transfering ACM waste from coal room to waste container	0.006
3729	BLANK	0 Fibers/ 100 Fields		
3772	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YOPK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3775	10/01/93	395/1955	Decontamination Trailer/10ft from clean room entrance	0.003
3768	10/01/93	380/1900	Perimeter: boiler room/south side/along fence	0.003
3773	10/01/93	380/1900	Perimeter: Coal room southeast corner along treeline	0.005
3766	10/01/93	380/1900	Perimeter: Coal room southwest corner/along fence	0.003
3774	10/01/93	380/1900	Perimeter: Coal room northwest corner/along fence	0.002
3769	10/01/93	365/730	Inside Work Area: Coal room on Bobcat front end loader	0.005
3761	BLANK	2 Fibers/ 100 Fields		
3765	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Houseknecht

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3758	10/04/93	514/2570	Decontamination Trailer/within 10ft of clean room entrance	0.002
3757	10/04/93	510/2550	Perimeter: boiler room/south side/along fence	0.002
3764	10/04/93	496/2480	Perimeter: coal room east side/along treeline	0.003
3756	10/04/93	520/2600	Perimeter: Coal room southwest corner/along west fence	0.002
3762	10/04/93	520/2600	Perimeter: Coal room Northwest corner along west fence	0.002
3763	10/04/93	525/1050	Inside Work Area: Coal room/ North side	0.004
3751	BLANK	0 Fibers/ 100 Fields		
3755	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Houseknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM/ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3754	10/05/93	520/2600	Decontamination Trailer/10ft from clean room entrance	0.002
3753	10/05/93	520/2600	Perimeter: Boiler room south side along fence	0.002
3752	10/05/93	515/2575	Perimeter: Coal room Southeast corner/along treeline	0.001
3747	10/05/93	515/2575	Perimeter: Coal room Southwest corner/along treeline	0.001
3748	10/05/93	515/2575	Perimeter: Coal room Northwest corner/along fence	0.002
3744	10/05/93	440/880	Inside Work Area: Coal room/on Bobcat front end loader	0.005
3746	10/05/93	210/570	Outside Work Area: Coal room/on 40 ton Komakus pay loader	<0.005
3742	BLANK	0 Fibers/ 100 Fields		
3741	BLANK	0 Fibers/ 100 Fields		

Received By:
Eric Houseknecht
V.F.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: COAL ROOM SECTION - CLEARANCE AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3736	10/06/93	520/2600	Decontamination Trailer/within 10ft of clean room entrance	0.002
3743	10/06/93	520/2600	Perimeter: Boiler Room/southside/along fence	0.001
3738	10/06/93	515/2575	Perimeter: Boiler Room/northeast corner/along treeline	0.002
3737	10/06/93	517/2585	Perimeter: Coal room Southwest corner along fence	0.002
3745	10/06/93	517/2585	Perimeter: Coal room Northwest corner/along fence	0.002
3726	BLANK	0 Fibers/ 100 Fields		
3725	BLANK	0 Fibers/ 100 Fields		

Received By:
Eric Hawkenelt
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: COAL ROOM SECTION - CLEARANCE AIR MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3735	10/06/93	120/1800	Inside Work Area: Coal room/northeast corner	0.002
3734	10/06/93	120/1800	Inside Work Area: Coal room/northwest corner	0 002
3733	10/06/93	120/1800	Inside Work Area: Coal room/middle section	0.002
3731	10/06/93	120/1800	Inside Work Area: Middle section/ east side	0.003
3732	10/06/93	120/1800	Inside Work Area: Coal room/middle section/west side	0.002
3728	BLANK	0 Fibers/ 100 Fields		
3727	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER ROOM DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6620	10/07/93	560/2800	Perimeter: Boiler room Northwest Corner along west fence	0.002
6603	10/07/93	556/2780	Perimeter: Boiler room/Southwest corner along west fence	OVERLOAD
6609	10/07/93	555/2775	Decontamination Trailer/within 10ft of clean room entrance	0.002
6612	10/07/93	554/2770	Perimeter: Boiler room South side along fence	0.002
6615	10/07/93	551/2755	Perimeter: Boiler room East side along treeline	0.001
6614	BLANK	0 Fibers/ 100 Fields		
6619	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6607	10/08/93	540/2700	Decontamination Trailer/within 10ft of clean entrance	0.002
597	10/08/93	540/2700	Perimeter: Boiler room South side along fence	0.002
6602	10/08/93	540/3780	Perimeter: Coal room SE corner along treeline	0.001
6608	10/08/93	540/2700	Perimeter: Boiler room NW corner along west fence	0.002
6611	10/08/93	540/2700	Perimeter: Coal room SW side along fence	0.002
6610	BLANK	0 Fibers/ 100 Fields		
6613	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6601	10/09/93	340/1700	Decontamination Trailer/within 10ft of the clean room entrance	0.002
604	10/09/93	228/1690	Perimeter: Boiler room South side/along fence	<0.002
	10/09/93	340/1700	Perimeter: Boiler/ Southwest corner along west fence	
	10/09/93	340/1700	Perimeter: Coal room Northwest corner/along west fence	
6605	10/09/93	275/1925	Perimeter: Coal room Southeast corner/along treeline	<0.001
6600	BLANK	0 Fibers/ 100 Fields		
606	BLANK	0 Fibers/ 100 Fields		

Received By:

Eric Hauschildt

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6595	10/11/93	540/2700	Decontamination Trailer/within 10ft of clean room entrance	0.002
6596	10/11/93	531/2695	Perimeter: Boiler room/southside/along fence	0.002
6598	10/11/93	540/2700	Perimeter: Boiler room/northwest corner/along west fence	0.002
6599	10/11/93	540/2700	Perimeter: Coal room northwest corner/along west fence	0.002
6592	10/11/93	515/1030	Inside Work Area: Coal room East perimeter wall	0.005
6594	10/11/93	510/2550	Perimeter: Coal room SE corner along treeline	0.002
6587	BLANK	0 Fibers/ 100 Fields		
6591	BLANK	0 Fibers/ 100 Fields		

Received By:

Eric Hovsepian

AIR SAMPLING DATA

THERMOCOR KIMMINS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: OSHA MONITORING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6593	10/11/93	380/760	Inside Work Area: Gary Schenk 88-03561 SS# 054-48-9351 Boiler room/using small front end loader	0.012
6588	10/11/93	30/60	Inside Work Area: Gary Schenk 88-03561 SS# 054-48-9351 Boiler room/using small front end loader	<0.045

8 Hour TWA Concentration = 0.012

Reviewed By:
Eric Hanschmacht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6586	10/12/93	540/2700	Decontamination Trailer/within 10ft of clean room entrance	0.003
6582	10/12/93	540/2700	Perimeter: Boiler room/southside/along fence	0.002
6589	10/12/93	535/3745	Perimeter: Coal room Southeast corner along treeline	0.002
6590	10/12/93	535/2675	Perimeter: Boiler room Northwest corner along west fence	0.002
6585	10/12/93	535/2675	Perimeter: Coal room Northwest corner along/west fence	0.003
6573	10/12/93	420/840	Coal/Boiler room on Komatus 40 ton payloader	0.007
-6580	BLANK	0 Fibers/ 100 Fields		
6581	BLANK	0 Fibers/ 100 Fields		

Reviewed By:

Eric Hausknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: PERIMETER AIR MONITORING - BOILER AND COAL ROOM ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6572	10/13/93	555/2775	Decontamination Trailer/within 10ft of clean room entrance	0.002
599	10/13/93	555/2775	Perimeter: Boiler room/southside/along south fence	0.002
6577	10/13/93	555/3885	Perimeter: Boiler Room/Northeast corner/along treeline	0.002
6571	10/13/93	551/2755	Perimeter: Boiler Room/West side/center/along fence	0.002
6575	10/13/93	551/2755	Perimeter: Coal room West side/center/along fence	0.003
6584	10/13/93	210/420	Perimeter: Boiler room/south perimeter wall/at payloader entrance	0.008
6583	10/13/93	200/400	Inside Work Area: Boiler room/on komatsu 40 ton payloader	0.011
6578	BLANK	0 Fibers/ 100 Fields		
6576	BLANK	0 Fibers/ 100 Fields		

Reviewed By

Eric Houseknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: BOILER AND COAL ROOM'S PERIMETER AIR MONITORING - ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
6570	10/14/93	576/2880	Decontamination Trailer/within 10ft of clean room entrance	0.003
574	10/14/93	576/2880	Perimeter: Boiler Room/southside along fence	0.002
3824	10/14/93	576/2830	Perimeter: Boiler Room/West side/center/along fence	0.003
3823	10/14/93	565/2825	Perimeter: Coal room West side/center/along fence	0.002
3825	10/14/93	525/2625	Perimeter: Boiler room North east corner/along treeline	0.002
3827	10/14/93	465/930	Inside Work Area: Boiler room/Fiat Payloader	0.002
3826	10/14/93	320/640	Boiler room/south perimeter wall/at entrance for payloader	0.008
3821	BLANK	0 Fibers/ 100 Fields		
3822	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Houseknecht
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE

SITE ACTIVITY: BOILER AND COAL ROOM'S PERIMETER AIR MONITORING - ABATEMENT AND DEMOLITION

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3820	10/15/93	510/2550	Decontamination Trailer/within 10ft of clean room entrance	0.002
3814	10/15/93	510/2550	Perimeter: Boiler room/south side along south fence	0.002
3819	10/15/93	500/3500	Perimeter: Boiler room/northeast corner/along treeline	0.001
3813	10/15/93	540/2700	Perimeter: Boiler room/west side/center/along fence	0.003
3818	10/15/93	540/2700	Perimeter: Coal room/west side/center/along fence	0.003
3815	10/15/93	405/810	Perimeter: Boiler room/south perimeter wall/at payloader entrance	0.009
3817	BLANK	0 Fibers/ 100 Fields		
3816	BLANK	0 Fibers/ 100 Fields		

Reviewed By.

Erin Hovekneht

V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, BOILER ROOM

SITE ACTIVITY: PERIMETER AIR MONITORING - ABATEMENT

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3810	10/16/93	570/2850	Decontamination trailer within 10 ft. of change room entrance	0.003
3808	10/16/93	568/2840	Perimeter: Boiler Rm., south side near fence	0.003
3809	10/16/93	556/2780	Perimeter: Boiler Rm., southwest corner along west fence	0.002
3812	10/16/93	556/2780	Perimeter: Boiler Rm., northwest corner along west fence	0.003
3811	10/16/93	555/2775	Perimeter: Boiler Rm., southeast corner near waste storage area	0.003
3804	BLANK	0 Fibers/100 Fields		
803	BLANK	0 Fibers/100 Fields		

Reviewed By:
Eric Hausknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE, BOILER AND COAL ROOMS

SITE ACTIVITY: FINAL AIR TESTS

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3805	10/17/93	300/3000	Outside work area: south side of Boiler Rm. near decontamination trailer	0.001
3807	10/17/93	300/3000	Outside work area: south side of Boiler Rm. along fence	0.001
3802	10/17/93	300/3000	Outside work area: east side of Boiler/Coal Rm. along treeline	0.001
3801	10/17/93	300/3000	Outside work area: west side of Boiler/Coal Rm. along fence	0.002
3806	10/17/93	300/3000	Outside work area: north west corner of Coal Rm. on fence	0.002
3746	10/17/93	300/3000	Inside work area: south side of Boiler Rm., center	0.002
-3797	10/17/93	300/3000	Inside work area: north side of Boiler Rm., center	0.002
3798	10/17/93	300/3000	Inside work area: south side of Boiler Rm., center of 2nd level	0.002
3799	10/17/93	300/3000	Inside work area: north side of Boiler Rm., center of 2nd level	0.002
3800	10/17/93	300/3000	Inside work area: south side of Coal Rm., near column	0.002
3795	BLANK	0 Fibers/100 Fields		
3794	BLANK	0 Fibers/100 Fields		

Reviewed By:
Eric Houseknecht

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: OUTSIDE BOILER ROOM DURING AND AFTER WASTE REMOVAL (AREA SAMPLING)

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3789	10/18/93	150/2250	Outside Boiler Room Near waste pile/along south fence	0.002
790	10/18/93	150/2250	Outside Boiler Room Near waste pile/east side	0.002
3793	10/18/93	150/2250	Outside Boiler Room Near waste pile/at decon trailer	<0.002
3791	BLANK	0 Fibers/ 100 Fields		
3792	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Erin Hovekmeldt
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: OUTSIDE BOILER ROOM DURING AND AFTER WASTE REMOVAL (AREA SAMPLING)

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3887	10/19/93	185/2775	Outside Boiler Room Near waste pile/at decon trailer	0.002
876	10/19/93	185/2775	Outside Boiler Room Near waste pile/east side	0.001
3888	10/19/93	185/2775	Outside Boiler Room Near waste pile/along south fence	0.001
3878	BLANK	0 Fibers/ 100 Fields		
3886	BLANK	0 Fibers/ 100 Fields		

Reviewed By:
Eric Hausmann
V.P.

AIR SAMPLING DATA

GEOSYNTEC CONSULTANTS

WELLSVILLE, NEW YORK

LOCATION: OLD SINCLAIR POWERHOUSE (MAIN BUILDING)

SITE ACTIVITY: WASTE DISPOSAL DURING AND AFTER BULK LOADING/AREA SAMPLING

SAMPLE #	DATE	TIME(min)/VOLUME(L)	LOCATION	F/CC
3780	10/20/93	80/1200	Southeast corner of site/south side of debris pile	0.003
3779	10/20/93	80/1200	Southeast corner of site/east side of debris pile	0.003
3783	10/20/93	80/1200	Southeast corner of site/west side of debris pile	0.004
3781	BLANK	0 Fibers/ 100 Fields		
3785	BLANK	0 Fibers/ 100 Fields		

Reviewed By
Eric Hausknecht
V.P.

CLIENT: GEOSYNTEC CONSULTANTS

LOCATION: OLD SINCLAIR POWERHOUSE, WELLSVILLE, NEW YORK

PROJECT #: 9924CT.BTA

DATE: 10/07/93

SAMPLE LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
Coal Hopper Sample #1	Negative	Black/ White	None Detected	100% Non-Fibrous

*Trace Chrysotile

Ann F. Speranzini
Analyst

Reviewed By:

APPENDIX B

LOGS

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech Sinclair Power Plant Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
1200pm	AET on site. I meet with Robert
	Ivee of ARCO. We discuss project
1215	Robert Ivee takes lunch break. he
	gives me a copy of the specs. to
	read while hes on lunch. AET
	off site. I read the spec for
	the next hour.
115	AET back on site.
130	I meet John Palmer. John and I
	discuss the Project
200	John Palmer and I drive to the
	power plant AND walk through the
	safe ~~areas~~ areas. Approximately 2/3 of
	the ~~Bldg~~ Bldg is consider structurely
	unsound and is unsafe to walk in.
245	I ~~start~~ air monitoring. All flowrates
	are calibrated. Because of limited building
	acess, power, and time I only start
	5 air samples I will run more 8/11/93
430	One of the generators runs out of

INDUSTRIAL HYGIENIST J Dean Brego DATE 8/10/93

TIME IN 1200 BREAK TIME 1215-115 TIME OUT 505 BILLABLE TIME 4.25

Accredited Environmental Technologies

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114
FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech Sinclair Power Plant Wickville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	gas. Since the air samples have
	over the minimum volume of air
	I leave the generator off.
445	I begin to collect my air samples
	and equipment, All sample flow rates
	have been calibrated.
515 pm	All samples and equipment collected
	AET leaves the site.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/10/93

TIME IN 1200 pm BREAK TIME 515 pm TIME OUT 515 BILLABLE TIME

Accredited Environmental Technologies

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech - Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET on site. One laborer for the contractor on site. I unload the generators and sampling equipment.
730	Other contractor employees arrive on site... I begin baseline air samples on the east side of the Power House.
830	The contractor puts in electrical pole.
940	I start baseline air sampling for the S-1 storage building.
950	I check the flow rates and collect the Power House baseline air samples started at 730Am. All air samples are pre and post calibrated. Workers detect a petroleum smell coming from the pole hole. The contractor and Health and Safety personel investigate the smell.
1030	I check worker NYS permits and log them in.

INDUSTRIAL HYGIENIST Glenn Brego DATE 5/11/13

TIME IN 700Am BREAK TIME ____ TIME OUT 500Pm BILLABLE TIME ____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntech Old Sinclair Power House Wellsville NY AET PROJECT #_____

TIME	OBSERVATIONS AND PROGRESS STATUS
	The contractor posts Asbestos danger signs on all entrances to the Power House and each side of the building. The contractor prepares to poly the outside window openings at the turbine room section of the building
1100	I start perimeter air sampling while the contractor start polying the south side of the turbine section of the building
1140	I collect the baseline air samples ~~started earlier~~.
1200	After ~~discussing~~ discussing the project procedures with John Murphy (AET) and the contractor we determine that the ~~poly~~ window opening do not need polying. (Variance -97 IN-plant operations)
1215	Workers break for lunch
115	workers return for lunch and take down the poly over the windows.
135	I collect the perimeter air samples.
200	Using the manlift, I collect samples

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/11/93
TIME IN_____ BREAK TIME_____ TIME OUT_____ BILLABLE TIME_____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntech Old Sinclair Power House AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	of the ~~coal~~ coal hopper, pipe insulation
	and debris.
230	Workers ~~attended~~ attended to other NON-abatement
	items. I collect the equipment
300	I ~~attended~~ attended, ~~[illegible]~~ a meeting with
	ARCO, ON-site, the Resident PE
	and Kimmins. During the
	meeting & a general schedule
	of work and procedures were
	discussed
500pm	The meeting ends. AET off
	the site
	AREAS to ~~Removed~~
1	S1 & S2 storage Buildings
2	Turbine section (Abatement)
3	Turbine Section (Demolition)
4	Power House ROOF demo
5	Power House Abatement

INDUSTRIAL HYGIENIST Glenn Bregg DATE 8/11

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech Old Sinclair Power House AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
715Am	AET and contractor on site. I unload my air sampling equipment and generators from the car.
730	I start baseline air sampling on top of the S-1 storage building; where the roof is to be removed All sample flow rates are calibrated
830	I start baseline air samples on top of the S-2 storage Building. Only the east side of the roof is remaining and will be removed as asbestos containing material.
915	The Health and Safety orientation meeting begins. In attendance are all of Kimmins on site personel, representatives from ARCO, on-site, and AET The meeting is given by Kimmins corporate Health and Safety officer.
1030	The Health & Safety meeting ends; workers

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/12/93
TIME IN 715 Am BREAK TIME ~~500 pm~~ TIME OUT ~~5~~ 30 pm BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: ~~Geotech~~ Geosyntech AET PROJECT # _____
Old Sinclair Power House

TIME	OBSERVATIONS AND PROGRESS STATUS
	hand in their NYS asbestos permits so they can be copied
1040	I collect the baseline air samples from S1 and S3 storage building
1050	All baseline air samples started earlier are collected. All flow rates of the air samples were pre and post calibrated
1100	I check workers NYS permits and log them in. Workers organize equipment and get certified on the automatic Nail gun by the Kimmins Health and safety Officer
1205	Workers break for lunch
1245	Workers return from lunch and await the approval from ARCO to begin abatement.
110	I start more baseline air samples around S-2 storage Bldg.
115	I speak with Amy Palmer of On Site We discuss the necessary paperwork needed by the contractor.

INDUSTRIAL HYGIENIST Glenn Biegel DATE 8/12/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech Old Sinclair Power House AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
200	Because the workers from Kimmins do not have medical documentation ARCO will not allow them to start physical removal of asbestos however Kimmins will be permitted ~~to~~ to poly the outside window openings. Workers continue to remove loose parapet bricks.
310	I collect the baseline air samples from around S-2 storage building All air sample flow rates were pre and post calibrated.
10	Workers continue to Remove the loose bricks from the roof parapet on the east side of the building
515	Workers Finish For the day I go to the office trailer site and brief Roger of Geosyntech on todays events Roger ask me to give him a copy of the daily report on a daily basis.
530	AET OFF the site

INDUSTRIAL HYGIENIST Glenn Briggs DATE 5/12/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House, Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700AM	AET on site. The contractor and workers are on site and presently conducting the daily safety meeting with Amy Palmer of On-Site. Amy Palmer hands out and goes over ARCO safety regulations
710	The meeting is concluded. Today the contractor will remove any loose material from the roof parapets on the south side of the Power House. The contractor will also install a poly critical barrier over the window openings on the east side of the main bldg.
750	I start outside perimeter air sampling on the east of the main bldg. where workers are preparing to poly the window openings. All sample flow rates are calibrated.
800	Workers, wearing body harnesses use the 2 man lift to knock down

INDUSTRIAL HYGIENIST Glenn Brege . DATE 8/13/03

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House, Wellsville, NY AET PROJECT #_____

TIME	OBSERVATIONS AND PROGRESS STATUS
	the loose material from the perapets
	and poly the window openings.
805 AM	I check workers NYS asbestos permits
	and log them in. All workers have valid permits
815 PM	Roger of Geosyntech on site. Roger
	and Walk around the site and
	discuss the project.
900	I check and observe workers using
	the man-lifts. Proper safety
	pre-cautions are being used. Workers
	are shutting off the engines to the
	man-lift after they are in position.
945	Workers break for 15 minutes.
1000	Worker continue preparing the
	window opening. One man-lift
	is being used to prep. the high
	windows and the other man-lift
	to prep the lower windows. The
	window openings are being ~~used~~
	prepared with 2 layers of 6mil poly

INDUSTRIAL HYGIENIST Glenn Brege DATE 8/13/93
TIME IN_____ BREAK TIME_____ TIME OUT_____ BILLABLE TIME_____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	poly sheet stapled to a wood frame.
	The wood frame is being Nail to
	the window frame with a Hilti
	Nail gun. All workers present
	have been cerified to use the Nail
	gun.
1025	I collect the two perimeter air
	samples and start two more. air
	samples. All air samples are
	pre and post ~~collected~~ calibrated
1120	The small man-lift breaks
	down. Workers fix it. It appears
	to be a loose wire
1200	Woekers break for lunch
1240	Woekess back from lunch. Two workers
	had to leave to obtain medical
	documentation. The remaining work
	don body harnesses and landed lines
	and resume preparation OF the
	east side windows.

INDUSTRIAL HYGIENIST Glenn Biego DATE 8/13/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House, Westbury, NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
100	I ~~start~~ collect the air samples
	Started earlier and start another
	set of two samples on the east side
	of the main Bldg. All sample flow
	rate are pre and post calibrated.
	Workers are using the proper
	safety procedures when using the
	man-lifts and Hilti Nail guns
200	I check the workers preparing the
	windows. All work seems to be
	in order. Five windows are now prepared
	with two being worked on.
0	Scott from On-Site at the project
	area. We ~~walk~~ walk through the work
	area. We observe workers crossing
	the arms of the two man-lift.
	We tell the one worker to move
	his man-lift, The worker does as
	requested
330	Workers decide to quit for the day

INDUSTRIAL HYGIENIST Glenn Bruce DATE 8/13/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	I check the flow rates and collect the air samples and equipment.
400	AET and Kimmins off the site I drop-off the copy of the daily report to Roger of Geosyntech

INDUSTRIAL HYGIENIST Glenn Bregg DATE 8/13/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700AM	AET and contractor on site. Kimmins has safety meeting. Since it is raining heavily. The contractor will pre-contruction the wood and poly barriers for the window openings inside the turbine room of the power house.
730	I unload air sampling equipment and the generators. Workers begin construction of the barriers in the turbine Room
740	I start perimeter air monitoring in the turbine Room. All sample Flow rates are calibrated.
800	I check workers asbestos permits and log them in. All worker have valid permits.
900	The Rain stops workes don body harnesses and install barriers on the window openings on the south side of the bldg. Workers are secured

INDUSTRIAL HYGIENIST Glenn Brega DATE 8/16/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power Plant, Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	to the man-lift that they are using via a life line.
1000	Rain is on and off today. Workers are continueing to work during the light rain periods
1100	I collect the two air samples started earlier and start two more air samples All sample flow rates were pre-and post-calibrated
1145	Workers break for lunch, worker have install 2 barriers over the window openings The barrier are constructed with 2 layers of 6 mil. poly sheeting and a wood frame The wood frame is nailed into the window frame using a Hilti Nail gun.
1220	Workers return from lunch and resume installing the barriers over the south side window openings.

INDUSTRIAL HYGIENIST Glenn Bugo DATE 8/16/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House, Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
1230 PM	The small man-lift is taken back by the rental firm because of starting problems.
100	Roger North on site. Roger North check the work progress. Crane truck on site.
2	Roge North off site.
130	Workers are using the large man-lift to install window barrier on the east side of the powerhouse and the other small man-lift for the south side. I collect the perimeter air samples and start another set. All sample flow rates were pre- and post calibrated.
200	Jon and Amy Palmer from "On-site" on site for a safety inspection.
215	On-site Reps find no violations and leave the site. Worker unload parts of the crane that have arrived.
300	Workers begin to remove loose

INDUSTRIAL HYGIENIST Glenn Bugo DATE 8/16/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Powerhouse, Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	brick from the top of the wall at the coal room section of the Bldg. (N.W. side)
400	I collect the perimeter air samples and post calibrate the flow rates.
	Workers continue to install the poly barrier over the window openings on the east side of the bldg.
500	Workers finishing up for the day and clean up work area.
515	AET off site to give Roger North copy of daily report
530	I return to the site. The contractors workers are leaving. Kimmins and AET off the site

INDUSTRIAL HYGIENIST Glenn Brega DATE 8/16/05

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Powee House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
715 AM	AET on site. The contractor has conducted his safety meeting with Amy Palmer of "on site" present for it. Today, workers will prep the window openings on the West side of the Powee House
7 5	Workers don body harnesses boots, hard hat, safety glasses, and work gloves in preparation to install the barriers over the window openings.
800	Workers using the man-lifts start to install the barrier over the window openings. I unload the generators and air sampling equipment. Roger North of
8:5	Geosyntech on site. North performs a progress inspection of the work area and then leaves the site
815	I set up perimeter air monitoring for the prep work occurring today. All sample flow rates are calibrated.
840	Robert Ivy of ARO on site for progress

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/17/95

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntech / Old Sinclair Power Plant House / Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	inspection.
0950	Robert Ivy leaves the site
900	Jon and Amy Palmer of "On-site"
	on site to drop off momo and
	workers NYS asbestos permit.
	Also Hemendra "Harry" Moradia of
	Weston/EPA on site
915	A late worker arrives on site. I check
	his NYS asbestos permit and I log him
	in; I brief him on safety procedures
	for general and man-lift work.
920	All visitors off the site
1430	I collect the perimeter air samples
	and start another set. All samples
	flow rates were pre-and post-calibrated.
	Hemendra "Harry Moradia on site "Harry"
	and I walk through the accessible
	work areas. The contractor is installing
	plywood barriers over the outside
	garage door openings and the boiler

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/17/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: ~~Geosyntech~~ / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	room door.
1100	~~Mobilized off the site~~ I continue set-up of perimeter air monitoring.
1145	John Emmerling DOL on site.
1210	Roger North, Robert Ivy and Joe Calahan all on site to meet the DOL inspector
1230	Emmerling DOL inspects the project work areas and decon trailers. Emmerling request that an additional air-lock be placed on the decon trailer
1245	Workers break for lunch.
130	Workers return from lunch. Emmerling and I go to the office trailers for a conference meeting with ARCO, Geosyntech and On-site. The project ~~to be discussed~~, and pre-testing necessary for this project is discussed.
200	Meeting ends. AET and Emmerling back on site.
230	Emerling leaves the site. I collect the

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/17/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	collect the perimeter air samples. Workers
8	are installing barriers on the North
	side of the Power House
310	I start baseline air samples on
	the roof of the turbine room and
	under it on the second floor.
430	Workers installing barriers over
	window openings on the North side
	of the power house
510	I collect the turbine room ROOF
	baseline air samples and start
	baseline air samples for the S-1
	building.
515	Workers finish for the day and
r	clean-up the work area.
600	The contractor leaves the site
715	I collect the air samples. All
	Air sample flow rates were pre- and
	post Calibrator
730	AET and worker lock up and leave the site

INDUSTRIAL HYGIENIST Glenn Biegs DATE 8/17/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntech / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET and Contractor ON site I unload generators and sampling equipment and set up baseline air samples inside the coal Hopper and boiler rooms. The contractor conducts the tool box safety meeting.
730	Workers don body harnesses and protective gear in preparation to install poly and wood barriers over the window openings.
745	I finish set up of the baseline air samples All samples are running and the sample flow rates have been calibrated.
800pm	Worker start to install poly and wood stud barriers over the window openings using the large and small manlifts. Roger North of Geosyntech and "Harry" Moradia of EPA on site for daily inspection. We walk around

INDUSTRIAL HYGIENIST Glenn Bugo DATE 8/15/23

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyNtech/ Old Sinclair Power House Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	the site and explain the project
	to moradia
830	North and moradia off site
	I check workers permits and log them
	in. All workers have valid permits.
0	I collect the baseline air samples
	and start the Final two outside
	baseline samples.
930	All baseline air samples started earlier
	have been collected. All sample flow
	rates have been pre- and post-calibrated.
1000	Workers install barriers over the opening
	on the North side of the Power House.
	I observe the workers using the
	proper safety gear and techniques
	on the man-lifts
1045	Dictograph personel on site. The Kimmins
	supervisor briefs Dictograph personel
	on safety precautions for the site.
1100	Dictograph starts work on the security

INDUSTRIAL HYGIENIST Glenn Bugo DATE 5/18/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power House Wellsville NY AET PROJECT #: _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	system. I collect the last two
	baseline air samples. I also
	start perimeter air monitoring.
1130	Both baseline air samples have
	been pre-and post ~~calibrated~~.
1200	Workers break for lunch.
1240	Workers return from lunch break
	and don protective gear and continue
	to install barriers over the window
	openings. As of 8/17/93 it has
	been noted that the top tier
	of window openings will not be
	covered will a barrier so the demolition
	crane operator can see through to
	the under side of the roof. This
	procedure was okay verbally by Robert
	Ruy of ACO and John Emmerling
	of the Department of Labor.
100	Niagara Mohawk Power company
	on site to hook up the electricity

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/18/93

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntech / Old Sinclair Power I AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	for the construction site, workers
	begin to tape the seams of the
	lowest tier ~~tier~~ windows. These windows
	have been previously board up.
1130	I collect and start another set
	of air samples for permeter air
	monitoring of the site
230	Power is Now ON. IN the trailers
250	Niagara Mohawk OFF the site
300	Dictograph OFF the site.
330	Workers are constructing the 3rd air
	lock on the decon trailer as requested
	by the DOL inspector
430	I collect the perimeter air samples
	All samples were pre and post calibrated
500	workers finishing up for the day
530	AET and Contractor off site

INDUSTRIAL HYGIENIST Glenn Bregg DATE 5/10/07

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT # _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700AM	AET + Contractor on site. The supervisor Gary Schenk conducts safety meeting. Amy Palmer of "On site" attend safety meeting.
730	Safety meeting concluded. Workers don protective gear including boots hard hats, safety glasses, and body harnesses for those working on the man-lifts. I log in workers and check permits.
800	Workers start to construct plywood wall over ground level opening on the south side of the Power House. I meet with Roger North over at his office to straighten out papeerwork
930	Workers finish construction of wall and have poyed it two layers of 6mil sheeting. The supervisor and I attend a pre-abatement meeting with Robert Ivy (ARCO), Roger North (Geosyntec) and

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/17/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Harry Morridia (EPA), we discuss project procedures, abatement practices and submittals. Worker attend to NON asbestos related work.
1130	Meeting ends. Robert Ivy has requested that we find out if there is a new requirement to Notify the NYS Health Department of an asbestos abatement project. I make the appropiate calls.
1200	Workers break for lunch.
1230	Workers return from lunch break.
1240	I receive word from the NYS DOH in Albany that there is NO requirements for Notification of abatement for the NYS Department of Health.
100	Robert Ivy (ARCO) gives his the approval to start abatement of the Bldg 51 roof. I inspect the 51 Bldg and give workmans AET's approval to begin abatement

INDUSTRIAL HYGIENIST Glenn Briggs DATE 8/19/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	of the roof by manual methods
	Workers. Workers don protective gear.
145	I set-up abatement air monitoring
	according to NYS regulations
200	Workers wear disposable clothes, PAPR's
	hard hats boots ~~&~~ and gloves use
	the man-lift to acess the S1 bldg
	roof.
210	Workers tie into the Roof
	and begin to wet the ROOF
	Jon Palmer (ON site) on site
	All air samples have been calibrated
	and are running
215	Workers begin roof removal.
230	I spot three kids riding bicycles
	on the east side of the site
	I stop them and have the kids
	leave. Workers are told to stop
	abatement to the kids leave
235	Abatement resumes.

INDUSTRIAL HYGIENIST Glenn Bugl DATE 8/19/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
250	Moridia (EPA). North (Geosyntec)
	and Rep from Army corp of Engineers
	on site
315	Worker is stung by a wasp
	No side effects are visible beside
	some minor swelling. Worker is
	John Marsillo SS# 088521150
400	Moridia, North and Rep. leave
	the site
415	Amy Palmer (ON site) on site to
	observe workers. Workers start to
	bag roofing material.
30	Amy Palmer (on site) leaves the site
	Workers double bagging the roofing
	material
430	Roof is 65% complete. Worker have
	removed and double bag all of the
	flashing and edging. workers
	come down off of the roof
500	Workers take bag of waste to

INDUSTRIAL HYGIENIST Glenn Bregg DATE 8/19/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

Accredited Environmental Technologies

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FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the turbine room for storage.
&	I collect the air samples workers
	decontaminate in the remote decon
	trailer.
515	All samples have been collected
	and pre and post calibrated.
530	Workers have all decontaminated.
	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brege DATE 8/19/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntech Consulants LOCATION: Old Sinclair Power House Bldg S-1

SITE ACTIVITY:

SCOPE OF WORK: Removal of S-1 Bldg roof by manuel methods in accordance with ICR 56 - In-plant operations

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
SIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	Boots hard hat gloves
NEGATIVE PRESSURE:	NA
WARNING SIGNS:	Posted
HOUSEKEEPING:	satisfactory
SITE SECURITY:	Security system
OCCUPANTS ADJ. AREAS:	Restricted.
SAFETY CONSIDERATIONS:	Hard Hats Body Harness tied-in
EMERGENCY PROCEDURES:	Posted in trailer
WASTE PACKAGING/QUANTITY:	2x 6 mil burial bags
WASTE ROUTE/PATH:	From roof to turbine room - all out-of doors
TRANSPORTATION METHOD:	-
WASTE STORAGE:	Turbine Room Ground floor
HAULER/LICENSE#:	-
LANDFILL:	-

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PRE-COMMENCEMENT INSPECTION CHECKLIST

PROJECT NO. Geosyntec Consultants LOCATION Old Sinclair Power House Bldg S-1

	YES	NO	N/A	
1.	(✓)	( )	( )	OSHA Regulations 1910.1001 posted?
2.	(✓)	( )	( )	Demo ~~Construction~~ permit signed & posted?
3.	( )	(✓)	( )	NYS ~~DCA~~ variance permit posted (i.e. for partial occupancy?
4.	( )	( )	(✓)	Contractor's placard with license number displayed?
5.	(✓)	( )	( )	Contractor's license (~~with Gold Seal~~) posted?
				EMERGENCY PHONE NUMBERS
6.	(✓)	( )	( )	A. Police
7.	(✓)	( )	( )	B. Fire
.	(✓)	( )	( )	C. Emergency Squad
9.	(✓)	( )	( )	D. Local Hospital
10.	(✓)	( )	( )	E. NY ~~New Jersey~~ Department of Labor
11.	(✓)	( )	( )	F. NY ~~New Jersey~~ Department of Health
12.	( )	( )	(✓)	G. New Jersey Department of Community Affairs
13.	(✓)	( )	( )	H. Accredited Environmental Technologies, Inc.
14.	(✓)	( )	( )	I. Contractor's office and/or Supervisor
15.	(✓)	( )	( )	J. Contractor's Monitoring Firm
16.	( )	( )	( )	Evacuation plan posted?
17.	( )	( )	(✓)	HVAC systems shut down?
18.	(✓)	( )	( )	Waste removal route as per design?
19.	( )	( )	(✓)	Bag Chamber acceptable?
20.	(✓)	( )	( )	Decontamination facility acceptable?
21.	(✓)	( )	( )	Hot and cold water in shower?
22.	(✓)	( )	( )	5 um wastewater filter in place and operational?
3.	( )	( )	(✓)	Interior plastic preparation acceptable?
24.	( )	( )	(✓)	Double layer on all floors?
25.	(✓)	( )	( )	Critical barrier construction acceptable?
26.	(✓)	( )	( )	OSHA warnings signs at all points of access?
27.	( )	( )	(✓)	Fully lockable waste storage container on site?
28.	(✓)	( )	( )	All asbestos worker carry NYDOL permits?
29.	( )	(✓)	( )	Name/number of waste hauler and landfill provided?
30.	( )	( )	(✓)	Adequate negative pressure (4 changes/hour)?
31.	( )	( )	(✓)	Adequate lighting?
32.	(✓)	( )	( )	Ground fault circuit interrupters to power supply?

NOTICE TO PROCEED

I have inspected the job site and found it to be acceptable to begin asbestos abatement. All work has been performed in acceptable manner and meets the requirements of ~~N.J.A.C. 5:23-8~~ NYS ICR-56 and any variations applicable.

Glenn Briggo
Asbestos Safety Technician

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and Kimmins on site
710	Amy Palmer (on site) and Gary Schenk (Kimmins) conduct safety meeting.
730	Safety meeting is concluded. Workers enter the decon trailer to don protective gear. I meet with Roger North to straighten out paper work
815	I start perimeter air monitoring for the Bldg S1, Workers wearing disposible suits boots, hard hats and PAPR's use the main lift to gain asess to the Bldg S1 roof
828	Kimmins start Bldg S1 roof removal again. All perimeter air sample flow rates have been calibrated with a rotometer.
930	It starts to rain. Workers are cautioned by supervisor to stop if the roof becomes to slippery. All workers are tied into the roof by a lifeline.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/20/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House

SITE ACTIVITY

SCOPE OF WORK: Removal of turbine Room Roof by manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
HEPA:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 workers 1 supervisor
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Satisfactory
SITE SECURITY:	Alarm system - Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	HEAT Stress conditions Body harness and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2 x 6 mil poly burial bags
WASTE ROUTE/PATH:	Roof to man-lift to truck to Trailer
TRANSPORTATION METHOD:	truck (pick up
WASTE STORAGE:	Trailer
HAULER/LICENSE#:	-
LANDFILL:	-

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PRE-COMMENCEMENT INSPECTION CHECKLIST

PROJECT NO. GeoSyntec Consultants LOCATION Old Sinclair Power House Wellsville NY Turbine Room Roof

	YES	NO	N/A	
1.	(✓)	( )	( )	OSHA Regulations 1910.1001 posted?
2.	(✓)	( )	( )	Construction permit signed & posted?
3.	(✓)	( )	( )	NYS ~~DEC~~ variance permit posted (i.e. for partial occupancy?
4.	( )	( )	(✓)	Contractor's placard with license number displayed?
5.	(✓)	( )	( )	Contractor's license (~~with Gold Seal~~) posted?
				EMERGENCY PHONE NUMBERS
6.	(✓)	( )	( )	A. Police
7.	(✓)	( )	( )	B. Fire
8.	(✓)	( )	( )	C. Emergency Squad
9.	(✓)	( )	( )	D. Local Hospital
10.	(✓)	( )	( )	E. NYS ~~New Jersey~~ Department of Labor
11.	(✓)	( )	( )	F. ~~New Jersey~~ Department of Health
12.	( )	( )	(✓)	G. NYS ~~New Jersey Department of Community Affairs~~
13.	(✓)	( )	( )	H. Accredited Environmental Technologies, Inc.
14.	(✓)	( )	( )	I. Contractor's office and/or Supervisor
15.	(✓)	( )	( )	J. Contractor's Monitoring Firm
16.	(✓)	( )	( )	Evacuation plan posted?
17.	( )	( )	(✓)	HVAC systems shut down?
18.	(✓)	( )	( )	Waste removal route as per design?
19.	( )	( )	(✓)	Bag Chamber acceptable?
20.	(✓)	( )	( )	Decontamination facility acceptable?
21.	(✓)	( )	( )	Hot and cold water in shower?
22.	(✓)	( )	( )	5 um wastewater filter in place and operational?
23.	( )	( )	(✓)	Interior plastic preparation acceptable?
24.	( )	( )	(✓)	Double layer on all floors?
25.	( )	( )	(✓)	Critical barrier construction acceptable?
26.	(✓)	( )	( )	OSHA warnings signs at all points of access?
27.	( )	(✓)	( )	Fully lockable waste storage container on site?
28.	(✓)	( )	( )	All asbestos worker carry NYDOL permits?
29.	( )	( )	(✓)	Name/number of waste hauler and landfill provided?
30.	( )	( )	(✓)	Adequate negative pressure (4 changes/hour)?
31.	( )	( )	(✓)	Adequate lighting?
32.	(✓)	( )	( )	Ground fault circuit interrupters to power supply?

NOTICE TO PROCEED

I have inspected the job site and found it to be acceptable to begin asbestos abatement. All work has been performed in acceptable manner and meets the requirements of NYS IR-56 and any variations applicable.

Glenn Briggs 8/20/93
Asbestos Safety Technician

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
1000	It is rainning hard. Workers come down off roof foe break. Worker stay in the equipment room.
1020	The rain lightens up. Workers proceed to the Bldg S1 roof and start again
1100	Workeas start to double bag waste. All roofing material removed is placed in a 6mil burial bag and taped sealed. Then the bag of ACM waste is placed into a second 6mil bag and taped sealed. The double bag is then lowered to the ground.
1200	Workers have taken the bags of waste over to the turbine room foe storage. Workero decontaminate through the decon trailee and break for lunch
100	Workers back From lunch break and resume cleaning procedures.
125	Workers have donned the proper protective

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

Accredited Environmental Technologies

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	gear and are ON the Bldg S1 roof
1	I resume perimeter air monitoring
300	Workers start removing bag of waste from the bldg S1 roof. All bags doubled and tape sealed.
330	Amy Palmer (ON site) arrives to make an inspection and take some pictures of the work site and crave
345	Amy Palmer OFF the site. I don protective gear and use the man lift to access the Bldg S1 roof. Worker have almost completed the work. I spot some heavy roof debris that has to be removed.
415	I come off the roof and decontaminate ~~using~~ the decon trailer.
430	Workers remove remaining bags from the Bldg S1 roof. The bags are hand carried to the turbine room for storage.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
500	Workers lock the turbine room and proceed to the decon trailer to decontaminate.
530	AET and Kimmins secure the site and leave the area. Ninety-five percent of the Bldg 5' roof is completed

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: Geo syntec LOCATION: Old Sinclair Power Plant

SITE ACTIVITY:

SCOPE OF WORK: Removal of Bldg S1 roof by non-friable manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	NA
SIDE BARRIERS:	NA
AFD:	NA
WORK PRACTICES:	Satisfactor
DECON SYSTEM:	Decon trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Satisfactor
SITE SECURITY:	Alarm System / Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	life lines and body harnesses for high work
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2 - 6mil burial bags
WASTE ROUTE/PATH:	Bldg S1 to turbine Room
TRANSPORTATION METHOD:	
WASTE STORAGE:	Turbine room
HAULER/LICENSE#:	
LANDFILL:	

CONSTRUCTION LOG

CLIENT/LOCATION: Geosynter Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
705 AM	AET on site. Kimmins and "on-site already present and are conducting the daily safety meeting.
715	safety meeting is concluded. Today Kimmins will do the last cleaning (spot cleanings) of the Bldg S1 roof and begin gross removal of the Bldg S2 roof. Workers don disposable suits PAPR's, boots and hard hats. Workers using the man lifts are also wearing a body harness and lanyard.
730	I start perimeter air monitoring for the S1 and S2 Bldgs. Workers spot clean the S1 Bldg roof and wet wipe it down. Also workers use the man-lift to acess Bldg S2 roof.
800	All air samples ARE running and have been calibrated.
830	Workers on the Bldg S2 roof have begun gross removal of the roofing material.

INDUSTRIAL HYGIENIST Glenn Bugg DATE 8/23/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Workers are using amended water to keep the roofing material wet and are bagging it as they remove it.
900	I suit up and inspect the the Bldg S1 roof. It has been adequently cleaned. I set up Inside the work area final air samples
930	The 5 IWA final air samples have been calibrated and are running I decontaminate through the decon. trailer.
1030	I observe the workers using proper manual removal methods of the Bldg S2 roof.
1110	I suit up with the protective gear and calibrate then collect the final air samples on the room
1130	All IWA final air samples collect I set up the 5 OWA samples.
	Workers come off the Bldg S2 roof and

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/23/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT # _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	decontaminate through the decontamination trailer.
1200	Workers break for lunch.
1210	AM OWA final air samples for the Bldg. S1 roof have been calibrated and are running. I collect the abatement samples
1245	Workers back on the site. workers help with the crane and police the general site area.
100	John Emmerling (DOL) on site. Emmerling checks paper work and workers NYS permits
215	I calibrate and collect the ~~OWA final samples for Bldg S1~~ ra
230	Emmerling (DOFL) uses manlift to Check the Bldg S1 roof. I start perimeter air monitoring for the Bldg S1 abatement. Workers have don the proper Protective equipment have restarted gross removal of the roof
400	Emmerling (DOFL) leaves the site.

INDUSTRIAL HYGIENIST Glenn Bregg DATE 8/23/13
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
445	Workers finish abatement for the day and move the bagg of waste to the storage area in the turbine room.
450	I collect the abatement perimeter air samples. All air samples have been pre and post calibrated.
500	All workers have decontaminated and are doing non abatement or asbestos related work.
530	AET off the site.

INDUSTRIAL HYGIENIST Glenn Brege DATE 8/23/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House

SITE ACTIVITY

SCOPE OF WORK: Removal of Bldg S-2 ROOF by manual methods, Final Air sampling of Bldg S4

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer - Remote
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	Disposable Clothing PAPRs gloves, Hard Hats boots
NEGATIVE PRESSURE:	NA
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm system / fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	lanyards body Harnes
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2x - 6mil burial bags
WASTE ROUTE/PATH:	S-2 Roof to turbine room
TRANSPORTATION METHOD:	Hand carried to turbine room
WASTE STORAGE:	Turbine RO
HAULER/LICENSE#:	—
LANDFILL:	—

Accredited Environmental Technologies

CERTIFICATE OF VISUAL INSPECTION

PROJECT NO.: _____

CLIENT: Geosyntec Consultants

SITE LOCATION: Old Sinclair Power House

PHASE/DESCRIPTION OF AREA: Bldg S1 - roof removal

INSPECTION TYPE:

CRITICALS ONLY: ____ PLASTIC SHEETING IN PLACE: ____

OTHER (SPECIFY): Visual inspection prior to Final Air sampling

Contractor Certification -

In accordance with project specifications and/or all applicable regulations, the contractor hereby certifies that he/she has visually inspected the work area (all surfaces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.) and has found no dust, debris or residue.

Signature: _____ Date: 8/23/93

Print Name/Title: GARY SCHENK ASBESTOS SUPERVISOR

Owners Representative Certification -

The Owner's Representative hereby certifies that he has accompanied the Contractor on his visual inspection and verifies that this inspection has been thorough and to the best of his/her knowledge and belief, the Contractor's certification above is a true and honest statement.

Signature: Glenn Brego Date: 8/23/93

Print Name/Title: Glenn Brego Project Monitor AET

Accredited Environmental Technologies, inc.

PRE-COMMENCEMENT INSPECTION CHECKLIST

PROJECT NO. GeosyNtec Consultants LOCATION Old Sinclair Power House Wellsville NY Bldg S-2

	YES	NO	N/A	
1.	(✓)	( )	( )	OSHA Regulations 1910.1001 posted?
2.	(✓)	( )	( )	Construction permit signed & posted?
3.	(✓)	( )	( )	NYS ~~DCA~~ variance permit posted (i.e. for partial occupancy?
4.	( )	( )	(✓)	Contractor's placard with license number displayed?
5.	(✓)	( )	( )	Contractor's license (~~with Gold Seal~~) posted?
				EMERGENCY PHONE NUMBERS
	(✓)	( )	( )	A. Police
	(✓)	( )	( )	B. Fire
8.	(✓)	( )	( )	C. Emergency Squad
9.	(✓)	( )	( )	D. Local Hospital
10.	(✓)	( )	( )	E. NYS ~~New Jersey~~ Department of Labor
11.	(✓)	( )	( )	F. ~~New Jersey~~ Department of Health
12.	( )	( )	(✓)	G. NYS ~~New Jersey Department of Community Affairs~~
13.	(✓)	( )	( )	H. Accredited Environmental Technologies, Inc.
14.	(✓)	( )	( )	I. Contractor's office and/or Supervisor
15.	(✓)	( )	( )	J. Contractor's Monitoring Firm
16.	(✓)	( )	( )	Evacuation plan posted?
17.	( )	( )	(✓)	HVAC systems shut down?
18.	(✓)	( )	( )	Waste removal route as per design?
19.	( )	( )	(✓)	Bag Chamber acceptable?
20.	(✓)	( )	( )	Decontamination facility acceptable?
21.	(✓)	( )	( )	Hot and cold water in shower?
22.	(✓)	( )	( )	5 um wastewater filter in place and operational?
23.	( )	( )	(✓)	Interior plastic preparation acceptable?
24.	( )	( )	(✓)	Double layer on all floors?
25.	( )	( )	(✓)	Critical barrier construction acceptable?
26.	(✓)	( )	( )	OSHA warnings signs at all points of access?
27.	( )	(✓)	( )	Fully lockable waste storage container on site?
28.	(✓)	( )	( )	All asbestos worker carry NYDOL permits?
29.	( )	( )	(✓)	Name/number of waste hauler and landfill provided?
30.	( )	( )	(✓)	Adequate negative pressure (4 changes/hour)?
31.	( )	( )	(✓)	Adequate lighting?
32.	(✓)	( )	( )	Ground fault circuit interrupters to power supply?

NOTICE TO PROCEED

I have inspected the job site and found it to be acceptable to begin asbestos abatement. All work has been performed in acceptable manner and meets the requirements of NYS ICR 56 and any variations applicable.

Glenn Brego 8/23/93

Asbestos Safety Technician

Accredited Environmental Technologies

CERTIFICATE OF VISUAL INSPECTION

PROJECT NO.: _____

CLIENT: Geosyntec Consultants

SITE LOCATION: Old Sinclair Power House

PHASE/DESCRIPTION OF AREA: Bldg 5-2 roof removal

INSPECTION TYPE:

CRITICALS ONLY: ____ PLASTIC SHEETING IN PLACE: ____

OTHER (SPECIFY): Visual inspection prior to final air sampling

Contractor Certification -

In accordance with project specifications and/or all applicable regulations, the contractor hereby certifies that he/she has visually inspected the work area (all surfaces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.) and has found no dust, debris or residue.

Signature: _____ Date: 8/24/93

Print Name/Title: CARY SCHENK ASBESTOS SUPERVISOR

Owners Representative Certification -

The Owner's Representative hereby certifies that he has accompanied the Contractor on his visual inspection and verifies that this inspection has been thorough and to the best of his/her knowledge and belief, the Contractor's certification above is a true and honest statement.

Signature: Glenn Brego Date: 8/24/93

Print Name/Title: Glenn Brego Project Monitor AET

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and Contractors on site. Contractor conducts daily safety meeting. Present is Amy Palmer of on-site.
715	Safety meeting is concluded. Today workers will finish the Gross removal and 1st cleaning of the Bldg 52 roof and start removal of the Turbine Room roof. Workers don disposable clothing, 1/2 face respirators (Approved by AEC 8/23/93), Hard Hats, safety boots and glasses and gloves. in preparation to resume removal of the roofing materials.
730	I set up start and calibrate perimeter air starts for the Bldg 52 work.
745	Workers use the man-lift to gain acess to the Bldg-52 roof. Also worker use the large man-lift to gain access to the turbine Room roof to secure the life line cable.
800	Workers are removing the remaining

INDUSTRIAL HYGIENIST Glenn Bugg DATE 8/24/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT # _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	roofing material on the Bldg S2. roof.
900	Workers finish the gross removal of
	the Bldg S2 roof and begin wet cleaning.
	Also workers don protective gear
	begin removal of the turbine room roof
	I begin perimeter air monitoring
	for the turbine room roof
1000	I am requested to ~~bee~~ inspect the
	Bldg S2 roof. I don protective
	clothing and equipment and make the
	inspection. Waste trailer Arrives on site
1030	The Bldg S2 roof passes inspection
	there are no visible signs of and/
	roofing material and the wood members
	Also workers have cleaned the roofing
	debris around the Bldg S2 that had
	previously Fallen off.
	Workers go to the turbine room roof
	and start removal on that roof.
1140	I collect the perimeter air samples for

INDUSTRIAL HYGIENIST Glenn Brege DATE 8/24/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies

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FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the Bldg S2.
1145	Workers come off the turbine room roof and proceed to the decon trailer
1200	Worker break for lunch.
1245	Workers back on site and don protective equipment and clothing. All perimeter samples are running.
110	Workers use man-lift to gain access to the turbine roof. All workers have body harnesses with lanyards that they will tie into with on the roof
120	Workers begin roof removal. Workers have a water hose running on to the roof.
230	It is lightening and thundering out On-site calls to get workers off the roof. Workers come down from roof. go to decon trailer to wait out the storm.
245	I get verbal results from the lab that

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/24/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies

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(215) 891-0114
FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: Geo Syntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	that the Final air samples collect for
	the Bldg S1 were below .0.01 F/cc
	which is below the clearance level
	for reoccupancy of an Asbestos work
	area. I inform the contractor
315	Workers resume manual removal
	of the turbine room roof. Also
	two worker poly the waste container
	with 2 layers of 6 mil poly sheeting
	and post warning signs.
400	Workers begin moving stored bags
	of waste to the waste trailer
455	I begin to collect the perimeter
	air samples.
515	All perimeter air monitoring samples are
	collected and have been pre and post
	calibrated
530	Workers are down off the roof and have
545	decontaminated. Workers lock the waste trailer which has hinge pro
600	AET on contractors workers off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/24/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Powee House Wellsville, NY

SITE ACTIVITY:

SCOPE OF WORK: Removal and wet cleaning of Bldg 52 roof. Removal of Turbine room ROOF. All removal by manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
IDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactor
DECON SYSTEM:	Decon trail AV 97 - waste dccon
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 workers 1 supervisor disposable clothing 1/2 half respirators, safety boots and glasses Oglove
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	posted
ISEKEEPING:	Satisfactory
SITE SECURITY:	Alarm system - fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body Harness & Lanyard for roof work
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2x 6mil burial bags
WASTE ROUTE/PATH:	Roof to turbine room
TRANSPORTATION METHOD:	truck or hand carried.
WASTE STORAGE:	turbine room / waste container
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
100	Amy Palmer (on site) here to take heat stress measurements. but leaves
110	workers on lunch break.
145	Worker back on site. Workers have
	their heat stress measurements are
	taken by the supervisor. Two workers
	have slightly elevated pulse rates from
	what the seperviser tells me. The
	Supervisor takes no action. Worker
	don protective gear in preperation to
	resume roof removal.
200	Workers wear body harness and lanyards
	plus protective asbestos gear use the
	man-lift to gain access to the roof
210	I warn a worker on the turbine
	roof to keep his respirator on as
	he pull it down to ~~tse~~ yell down
	for equipment. (Contractors radios not working
	today)
230	Robert Ivy (ARCO) Amy Palmer (on site) and Scott

INDUSTRIAL HYGIENIST Glen Biege DATE 8/20/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	(on-site) at the site to check Heat stress of workers. The contractor has filled out the Heat stress paperwork incorrectly and Amy Palmer want to check the two workers that had elevated pulse rate.
235	I call for the workers to come down and decontaminate.
245	Workers come off the roof and proceed to the decontamination trailer. Other workers stay on the roof and double bag the roofing material.
300	Workers come into the office trailer. Amy Palmer checks the workers Heat stress measurements.
330	Worker allowed to resume work. Other workers start 10 minute break rotation
350	The two workers checked for are back on the turbine room roof. Workers are don in the proper protective gear.

INDUSTRIAL HYGIENIST Glenn Burge DATE 8/25/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
430	Workers continue to double bag the roofing material. Workers are use 2-6mil poly burial bags One Worker is dedicated to placing water in each bag of waste to make sure the ACM roofing material does not dry out prior to reaching the landfill.
500	I calibrate and collect the perimeter air samples. Amy Palmer (QSite) on site
520	Workers come of the ~~the~~ roof and proceed to the decontamination trailer
530	Amy Palmer checks the workers Heat stress measurements.
545	All workers are okay according Amy Palmer.
600	Contractor [redacted] and AET off the site. The gate and waste trailer are locked and secured

INDUSTRIAL HYGIENIST Glenn Biegl DATE 8/25/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultant LOCATION: Old Sinclair Power House

SITE ACTIVITY

SCOPE OF WORK: Removal by manual methods of the turbine Room roof

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
...D:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer Remote
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 workers 1 supe. glasses 1/2 Face Respirators Hard Hats, body Harness and lanyards Disposable suits, safety boots
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Satisfactory
SITE SECURITY:	Alarm system - Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Heat Stress, Heat Stroke, ~~Heat Exhaust~~ Body Harness & lanyard for Roofwork
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2 x - 6 mil burial bag
WASTE ROUTE/PATH:	roof to waste trailer
TRANSPORTATION METHOD:	Hand carried / back of Pickup truck
WASTE STORAGE:	Waste trailer
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700pm	AET and Contractor on the site. The Contractor hold daily safety meeting.
715	Safety meeting is conclude. Amy Palmer (ON Site) takes initial medical ... for Heat Stress surualence on the workers
730	Workers unload newly arrived equipment.
740	Workers don disposable clothing safety boots and glasses, hatd hats, gloves, body harnesses and lanyards in preparation to resume removal of the turbine roo roof. I start perimeter air monitoring.
)	Workers use the man-lift to gain acess to the turbine room roof and start wetting down the roofing material
815	Workers begin removal of the turbine room roof for the day. I set up Outside Work Areas final air Samples for the Bldg 52.
845	I start and calibrate 3 OWA final

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/25/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	AIR samples for Bldg S2 and then set up the inside work area samples on the roof. I am setting a fan on the roof also.
945	I calibrate and start the IWA
	final air samples on the roof of Bldg S2
1045	Workers are still removing and bagging
	the roof material from the turbine
	roof. I calibrate and collect the
	IWA final air samples from the Bldg S2
1155	I calibrate and collect the IWA
	final air samples from the Bldg S2
	roof. Final air sampling was done
	agressively with a fan placed on
	the roof blowing a cross the
	roof North to South.
1220	Workers start to come down from
	the roof. Workers proceed to the
	decon trailer to decontaminate.
1250	Workers proceed to the office trailer
	for heat stress monitoring.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/25/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET on Contractor. Contractor conducts safety meeting. I warn all present to take up on the maintenance of their protective gear. All workers shall have a hard hat and safety glasses on while on site and workers should repair their disposable suits if any tears or occur. Scott (on-site) checks workers heat stress measurements.
715	Safety is concluded. Workers preceed to the clean room of the decon trailer to don disposable clothing, 1/2 face respirators, safety boots and glasses gloves, body harnesses and lanyards.
720	I set-up and start perimeter air monitoring. All air samples are calibrated.
745	Workers use the man-lift to gain acess to the turbine room roof.
800	All workers on the turbine room roof and begin removal for the day

INDUSTRIAL HYGIENIST Glenn Bugo DATE 8/26/93
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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
900	Workers start to use the man lift to removed the double bagged ACM from the turbine roof. Bag of ACM are place directly into the supervisor pick-up truck bed from the man-lift cage. The supervisor transports the bags to the other side of the site And unloads them into the waste trailer. So far NO bags of waste have been tagged with a generator's label. The contract says that he will have the stamp here today And will label the bags already in the trailer prior to the majority of the bags coming off the roof
1000	I start the inside the work area samples as required by the work plan on one of the workers.
1100	Rotation of the workers and Heat stress monitoring takes Place.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/25/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

IENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	One worker comes down off the roof, decontaminates, gets his heat stress measurements taken, rest for a few minutes then dons protective and goes back to work. After the worker gets back on the roof another worker will come down and repete the process. This type of worker rotation will continue until the workers break for lunch
1140	I check the air sample and see that all are running. I observe the contractor monitor the Heat stress of the workers properly, Worker are taking the proper safety safety measures when using the man-lift
1220	Workers come down from the roof and decontaminate.
1245	Supervisor takes and records Heat Stress measurements.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/26/93
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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
100	Workers break for lunch
150	Workers return from lunch break. The supervisor records their heat stress measurements:
200	Workers don protective equipment and resume work. This after NOON workers will remove the bags of ACM from the roof
300	I don protective gear and go up on the turbine room roof. I observe workers adding water to the bag of ACM. All waste bags are double taped sealed rinsed of and then brought to the man-lift to be taken down. Workers then load bags into the truck which takes the bags to the waste trailer to be labeled and place into the waste trailer.
330	I come off the roof, workers start break rotation.
430	I take the personal excursion AIR samples.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/26/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

IENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
500	I calibrate and collect the air samples
525	Workers come down of the roof and proceed to the decon chambers to decontaminate
545	Supervisor checks Heat Stress measurements According to Supervisor Gary Schenk there are no Heat Stress problems.
600	AET and Contractor off site

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/26/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and Contractor on site. Contractor
	holds safety meeting. Personal air
	sample results and site safety are
	discussed. Heat stress measurement are taken
720	Safety meetwg concludes. Scott
	Whitney (on-site) was present to
	monitor the Heat stress portion of
	the safety meeting. Workers don disposable
—	suits, safety boots and glasses, ½ face
	respirators and gloves in preparation
	to begin bag removal on the turbine
	room roof.
745	I start perimeter air monitoring
	and calibrate the air samples
	Workers wearing body harnesses and
	lanyards use the man-lift to
	gain access to the turbine room roof.
810	Workers begin bag removal
	Bags of ACM are rinsed off and
	placed in another 6mil burial bag,

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/27/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSystec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	taped sealed, and labeled on the roof. Workers then placed the doubled bags in the man-lift and the bags are brought down and placed in the bed of the contractors pick up truck. A worker transports the bags to the other end of the site and unloads them into the waste trailer.
930	I periodically checks the bags for rips and labels. All bags that need repair are taped over by the waste trailer worker or placed in another bag. All bags checked have a waste generator label on them.
1030	The contractor start worker rest break rotation and check their HEAT Stress measurements
1120	Workers come down OFF the roof and decontaminate For lunch break

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/27/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT # _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
1150	Contractor supervisor Gary Schenk takes the workers Heat stress measurements.
1200	Workers break for lunch.
1245	Worker return from lunch and have their Heat Stress measurements taken again.
100	Workers don proper protective equipment and resume bag removal off the turbine room roof
230	I start exclusion sample on the worker.
250	I calibrate and collect the perimeter air samples and equipment
300	Workers come off the roof and proceed to the decon trailer
315	Workers Heat stress measurements are taken. Contractor says there were no problems with Heat stress today.
330	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/27/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House

SITE ACTIVITY:

SCOPE OF WORK: Removal of turbine Room Roof by manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	satisfactory
DECON SYSTEM:	Decon trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 workers safety boots and glasses gloves 1 supervisor disposable suits hard hats
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm/fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	Heat stress monitoring Body Harness & lanyards for high work
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2x-6 mil poly burial bags
WASTE ROUTE/PATH:	Roof/manlift/pickup truck/waste traile
TRANSPORTATION METHOD:	manlift & pickup truck
WASTE STORAGE:	Waste traile
HAULER/LICENSE#:	—
LANDFILL:	—

3475
1199

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on Anthony Fasso of Thermo-Kimmins on 8/25/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Room Roof	521 mins	1042 l	0.003
2.	Turbine Room Roof	30 mins	60 l	< 0.045
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.004 F/cc

Reviewed by Thermocor-Kimmins Employees:

1. John Lovejoy
2. John Marcello Jr
3. [illegible]
4. Dominic W Flint
5. Anthony Fasso
6.
7.
8. Signed 8/27/93

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Jon Palmer (on-site) also present. The contractor conducts safety meeting. Previous TWA's and air sample results and rigging.
720	Safety meeting concluded. Workers don disposable suits, safety boots and glass hard hats, 1/c face respirator, body harnesses and lanyards. in preparation to resume roof removal of the turbine room. I set-up perimeter air monitoring equipment
750	I calibrate and start the perimeter air samples. Workers donned protective equipment. use the man-lift to gain acess to the turbine room roof.
800	Workers wet down the roof with water from the ground tap. and then start removal.
815	Other workers (demo) start to demolish the S-3 and S-2 building. Demolition does not affect the safety of the asbestos

INDUSTRIAL HYGIENIST Glenn Drego DATE 8/30/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Workers removing on the turbine room roof.
830	I log workers in. Workers have problems with the large man lift telescoping outward when controled from the cage. The supervisor workers it from the ground controls. The man-lift repairmen is called.
1000	I inspect the decon trailer and see that it is in order.
1030	I observe asbestos workers using proper safety precautions when removing the turbine room roof
1100	The contractor supervisor shenk tries to start worker rest rotation however the man-lift is giving him problems and will not operate properly.
1130	The S2 and S3 buildings are now completly demolished.
1140	Repairmen for man-lift on site

INDUSTRIAL HYGIENIST Glenn Buge DATE 8/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Asbestos workers use the other man-lift to acess the roof
1230	Workers come off the roof and decontaminate. Workers Heat stress measurements are taken by the supervisor shenk
100	Worker break for lunch. John Emmerling Pob on site. Jeff Bechtel EPA TAT also on site. I take Bechtel over to ARCO's office space.
145	Workers back on site. DOL checks workers NYS permits.
200	After being monitored for Heat stress workers don protective equipment.
220	Worker wearing proper protective equipment are back on the roof and resume abatement
245	DOL has corrected a problem with the contractor's notice of abatement
.	DOH and I check out the project

INDUSTRIAL HYGIENIST Glenn Bregg DATE 8/30/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	site. Doh comments that the
	decon clean room was a little
	messy and I should have the
	contractor clean it more than
	once a day.
330	John Emmerling of DOL off site.
400	Two workers have to leave early
	so they come off the turbine Room
	roof Othree workers are double bagging the Acm
415	The two workers Heat stress measurements
	are taken. According to the supervisor
	schewit the workers are okay.
430	workers leave the site.
450	I collect the perimeter air samples.
	All air sample were pre and post
	calibrated.
525	Workers come off the roof, ~~and~~ decon-
	taminates and have their Heat stress
	monitored.
550	AET and Contractor off site

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/30/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consolants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Turbine Room Roof - Roof removal by manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer Remote
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 workers Disposable suits, Hard Hats, Safety 1 supervisor Boots and glasses, gloves 1/2 Face Resp.
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	posted
HOUSEKEEPING:	Satisfactor
SITE SECURITY:	Alarm system - fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Heat Stress Body Harness & lanyards
EMERGENCY PROCEDURES:	Post
WASTE PACKAGING/QUANTITY:	2x 6mil poly burial bags
WASTE ROUTE/PATH:	Man-lift to pick up truck to waste trailer
TRANSPORTATION METHOD:	Man-lift and Pick up truck
WASTE STORAGE:	Waste trailer
HAULER/LICENSE#:	-
LANDFILL:	-

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on Darwin Flint of Thermo-Kimmins on 8/26/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Room	390	780	0.004
2.	Turbin Room	30	60	<0.045
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.006

Reviewed by Thermocor-Kimmins Employees:

1. Robert Massie
2. Arthur Fasso
3. Darwin Flint
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. Signed 8/30/93

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700pm	AET and Contractor on site. Amy Palmer (on site) is present for contractor safety meeting.
710	The contractor conducts safety meeting Heat Stress measurements are taken while compressed gas tank use is discussed. TWA for 8/27/93 and perimeter air sample results are also discussed and posted.
720	The safety meeting is concluded. Workers prepare to begin work for the day by donning disposable suits, ½ face respirators safety boots and glasses, hard hats, gloves, body harnesses and lanyards. I set up perimeter air monitoring equipment
740	Workers with proper protective equipment on use the man-lift to gain access to the turbine room roof. I start perimeter air samples
810	I collect the excursion air sample from

INDUSTRIAL HYGIENIST Glenn Bugg DATE 8/31/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the worker and start another air sample on him.
815	All workers are on the roof removing and bagging the roofing material
1000	John Emmerling DOL on site. DOL checks decon clean room for cleanliness.
1030	DOL is satisfied with the decon. Emmerling makes a recommadation that the contractor does not use the man-lift to take down the bags of roofing waste with a man in the cage because he thinks that the man-lift is not safe with out outrigging. The Contractor supervisor Schenk tells the DOL that he will either use a pulley system off howe the man-lift unmanned man-lift to take down the bags of roofing material
1045	Emmerling DOL agrees that Either method of bag transportation is acceptable

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/31/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSystec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	and leaves the site
1130	Amy Palmer (on site) here inspects crane area.
1220	Workers come off the roof and decon-taminate. Bldg S1 being readied for demo.
1245	Workers ~~Have~~ heat stress measurement taken and then break for lunch
130	Workers back on site, Heat stress measurements are taken.
145	Workers don protective equipment in preparation to removal work The Bldg S1 is being demolished.
200	Workers in proper protective equipment use the man-lift to gain access to the roof.
210	All workers up on the roof removing and bagging the roofing material Roger North on site to inspect the job site. Roger North note that ~~site~~ since Bldg S2 has been demolished

INDUSTRIAL HYGIENIST DATE 8/31/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	There is no security fence up, any can walk into the boiler house and there is some roof material still in the alley between the boiler house and the demo debris pile.
245	We inform the supervisor whom says that he can put up a "snow" fence around the pile but can not bag the ACM OR close the boiler house opening until the parapet and wall has been secured.
300	Roger North off site. Jeff Bechtel EPA TAT on site and inspects the work area.
400	Due to thunder storm and high wind workers come off the Roof I collect the air samples. All samples were pre and post calibrated
430	Workers have decontaminated and secure the work area. AET and contractor off site

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/31/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies

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(215) 891-0114
FAX (215) 891-0559

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on John Macsillo of Thermo-Kimmins on 8/27/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Room Roof	410	820	0.004
2.	Turbine Room Roof	30	60	<0.045
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.006

Reviewed by Thermocor-Kimmins Employees:

1. John Macsillo
2. Anthony Sasso
3. John Sullivan
4. Damian W Flint
5. A J Colella
6. [illegible]
7.
8. Signed 8/31/93

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700am	AET and Contractor on site Contractor holds safety meeting. Discussed at the meeting is protective equipment, and air test results.
720	Workers don disposable suits, 1/2 face respirators safety boots, glasses, gloves, body harnesses and lanyards in preparation to remove the turbine room roof. I set up perimeter air monitoring equipment
740	Workers in the proper protective equipment use the man lift to gain access to the turbine Room for. I begin perimeter air monitoring and calibrate the sample flow rates. Demo debris removal begins
800	I discuss with contractor supervisor Shhawk to straighten out storm damage fence and roped off the area caution tape
830	Robert Ivy on site to discuss fence and demo debris removal.
900	Workers on roof using water while

INDUSTRIAL HYGIENIST Glenn Biegl DATE 9/1/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	removing the asbestos roofing material.
1000	Dan Hoffner and Frank Garrett of
	Kimmins on site. Kimmins has
	corrected the fence and caution tape
	problems corrected.
1230	Workers come down off the roof
	and decontaminate.
100	Workers break for lunch
145	Workers back on site and don the proper
	protective equipment for roof abatement
210	Workers use the man-lift gain access
	to the turbine room roof. Workers
	have completed the gross bulk removal
	and have bagged the roofing material
	This afternoon workers will double bag
	and label the bags of waste
230	Roger North Geosyntec. on site, North
	and I inspect the work area.
300	North leaves the site. I go up
	on the man-lift and observe workers

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/1/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	on the roof. Workers are adding water to the bags of roofing waste, and double bagging the single bags. Also workers tape up any rips or holes that may have developed. Amy Palmer (on-site H&S) on site for safety check.
320	I come down from man-lift
330	Demo debris removal finishes for the day. The orange "snow" fence is put back in place
415	Dan Hoffner + Frank Garrett off site
	I check with Amy Palmer (on site H&S) about worker heat stress monitoring because it is over 70°F (Exactly 73°F)
	Palmer tells me to keep checking with the workers and that it is the workers discussion if they need to come off the roof for a break.

INDUSTRIAL HYGIENIST Glenn Riego DATE 8/1/93
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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
420	I speak with the workers. They decline on "off the roof" break workers have just finish on "on the roof" rest break.
500	I calibrate and collect the air samples and equipment
520	Workers come off the roof for the day.
545	Workers have decontaminated.
600	AET has check the site. The site is secure. AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/1/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: GeoSyntec Consultants LOCATION: Old Sinclair Power Plant Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Turbine Room Roof - Removal of roof by manual methods

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer Remote
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	5 worker 1/2 face respirater, disposable suits, 1 supervisor safety boots and glasses, gloves
NEGATIVE PRESSURE:	NA
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm/fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body Harness + lanyards for high work
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2 x 6mil poly burial bag
WASTE ROUTE/PATH:	Roof to manlift to pickup to trailer
TRANSPORTATION METHOD:	man-lift, pickup truck, Hand
WASTE STORAGE:	Waste trailer
HAULER/LICENSE#:	
LANDFILL:	

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on Aldo Celotto of Thermo-Kimmins on 8/30/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Roof 1	385	770	0.004
2.	Turbine Roof	30	60	< 0.045
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.006 f/cc

Reviewed by Thermocor-Kimmins Employees:

1. [signature]
2. Dominic Field
3. John Morello
4. Al Celotto
5. [signature]
6.
7. Signed 9/1/93
8. Glenn Bugo

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	and tarkd bats in preparation to begin bag removal from the turbine room roof.
740	I start perimeter air monitoring and ... calibrate the sample flow rates Workers in proper protective equipment use the man-lift to gain access to the roof.
810	Workers start bringing the bags of waste down. I check the bags. All bag of roofing material are doubled taped sealed and labelled with a generator tag. Workers are using the man-lift to take down the bags and place them directly into the trailer
850	I check the bags being brought down, all is in order.
920	I check the bags being brought down. I spot a tear in one of them

INDUSTRIAL HYGIENIST DATE 9/2/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	which the trailer worker repairs with tape.
9845	I check the bags brought down and see that all bags are properly labelled doubled and taped.
9850	While the man-lift is being loaded at the turbine room roof level a bag slips out of the cage. I have the operator shut down the man-lift and I check the bag which has fallen approximatly 40 Feet. The bag is intact, there are no rip tears or holes. I load bag back on to the trailer. I have the supervisor place more fencing around the cage.
1000	Supervisor fixes the cage and places more fence around it.
1030	Two more workers arrive on site I log them in. Workers don protective

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/2/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	equipment.
1045	Workers wearing the proper equipment use the man-lift to gain acess to the roof and join in the work.
1120	I check bags being brought down I observe the bags all properly double taped sealed and labelled
1240	Workers come off the roof and decon-taminate.
110	Workers break for lunch.
210	Workers back on site. Workers don protective equipment
230	Workers in the proper protective equipment go back on to the turbine room roof and resume waste bag removal. At this time workers have removed approximately 40% of the bags
300	Storm front is approaching. I tell foreman on roof it is his call when

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/2/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	to come off the roof The Foreman has better advantage of wind speed and direction.
350	Roger North on site. The storm is approaching I call the workers ~~day~~ down for the day
400	Workers down off the roof WORKERS take up VAT pile in the turbine room on the second floor.
415	Tiles were wetted and bagged. More searching through the debris will be conducted 9/3/93. Other workers are doing general housekeeping inside the turbine room. One of the perimeter air samples directly on top of the VAT pile was ~~pump~~ running when the VAT was bagged. I have collect and calibrated all other samples
500	Workers decontaminate. I collect

INDUSTRIAL HYGIENIST Glenn Burge DATE 9/2/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #: _____
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the last air sample
530	Site secure. AET and contractor
	off the site

INDUSTRIAL HYGIENIST Glenn Biega DATE 9/2/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House Belleville NY

SITE ACTIVITY:

SCOPE OF WORK: Turbine Room Roof. Abatement of roof - Waste bag removal

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer Remote
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	3 workers ½ face respirators, disposable suits 1 supervisor safety boots and glasses, gloves hard h
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm system - Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Heat Stress AFTERNOON Body Harnesses and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	2 x 6 mil poly burial bags
WASTE ROUTE/PATH:	Roof to man-lift to waste trailer
TRANSPORTATION METHOD:	Man-Lift, Hand
WASTE STORAGE:	Waste trailer
HAULER/LICENSE#:	-
LANDFILL:	-

ON-SITE HEALTH & SAFETY SERVICES, INC.

ARCO/WELLSVILLE REMEDIATION SITE

INSPECTION CHECKLIST

This check list is not all inclusive, but is designed to serve as a guide for things to look for in doing walk thru inspections on a routine basis. Please make notes or comments on this form of any violations of safety procedures, or unsafe actions that you may encounter, and your recommended corrective actions. All violations shall be corrected in a timely manor. Use additional sheet if necessary.

DATE OF INSPECTION: 9/2/93 BY: Glenn Brego

Asbestos Removal Turbine Room Roof Visual Inspection

CATEGORY	NON-COMPLIANCE or COMMENT	RECOMMENDED ACTION	DATE OF CORRECTION
Housekeeping	Satisfactory		
Slips/Trips/Fall Hazards	None	= discussed in safety meeting	
Electrical Safety	Ext. Wires on ground	= Workers made aware	
Heavy Equipment Safety	= Workers not exceeding max wt. Man-lift - Workers using body harness & lanyards		
Hand/Power Tools Safety	Gloves worn - No problems observed		
Use of PPE	Good except for respirator not being put on until set on to roofs. Talk about lunch break		
Unsafe Acts	None Observed		
Other	One bag of waste falls from man-lift		
Additional Comments:	Cage - additional fencing placed on man-lift cage - problem solved w/in minutes.		

Reviewed By: _____ Date: _____

C.M. Signature: _____ Date: _____

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on John Scotland of Thermo-Kimmins on 8/31/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Room Roof	30 minutes	60 l	L. 0.045
2.	Turbine RoomRoof	4½ Omminutes	930 l	0.004
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.006 F/cc

Reviewed by Thermocor-Kimmins Employees:

1. [signature]
2. [signature]
3. [signature]
4. [signature]
5. [signature]
6.
7.
8. Signed 9/2/93

OSHA AIR MONITORING

RESULTS

Please be advised that the personal air samples collected on Dorwin Flint of Thermo-Kimmins on 9/1/93 were as follows:

	LOCATION	DURATION	VOLUME	FIBERS PER CUBIC CENTIMETER
1.	Turbine Room Roof	570	1040	0.003
2.	Turbine Room Roof	30	60	<0.045
3.				

EIGHT HOUR TIME WEIGHTED AVERAGE 0.006 F/cc

Reviewed by Thermocor-Kimmins Employees:

1. [signature]
2. [signature]
3. Dorwin W Flint
4. [signature]
5.
6.
7.
8. Signed 9/2/93

Accredited Environmental Technologies

CERTIFICATE OF VISUAL INSPECTION

PROJECT NO.: Geosyntec

CLIENT: Geosyntec Consultants

SITE LOCATION: Old Sinclair Power House Wellsville NY

PHASE/DESCRIPTION OF AREA: Turbine Room Roof

INSPECTION TYPE:

CRITICALS ONLY: ____ PLASTIC SHEETING IN PLACE: ____

OTHER (SPECIFY): Final Visual Inspection prior to Finals

Contractor Certification -

In accordance with project specifications and/or all applicable regulations, the contractor hereby certifies that he/she has visually inspected the work area (all surfaces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.) and has found no dust, debris or residue.

Signature: _____ Date: 9/3/93

Print Name/Title: Gary Schenk - Supervisor

Owners Representative Certification -

The Owner's Representative hereby certifies that he has accompanied the Contractor on his visual inspection and verifies that this inspection has been thorough and to the best of his/her knowledge and belief, the Contractor's certification above is a true and honest statement.

Signature: Glenn Brego Date: 9/3/93

Print Name/Title: Glenn Brego - Project Manager

CONSTRUCTION LOG

161.25
1 5

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700am	AET on site The Contractor is present but short 2 workers Robert Ivy ARCO also on site
710	Contractor conducts safety meeting. Falling objects and Air monitoring results are discussed. Robert Ivy ARCO tells workers that they must wear hardhats safety boots and glasses on site when they come in and leave. I tell Robert Ivy that Jon Palmer From On-Site H&S said that the contractor can come in and leave the site as long as there is no demo or other operations in progress. Robert Ivy says the issue will be discussed but for the time being hats, glasses, and boots will be worn on site, entering and leave as well
720	Meeting concludes. Workers don disposable suits w/ face respirators, safety boots & glasses, gloves, body harnesses /anyards

INDUSTRIAL HYGIENIST Glenn Biegel DATE 9/2/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Due to last nights rain storm job site is partially flooded with 2-3 inches of water.
710	Contractor holds safety meeting. Discussed are the air monitoring results and precautions for slips and falls.
730	Safety meeting concluded. Workers don disposable suits safety boots and glasses. 1/2 face respirators, body harnesses and lanyards, hard hats and gloves in preparation to remove the bags of waste from the roof and perform the Final cleaning. I set up perimeter air monitoring samples and equipment.
800	Workers in proper protective equipment use the man-lift to gain access to the turbine room roof. Will double bag remaining bags of roofing waste

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/3/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	and load them into the trailer.
920	All perimeter air samples are running and have been calibrated.
930	Roger North of Geosyntec on site. Roger North checks out site. The supervisor Schenk has taken the small man-lift to the north side of the boiler room and has begun to knock down any loose parapet brick.
1000	Workers begin to bring the bags of roofing waste off the roof. Workers are loading the bags directly into the man-lift and then after the man-lift is brought down into the waste trailer.
1015	I inspect the bags of waste brought down at bags are doubled and labelled. Workers will tape over and repair any rips or tears in

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/3/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geo Syntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the bags.
1130	Workers come off the roof and decontaminate
1300	Workers break for lunch
100	Workers back on site Workers don protective equipment in preparation to resume work. I am requested by the supervisor Schenk to begin the visual inspect at approximately 300 pm. I agree to do that.
125	Workers in the proper protective equipment resume bag removal and final clean up
200	Crane moves on to the site
230	Supervisor goes up on to the roof Crane boom move over roof where workers. I have them move the boom back to orginal position away from the roof
245	I don protective equipment and

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/3/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	go up on to the roof for visual inspection. Workers taking last few bags off the roof.
300	It starts to rain. Workers continue to clean up the small amount of debris.
310	Rain stops. I continue my inspection Workers clean area that I point out.
320	All bags off the roof. Workers take equipment down. Foreman sprayeds down roof and worker wetsweep behind him.
345	The roof passed visual inspection There is a small stack in the S.W. corner that is very loose. North of Geosyntec has agreed that 3 square feet around stack will stay because of safety reasons.
400	I have decontaminated and start

INDUSTRIAL HYGIENIST Glen Brego DATE 9/3/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #:
Old Sinclair Power House Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	to & calibrate and collect my
	air samples.
410	Air samples are collect. Workers
	have decontaminated and some
	are leaving the site.
430	I prepare pump and equipment
	For air sample tomorrow.
500	AET and contractor OFF the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/3/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultant LOCATION: Old Sinclair Power House

SITE ACTIVITY

SCOPE OF WORK: Turbine Room Roof - Removal of roof (Waste bag removal & final cleaning)

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
..FD:	N/A
WORK PRACTICES:	Satisfactor
DECON SYSTEM:	Decon trailer - Remote
DECON SEQUENCE:	CR/AL/JR/AL/ER/AL
PERSONNEL/PPE:	5workers 1/2 face respirators disposable suits 1 supervisor safety boot glasses, hard hats gloves
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm system - fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	body harness and lanyards for high work
EMERGENCY PROCEDURES:	Post
WASTE PACKAGING/QUANTITY:	2x 6mil poly bags labeled
WASTE ROUTE/PATH:	Roof to manlift to waste traile
TRANSPORTATION METHOD:	Manlift & Hand
WASTE STORAGE:	Waste Trailer
HAULER/LICENSE#:	-
LANDFILL:	-

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
645	AET and contractor on site. The contractor supervisor and one worker are the only personnel present.
700	I set up air sampling equipment for the clearance air samples on the turbine room roof. A worker and I are wearing the proper protective clothing and equipment while on the turbine room roof. Fans are placed on the roof.
740	I start the clearance air samples
815	All clearance air sample have been calibrated and are running. The supervisor and worker clean up a small amount of roofing debris on the North side of the Power House.
900	Workers have double bag the debris and are placing A wood barrier over an opening on the North side of the Power House.
940	In the proper protective equipment,

INDUSTRIAL HYGIENIST Glenn Riegel DATE 9/4/03
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	I calibrate and collect the clearance
	air samples.
1015	All samples collected. Workers just
	about finish with the plywood barrier
	on the North side of the Power house.
1030	AET off the site

INDUSTRIAL HYGIENIST Glenn Brega DATE 9/4/03
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700AM	AET and Contractor on site. The contractor discusses safety shoe awareness at the safety meeting. Today, continuation of the turbine room demolition section of the power house will occur...
700	There is no asbestos supervisor on site. No asbestos work will occur today.
830	The demo supervisor Steve Mancini and I discuss what is needed to begin the roof demolition of coal room section of the power house. I explain to Mancini that 1) a certified asbestos supervisor ... must be on site during all abatement procedures including the demolition of the coal room roof, 2) that a spotter for the crane, during demolition, must be a minimum of 25 feet away from the building in order for that person not to be in protective equipment. and 3) that the certified abatement

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/14/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	worker must be the one to continuely wet down the roof during the demolition and shall be in protective equipment and the spotter can not be in the same man lift as the abatement worker unless he is in protective equipment. Mancini tells me that he is going to get a supervisor here ASAP and that another man lift is being orderdd
930	I confirm Mancini's and my discussion with John Murphy of AET and Robert Ivy of ARCO.
1000	No demolition of the turbine room is underway because the crane is down with mechanical trouble.
1030	Demolition of the turbine bldg occues The contractor is using the ~~pc~~ loader.
1200	No Asbestos work will occue today I am asked by Ivy of ARCO to keep eye on the demotion portion of the

INDUSTRIAL HYGIENIST Glenn Brego DATE 4/14/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	project.
300pm	Workers continve to use the
	bay loader to demolish the turbine room
	section of the power house. One worker
	is cutting the steel for easier dis-
	posal. The worker is located away
	from the demolition of the turbine
	room.
530	Workers stop for the day. The
	crane will now be used to knock
	down the rest of the building.
~~645~~	All workers keep away from the
	area of the crane.
645	Crane operations finish for the
	day.
700	AET and contractor off the
	site

INDUSTRIAL HYGIENIST Glenn Briggs DATE 9/14/03
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
705	AET and Contractor on site. Contractor has conducted his safety meeting. Robert Ivy of ARCO and EPA TAT person on site. Asbestos supervisor is expected to arrive on site at 9 am. Demolition and the removal of the debris from the turbine room is scheduled for today.
730	Trucks arrive and removal of the demolition debris begins.
800	Steve Mancini, the superintendent and discuss what has to be done prior to the demolition of Asbestos roof above the coal room section of the power house.
900	Gary Schenk the asbestos supervisor arrives on site. I log him and the one worker in.
915	Gary Schenk and I discuss the procedures and things that need to be completed prior to the coal room roof demolition.

INDUSTRIAL HYGIENIST Glenn Brigo DATE 9/15/93
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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	They are 1) restore window and door barriess, 2) remove alarm system, 3) place new window barriers over the ~~turbine room~~ West side of the boiler room section.
930	The supervisor using the manlift removes the alarm system from the powerhouse
1020	I start air samples for the prep. work around the perimeter of the powee House.
1100	Workers start repair and place New critical barriers over the window and dooe openings
1200	Workees break for lunch
130	Workes return from lunch and start repairing windew barriers again.
115	Payloader breaks down. Asbestos ~~workers~~ workees start to check the high wall of the boiler ROOm section for loose bricks.

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/15/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
230	The contractor decides to demolish the last part of the turbine room, so debris removal will resume 9/16/93. Asbestos workers start placing barriers over the windows on the west side of the boiler room section.
300	The contractor and I discuss the removal of the power house roof. The contractor's demo expert says that to get the roof panels down ~~the~~ and to make the building safe. he will have to knock down most of the building walls and cut the steel.
400	ARCO and AET's John Murphy are informed of the demolition/Abatement plan. Both agree to the plan. One problem that may occur is that the high steel burner will not have A NYS asbestos permit and Department of Labor will be asked ~~to~~ if the

INDUSTRIAL HYGIENIST Glenn Biego DATE 9/15/93
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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the high steel burner will be allow
	to cut ~~the~~ steel above the asbestos
	at the bottom of the building.
500	Payloader is moving the turbine room
	debris workers are installing
	the last window barrier.
600	Workers to Finish for the day
	I calibrate and collect my air
	air samples and equipment.
615	AET and contractor off the site.

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/15/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: GeoSyntec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Preparation work for the coal room section of the power House roof demolition

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	satisfactory
DECON SYSTEM:	Remote - trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 supervisor 1 worker
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm system - fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Hard Hat, Safety Shoes, lanyards and body Harness
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	N/A
WASTE ROUTE/PATH:	N/A
TRANSPORTATION METHOD:	N/A
WASTE STORAGE:	N/A
HAULER/LICENSE#:	N/A
LANDFILL:	N/A

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET on contractor on site. The Contractor holds safety meeting.
715	I log in the two asbestos workers. Asbestos workers cover the last window opening.
730	I set-up and start perimeter air monitoring. All sample flow rates are calibrated to five liters per minute.
815	Demo crew has start to remove debris from the turbine room section off the site. Asbestos worker have covered all of the window openings. Workers put on protective equipment and use the man-lift to wett down the coal room roof.
900	Woekers are using a garden-type hose with a pesticide sprayer filled with surfactant. Workers will spot the crane from the man lift & while wetting down the roof panals.
930	The crane crew begins knocking in the coal room roof. Asbestos workers

INDUSTRIAL HYGIENIST Glenn Brigo DATE 9/16/23
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	continuously wet down the panals with amended water.
1030	The coal room roof is in the process of being knocked in. No ~~visible~~ visible emissions are seen. The roof panals are dropping with relative ease.
1230	The crane has knocked down the majority of Coal room roof. Asbestos workers come down from the ~~crane~~ man-lift and decontaminate. Other Necessary demo operations now begin.
130	The ~~fay~~-loader uncovers some suspect ACM buried in the former alley way between S-2 and the power House. The supervisor and I investigate the area.
200	Apparently some years ago some ACM (probably from a boiler) was dumped and buried in the alley. The suspect material is saturated and half buried in the

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/16/23
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	ground. Because it is along the wall of the power house and the payloader is down. it will be dig up when the walls are demolished and the area is deemed safe.
30	Workers spray water with the fire hose into the building Demolition of west and north wall of the coal room begins. Wall ~~too~~ are being taken down to the first floor level
400	Water is sprayed into the building again. Demo continues.
430 15	I calibrate and collect the air samples
615	Demo crew stops for the day. Asbestos workers spray ~~at~~ down interior of the building with water from the fire hose. I inspect the beams that were brought down ~~from~~ for asbestos. I
630	Find NO acm on the beams and scrap metal AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/16/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consolants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Demolition of coal room section of Power House (ACM ROOF).

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 super suits 1/2 face respirator hard Hats 1 worker safety glasses and boots
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Alarm/fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	The Contractor and AET on site. The contractor conduct safety meeting, Today No real abatement OF asbestos will occur, The contractor will demo more of the coal room section of the power House
15	Safety meeting ends. Asbestos worker proceed to coal room section and uses the Fire hose to wet down the interior of the building.
730	Workers stop spraying the water and demolition begins
745	I start perimeter air monitoring. All samples are calibrated.
800	Asbestos worker cleans up poly sheeting that was knocked during demolition.
900	I log in the two asbestos workers. Demolition continues.
1100	Demo crew has cut some of the support beams so they can be removed by the crane.

INDUSTRIAL HYGIENIST Glenn Brego DATE 8/17/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
1230	The crane operation stops for a few minutes. I check structural steel taken out of the coal room section for asbestos.
1240	I find NO asbestos on any of the steel or scrap metal.
100	Workers move the crane to the other side of the building.
	Demolition begins again. Demo crew takes down sections of the North and east walls.
200	Robert IVY and I use the manlift to survey the interior of the coal room. More water is needed
330	I calibrate and collect the perimeter air samples. Workers spray more water into the Bldg.
445	All workers stop for the day. Asbestos worker uses fire hose to wet down the inside of the coal room
500	AET ~~and contractor~~ off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/12/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosynteclonsolents LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Demolition of Coal Room section - walls and I-beams - NO real abatement -- wet down of interior debris only.

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote - trailer
DECON SEQUENCE:	CR/AL/
PERSONNEL/PPE:	Hard Hats, Safety boots, glasses
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Fence / Alarm
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body Harness and lanyards for high Work
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Constractor holds safety meeting.
715	Workers will demolish the rest of the coal room today. I log in the two asbestos workers.
720	Worker wet down the interior of the coal room section with the fire hose. I set up air sampling equipment.
730	Robert Ivy on site. Ivy asks about decontamination procedures for material that has fallen into the building ie. brick, concrete, and steel. I tell him that it is normal procedure to decontaminate and encapsulate non-porous material then the material can be considered construction debris and handled as such.
800	I ~~was~~ start perimeter air monitoring. Demo ~~crew~~ starts peeling off the walls of the coal room section of the Power House.

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/20/23
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
830	I call John Murphy of AET and inform him of the projects statis Murphy tells me that the contractor can clean and dispose of as normal construction waste any materials that can be decontaminated. Murphy also says the DEC should be consulted as to what material can be decontaminated.
1000	The demo clam needs to be welded. Demo stops. Asbestos worker use the fire hose to wet down the interior of the building.
345	Demolition resumes.
1130	The demo clam break again. Workers stop demolition and weld the clam.
1200	Demolition continues. Workers keep spraying water on the roof section above the hopper where it is now being demolished. The crane is also taking pieces of the roof out of the hopper

INDUSTRIAL HYGIENIST John Biego DATE 9/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	and placing the piece inside the building
1350	Crane has wire problem. Demolition stops
130	Demolition resumes. Worker sprays water throughout the building.
300	Repairmen ON site to fix A flat tire ON the crane. Demolition stop
345	The flat is fixed Demolition continues.
430	I collect perimeter air samples. All air samples have been pre and post calibrated.
620	All workers stop for the day. The contractor has demolished all of the roof above the coal hopper.
630	AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Bregu DATE 9/20/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and contractor on site I check in the two asbestos workers. The contractor holds safety meeting.
710	Safety meeting ends. Today, the contractor will remove the coal hopper. I set up air sampling equipment.
735	I start perimeter air monitoring The contractor wets down the interior of the coal room.
800	Contractor begin demolition of coal hopper.
930	I check steel that has been brought out of the building. I find no asbestos on any of the steel
1100	Contractor continues to demolish the coal hopper.
1230	Workers break for lunch.
1250	Workers return from lunch. Demolition continues.
200	The contractor supervisor ask if he is

INDUSTRIAL HYGIENIST Glenn Brigo DATE 9/01/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Needed 9/22/93. I tell him that the specs require a certified supervisoe on site during asbestos abatement. and ARCO must approve ony changes
330	Crane is moved around from the east side of the building to the west side of the building
430	ARCO has approved the contractor supervisor to be off site one day if the DoL approves it. I speak with the Department of Labor Administrator Dan Coyle. Coyle approves the supervisor being off the site during the roof demolition, John Murphy is also informed that the supervisoe will not be present on 9/22/93.
500	I calibrate and collect my air samples
600	Workers are finishing up for the day
645	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/21/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and contractor on site, Contractor holds safety meeting.
710	The safety meeting ends. I log in the one asbestos worker. A certified asbestos supervisor will not be present today. Only limited asbestos work will occue. The demolition crew will continue operations in the coal room and later this afternoon start demolition ~~to~~ of the boiler room.
715	Workers wet down interior of the coal room. I set up perimeter air monitoring equipment.
800	I start and calibrate the perimeter air samples. I have trouble operating one of my generators so I run extention cords for the decontamination trailer.
900	All require air samples are running
1030	I check steel and debris for acm

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/22/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	and find none mixed in with the steel or debris.
1230	I check the steel for asbestos while the crane moves to a new location.
	No asbestos debris is found on the steel just removed from the coal room section
200	Demolition begins again.
230	Robert Ivy and Don Wang of ARCO on site to check the project, Demo crew begins cutting beams in the coal room section from above using the man lift
420	A small fire starts on the west side of the boiler room. It is quickly extinguished.
530	I calibrate and collect the perimeter air sample
600	Don Wang ARCO off the site
645	Demolition stops for the day
700	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Drego DATE 9/22/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Demolition of Coal Room

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Decon trailer Remote
DECON SEQUENCE:	DR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 worker — N/A
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	OKay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	lanyard and body harness
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 am	AET and Contractor on the site. Contractor holds safety meeting.
715	The safety meeting ends. Today, the contractor wills continue cutting steel out of the coal room and demotition of the boiler room.
720	I log in the two asbestos workers. Demolition crew begins their work I setup and start perimeter air monitoring.
900	All air samples are running and have been [calibrated.
900	John Emmerling DOL on site. Emmerling checks the project site.
	The supervisor and I explain the decontamination of the brick and construction to him. He agrees that the brick and steel ~~and~~ can be decontaminated encapsulated, and taken out of the coal room as regulated ~~contract~~ construction debris.
1000	Emmerling and I see Robert Ivy of ARCO

INDUSTRIAL HYGIENIST Glenn Bugo DATE 9/23/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET, Contractor, and ARCO on site. The contractor hold safety meeting.
720	Safety meeting concluded I log in the two asbestos workers. Today, the demo crew will work on the boiler room section and cut steel on the coal room section
730	Demolition begins I set up perimeter air monitoring equipment
815	Air samples are running and have been calibrated.
1030	Contractor has moved the crane and now begin demolition of the North wall of the boiler room
1200	Demolition continues. I check the steel and debris for ACM. I find a small 1 foot by 1 foot piece of roofing debris ~~Pile~~ mixed in. I place the piece back into the building.
200	Workers move the crane back to the

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/23/99
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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	east side of the building.
330	I begins rainwning. Work continues.
345	I calibrate and collect the air samples. Demolition continues. The asbestos supervisor uses the fire hose to wash asbestos debris down inside the boiler room. He is on the man-lift ~~and~~ At the top of the boiler room
445	Supervisor finishes washing down the boiler room.
615	Workers finish for the day.
630	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Buega DATE 9/23/03
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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House

SITE ACTIVITY

SCOPE OF WORK: Demolition of Boiler room walls - Some roof - Wash down of suspect asbestos debris inside Boiler. continue demo of coal room

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Decon trailer
DECON SEQUENCE:	CR/AL/SA/AL/ER/AL
PERSONNEL/PPE:	1 Worker 1 Supervisor Hard Hat Safety shoes & Glasses
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Good
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	lanyard and body harness
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 pm	AET and Contractor ON the site. Contractor holds safety meeting.
715	The safety meeting ends. Today, the contractor wills continue cutting steel out of the coal room and demotition of the boiler room.
720	I log in the two asbestos workers. Demolition crew begins their work
	I set up and start perimeter air monitoring.
900	All air samples are running and have been [calibrated.
900	John Emmerling DOL on site. Emmerling checks the project site.
	The supervisor and I explain the decontamination of the brick and construction to him. He agrees that the brick and steel and can be decontaminated encapsulated, and taken out of the coal room as regulated construction debris.
900	Emmerling and I see Robert Ivy of ARCO

INDUSTRIAL HYGIENIST Glenn Buggo DATE 9/23/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	where we discuss the decontamination
	of the brick and steel.
1015	Emmerling DOL off the site. The
	P.E. is on site and he is checking
	the safety of the coal room and
	boiler room.
1230	Using the crane and ball, the
	P.E. check the coal room section
	floor for the weight of a 2½ ton bobcat
100	Load test of the coal room section
	Floor complet
115	P.E. speaks to Ivy of ARCO about
	his findings.
130	Contractor has to clean up a few areas
	demolition continue
230	Demo crew knock out bome of the roof
	It has been adquevitly wetted.
300	I calibrate and collect the air samples.
330	Workers finishing up for the day
400	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Bragg DATE 9/24/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET and Contractor on site. Contractor hold safety meeting.
710	Safety meeting concluded. I log in the three asbestos workers. Today, demolition crew will knock down the remaining roof sections of the boiler room. The asbestos will is ARCO approves it begin to sort and pile the debris in the coal room section. As of today the contractor and ARCO are trying to get a change in the off site removal of the roofing debris. Since the roof material is a non-friable material the contractor wants to remove it off site to the Kleen Fill Inc. land fill as regular non-asbestos regulated demolition debris. It begins to rain.
730	I set up and start perimeter air monitoring. Demolition begins
900	I [redacted] speak to Cheryl Klebaster of

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/27/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the Dept of Environmental Conservation Division of Solid Waste about Category 1 NON friable asbestos containing material. Webster says that Category 1 NON-Friable ACM roofing can be disposed of as regular ~~NON-~~ construction/demolition debris and that the KleenFill Inc landfill can and is ~~permitted~~ to accept that material.
1100	I tell contractor that he must amend this Notification for a new landfill location and removal procedures. before any off site removal can begin
1200	The crane moves to the east side of the boiler room. Robert Ivy on site Ivy and I discuss the Non friable removal procedures and requirements. Ivy calls for the contractor to come up with ~~th~~ a method of operation for dealing with the off site removal of

INDUSTRIAL HYGIENIST DATE
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	the debris in the coal room section. Also Ivy wants the three of us to meet with him later this afternoon to discuss the plan.
noo	The contractor supervisor and walk up the ramp that the demo crew has built, to the edge of the coal room. Most of the roofing material has broken apart and is mixed with the construction debris.
100	I check air sampling equipment; all samples are running
115	Robert Ivy Kimmins and I and and discuss the method of operation for the coal room. The meeting high points are listed on the following pages

INDUSTRIAL HYGIENIST Glenn Biegs DATE 9/27/03
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #:
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Progress / Procedure Meeting 9/27/93 1:15pm
Attended By:	1 Robert Ivy ARCO
	2 Gary Schenk Kimmins
	3 Steve Mancini Kimmins
	4 Glenn Brego AET
Subject	Asbestos Handling / procedure for removal in the Coal Room section.
Item 1	Cat. 1 NON-friable roofing material waste confirmed with DEC, Cheryl Webster that A Kleen ~~Fill~~ can accept the Roofing material
	B No permit necessary for ~~trucks~~ Hauler of waste
	C Kleen Fill (landfill) is permited for C/D waste
Item 2	Engineer's CO for Coal room section ~~has~~ punch list ~~that~~ needs to be checked by ARCO

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/27/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Worker Plan Discussion
Item 3	Payloader can remove debris from edge of ramp / coal room section. "Bobcat" will be located on floor
Item 4	ACM shall remain wet at all times during movement / removal
Item 5	Brick / steel will be seperated out to the best possible reasonable degree that will be accepted by Kleen fill Inc. land fill
Item 6	"Bobcat" will woek on North side of coal room and pile up debris in front of ramp. for the payloader to grab and remove. CRANE demo concurrent.
Item 7	Safety -- discuss methods to avoid pits and weak areas in coal room
Item 8	PAPR's and 2x disposable suits worn.
Item 9	Notification amendment to State DoL C.C. Emmerling DOL (local) before hauling.
Item 10	AET will call Emmerling DOL to discuss woekplan.

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/27/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
200	The method of operation meeting ends
300	Demolition of boiler room roof continues.
330	I call DOL to speak to Emmerling about planned changes. Emmerling is not in.
30	Demolition of boiler room roof continues
545	I collect perimeter air samples. All samples have been pre and post calibrated
615	The boiler room roof has been completely knocked in. Workers finish for the day
630	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/22/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Powerhouse Wellville, NY

SITE ACTIVITY

SCOPE OF WORK: Demolition of boiler room section

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	satisfactory
DECON SYSTEM:	CR/AL/SR/AL/ER/AL
DECON SEQUENCE:	Remote Decontamination Trailer
PERSONNEL/PPE:	2 Handler 1 Supervisor
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Post
HOUSEKEEPING:	OKay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body harness and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	-
WASTE ROUTE/PATH:	-
TRANSPORTATION METHOD:	-
WASTE STORAGE:	-
HAULER/LICENSE#:	-
LANDFILL:	-

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and Contractor on site Contractor holds safety meeting
710	Safety meeting is concluded. I log in the asbestos workers.
730	Demolition crew begins work on the boiler room. Asbestos workers don 2 protective disposable suits and PAPR's in preparation to begin work in the coal room section of the power house.
800	I start perimeter air monitoring. Asbestos workers in the proper protective clothing begin to sort and pile the category 1 NON friable debris in the coal room One asbestos worker will be working in a "bobcat" (small front end loader) ~~piling~~ piling up the category 1 debris.
900	I observe asbestos worker removing large pieces of debris and loading them out of the building A fire hose is being used to wet down the construction

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/08/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: GEOSYNTEC CONSULANNTS AET PROJECT #
OLD SINCLAIR POWER HOUSE WELLSVILE, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	debris.
1040	Roger North on site. North and I check the project site (Demo + Asbestos)
1100	While observing the asbestos workers in the coal room section. North and I see that one worker has remove his PAPR to crawl underneath the bobcat to untangle some debris that has gotten caught in the tires. Worker puts it back on when he was through
1120	North off the site.
1200	Asbestos crew breaks for lunch and decontaminates. I speak to the supervisor about the worker not wearing PAPR. Shenk (supervisor) says that he will speak to the worker.
100	Asbestos crew dons in the proper protective equipment resume sorting and piling the Category I debris in coal room.

INDUSTRIAL HYGIENIST Glenn Brego DATE
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: Grosyntec Consultants AET PROJECT #
Old Sinclair Power Plant Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
230	Asbestos workers' bobcat breaks Work continues by manual methods
300	Bobcat front end loader back in operation. Work continues.
400	I collect and calibrate the perimeter air samples
500	Asbestos crew decontaminates and are finished for the day
615	Demo crew stop For the day. Robert Ivy on Site. Ivy has concerns about the amount of material being removed as catergory 1 non-friable. He tells me Not to let the contracton haul away non-friable ACM until he approves it.
630	AET and contractor OFF the site

INDUSTRIAL HYGIENIST Glenn Brego DATE
TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Demolition of Boiler Room / Sort and Pile in the coal room (Now friable category 1)

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Decontamination Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	2 Worker / Hard Hat Safety Boot, glasses 1 supervisor / disposable suits PADR's.
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	-
WASTE ROUTE/PATH:	-
TRANSPORTATION METHOD:	-
WASTE STORAGE:	-
HAULER/LICENSE#:	-
LANDFILL:	-

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PRE-COMMENCEMENT INSPECTION CHECKLIST

PROJECT NO. GeoSyNtec ConsulaNts LOCATION Old Sinclair Power House

	YES	NO	N/A	
1.	(✓)	( )	( )	OSHA Regulations 1910.1001 posted?
2.	(✓)	( )	( )	Construction permit signed & posted?
3.	(✓)	( )	( )	NYS ~~DEC~~ variance permit posted (i.e. for partial occupancy?
4.	( )	( )	(✓)	Contractor's placard with license number displayed?
5.	(✓)	( )	( )	Contractor's license (~~with Cold Seal~~) posted?
				EMERGENCY PHONE NUMBERS
6.	(✓)	( )	( )	A. Police
7.	(✓)	( )	( )	B. Fire
8.	(✓)	( )	( )	C. Emergency Squad
9.	(✓)	( )	( )	D. Local Hospital
10.	(✓)	( )	( )	E. NYS ~~New Jersey~~ Department of Labor
11.	(✓)	( )	( )	F. ~~New Jersey~~ Department of Health
12.	( )	( )	(✓)	G. NYS ~~New Jersey Department of Community Affairs~~
13.	(✓)	( )	( )	H. Accredited Environmental Technologies, Inc.
14.	(✓)	( )	( )	I. Contractor's office and/or Supervisor
15.	(✓)	( )	( )	J. Contractor's Monitoring Firm
16.	(✓)	( )	( )	Evacuation plan posted?
17.	( )	( )	(✓)	HVAC systems shut down?
18.	(✓)	( )	( )	Waste removal route as per design?
19.	( )	( )	(✓)	Bag Chamber acceptable?
20.	(✓)	( )	( )	Decontamination facility acceptable?
21.	(✓)	( )	( )	Hot and cold water in shower?
22.	(✓)	( )	( )	5 um wastewater filter in place and operational?
23.	( )	( )	(✓)	Interior plastic preparation acceptable?
24.	( )	( )	(✓)	Double layer on all floors?
25.	( )	( )	(✓)	Critical barrier construction acceptable?
26.	(✓)	( )	( )	OSHA warnings signs at all points of access?
27.	( )	(✓)	( )	Fully lockable waste storage container on site?
28.	(✓)	( )	( )	All asbestos worker carry NYDOL permits?
29.	( )	( )	(✓)	Name/number of waste hauler and landfill provided?
30.	( )	( )	(✓)	Adequate negative pressure (4 changes/hour)?
31.	( )	( )	(✓)	Adequate lighting?
32.	(✓)	( )	( )	Ground fault circuit interrupters to power supply?

NOTICE TO PROCEED

I have inspected the job site and found it to be acceptable to begin asbestos abatement. All work has been performed in acceptable manner and meets the requirements of NYS ~~IR~~ 56 and any variations applicable.

Glenn Brego 9/20/93

Asbestos Safety Technician

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants/Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700 pm	AET and Contractor on site. Contractor holds safety meeting.
710	Safety meeting concluded. I log in asbestos workers. Robert Ivy on site
715	Robert Ivy ARCO, Gary Schenk, TK, Steve Mancini TK, and I discuss the Sorting of the brick from the Category 1 Non friable Roof material. ARCO states that most of the brick shall be removed and wash down and then placed outside the building. The contractor agrees to this procedure.
730	Waste hauling trucks arrive.
800	I start perimeter air monitoring; all sample flow rates are calibrated.
815	Asbestos crew starts sorting out the brick. Construction waste is being hauled off the site.
900	All air samples running.
1000	One man from the asbestos crew goes up

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/29/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consulant / Old Sinclair Power Plant X Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	on the man lift to wash down debris caught up on the catwalks and second floor of the Boiler Room. A Worker is using a Fire hose. to wash down the debris
1100	I check Asbestos crew progress. Workers are hand removing the clean brick from the debris piles.
1150	Asbestos crew break for lunch and decon-taminates.
1250	Workers return From lunch don protective clothing and equipment. AET has given Kimmins their OSHA results. The 8 hour TWA is 0.005 f/cc. ARCO is informed of the TWA results and Robert Ivy give his approval for Kimmins to wear 1/2 face Negative air pressure respirators.
130	I check workers progress. Workers continue to sort out the bricks.
200	Demolition continues on the south side

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/29/03

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec/ Old Sinclair Plant Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	of the boiler room.
300	Workers having trouble with the bobcat again. Hand sorting of brick continues.
430	A new front end loader arrives.
440	Asbestos workers finishing up for the day. I calibrate and collect the air samples.
500	Asbestos workers decontaminate and finish work for the day. Demolition and movement of the crane continues.
615	Demolition crew finishes for the day.
630	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/29/20

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Grosyntec Consulant LOCATION: Old Sinclair Power Plant Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - sort and Pile Non Friables
Boiler room - Demolition

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	2 workers/disposable suits/PAPR's/Hard Hats 1 supervisor/Safety boots and glasses 1/2 Face respirator After lunch
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	OKay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	Body Harness and Langards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants/Old Sinclair Power Plant Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700 am	AET and Contractor on site. Contractor holds safety meeting.
710	The safety meeting ends. I log in the three asbestos workers. Today, the demolition crew will continue to work on the boiler room, and the asbestos crew will remove, off site, the non-friable category 1 roof material.
715	Workers don disposable suits, respirators and other protective equipment.
730	I start perimeter air monitoring. All sample flow rates are calibrated.
740	Waste hauler arrives. La Forge is the waste hauler and is ~~begin~~ bringing the Category 1 material to Ween-Fill Inc land-Fill located in Wellsville NY.
800	Roger North on site
815	Roger North and I observe 1 worker with his ½ face respiratory off. I speak to Schenk the supervisor. The worker puts

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/20/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants/Old Sinclair Power Plant, Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	back on his respirator.
900	I speak to Steve Mancini - superintendent
	from Kimmins. Mancini tells me that
	he will remove any worker not wearing
	a respirator when they are working with
	asbestos from the job. Asbestos workers
	are warned both by Schenk and Mancini
1030	I check the asbestos worker sorting
	out and washing the bricks. The 40 ton
	payloader is being filled up with the
	category 1 material by the bobcat and
	then the pay loader is transfering it to
	the waste container. Demolition work
	on the south end of the boiler room begins
1230	ARCO's Robert Ivy stop the off site
	removal of the category 1 waste because
	too much brick is in the [illegible]
	The fourth container go out ½ full
1245	Workers decontaminate and break for
	lunch.

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/30/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec / Old Sinclair Power Plant Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
145	Workers don disposable suits ½ face respirators and other protective equipment.
200	Workers resume sorting out the brick from the debris inside the coal room.
230	Crane operations begin at the coal room The crane is taking small bucket loads of brick from the coal room
430	Asbestos workers finish for the day and decontaminate.
500	Demolition continues. Crane is moved
600	Workers finish for the day. DET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 9/30/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consulant

LOCATION: Old Sinclair Power Plant Wellsville NY

SITE ACTIVITY

SCOPE OF WORK:

WORK AREA INSPECTION: SPECIFICS

RETURN AIR/SUPPLY AIR: N/A

I .DE BARRIERS: N/A

AFD: N/A

WORK PRACTICES: Satisfactory

DECON SYSTEM: CR/AL/SR/AL/ER/AL

DECON SEQUENCE: Remote trailer

PERSONNEL/PPE: WORKER 1 Supervisor

NEGATIVE PRESSURE: N/A

WARNING SIGNS: Posted

.. USEKEEPING: Okay

SITE SECURITY: fence

OCCUPANTS ADJ. AREAS: None

SAFETY CONSIDERATIONS: Lanyard body harness

EMERGENCY PROCEDURES: Posted

WASTE PACKAGING/QUANTITY: 3 1/2 truck (56 yards³) Category I Non-friable

WASTE ROUTE/PATH: Coal room to Pay loader to waste 1

TRANSPORTATION METHOD: Waste Trailer

WASTE STORAGE: NONE

HAULER/LICENSE#: Lo Forge

LANDFILL: Kleen-Fill

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants Old Sinclair Power Plant. Wellsville, NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Contractor holds safety meeting.
710	Safety meeting ends. I log in the three asbestos workers. Today, the asbestos crew will sort-out and wash bricks from the non friable roofing material in the roof room. The demo crew will work on the boiler room.
720	Asbestos workers don 2 disposable suits 1/2 face respirators and other protective equipment.
745	Asbestos crew begins sorting and piling operations. Demo crew begins work I start perimeter air monitoring. All samples are calibrated.
930	Asbestos worker washes down inside of boiler room with fire hose
1000	I check steel beams remove from the boiler room and find some ACM spotted on the beam.

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/4/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power Plant Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
1330	Worker finishes wash down and goes over to the scrap metal pile to clean the beams.
1100	Demolition continues.
1145	Asbestos workers break for lunch and decontaminate.
100	Asbestos workers back on site. They don protective clothing and respirators and resume sorting procedures in the coal room. (Glenn Brego) I speak to Cheryl Webster DEC to confirm the NONFriable needs NO manifest she confirms that category I wastes needs NO waste manifest
200	Asbestos crew stop because of demolition work.
230	Asbestos workers decontaminate and straighten up the decon trailer.
330	Asbestos crew finishes for the day and leaves the site. Demolition continues
415	I calibrate and collect the perimeter air samples.
	Demo crew finishes for the day.
	AET and contractor off the site.

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/4/13

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consulants LOCATION: Old Sinclair Power Plant Wellsville NJ

SITE ACTIVITY

SCOPE OF WORK: Coal Room - sort and pile of non friable Acm. Boiler Room - demolition

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
I..IDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	2 Workers 1/2 face respirator disposable suits 1 supervisor hard hat safety boots & gloves
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness ~~lanyards~~
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants AET PROJECT # _____
Old Sinclair Power Plant Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Contractor has safety meeting.
710	Safety meeting ends, I log in the three asbestos workers. Today, the asbestos workers will remove the non-friable ACM waste off the site. The non-friable ACM waste will be hauled by LaForge to Kleen Fill Inc. landfill in Wellsville NY
730	Asbestos crew dons disposable suits, ½ face respirators boots gloves glasses and hard hats.
740	I start perimeter air monitoring
815	Waste hauler truck arrives. Robert Guy on site to inspect non-friable waste loads being removed.
920	Truck loaded on leaves the site Demolition begins
1020	Truck for waste back on site I watch non friable ACM waste being

INDUSTRIAL HYGIENIST Glenn Riego DATE 10/5/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultant AET PROJECT # _____
Old Dunkirk Power Plant Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Loaded into the ~~Truck~~ Truck by the Kematsu.
1100	Robert Ivey on site and checks load.
1115	Workers finish removal of the ACM waste. 28 cubic yards of ACM waste went out today. Asbestos workers begin cleaning the floor of the coal B room.
1200	Asbestos worker decontaminate and break for lunch
100	workers back on site. and don protective equipment. Demolition continues
200	Asbestos & workers clean the coal room floor. 1/4 of the floor in the safety zone is still covered with debris. which will remain until the engineer signs off again.
300	Asbestos workers finish work and decontaminate
330	Asbestos workers leave for the day.

INDUSTRIAL HYGIENIST Glen Briggs DATE 10/5/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
420	A calibrate and collect the perimeter air samples.
430	Demolition continues.
700pm	AET and Contractor finish for the day and leave the site

INDUSTRIAL HYGIENIST Glenn Bugo DATE 10/5/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosynthec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Boiler Room - demolition. Coal room removal of non-friable roofing waste OFF Site

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	2 workers. disposable suits, ½ face respirator 1 supervisor boots glasses hard hats gloves
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	OKay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	20 cubic yards. (Open container)
WASTE ROUTE/PATH:	Coal Room to loader to container
TRANSPORTATION METHOD:	Open top container trucks
WASTE STORAGE:	None
HAULER/LICENSE#:	N/A La Forge
LANDFILL:	Klean fill Inc, Wellsville

Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: GeoSyntec Consultants LOCATION: Old Sinclair Power Plant Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - Clean up 2nd and air Sampling for Clearance
Boiler Room demolition

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 worker / 1 supervisor — disposable suits, ½ face respirators, boots glasses hard hats gloves
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	OKay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness and lanyards
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	-
WASTE ROUTE/PATH:	-
TRANSPORTATION METHOD:	-
WASTE STORAGE:	-
HAULER/LICENSE#:	-
LANDFILL:	-

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants Old Sinclair Power Plant Wellsville, NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET on site. Contractor has safety meeting
710	Safety meeting ends I log in the two asbestos workers. Today, workers will reclean the ~~fl~~ coal room floor. Demo crew will continue work ~~on~~ the boiler room section.
715	Asbestos workers wash down a couple of steel beams taken out of the boiler because there some small spots of suspect material on them
740	~~beams~~ I start perimeter air monitoring. All samples are calibrated.
800	Workers don disposable suit the respirators safety boots and glasses, hard hats and gloves in preparation to reclean the coal room floor. Demo starts.
~~900~~	Asbestos crew begin cleaning off the floor of the coal room
1030	Asbestos crew stops for a demolition operation.

INDUSTRIAL HYGIENIST Kenny Brego DATE 10/6/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consolants / Old Sinclair Power House Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
1045	Workers resume cleaning the coal Room floor and walls.
1200	Workers finish cleaning and decontaminate I inspect the area. 25% of the coal room is still covered with category 1 non friable ACM roofing debris. The rest of the floor is clean.
100	I start clearance ~~dirs~~ air monitoring so non abatement workers can go up on the floor to perform demo work.
130	Asbestos worker police the area around the coal room section looking for any roofing material that might have fallen out of the coal room.
300	I calibrate and collect the air samples and start 2 more samples Demolition continues
500	I calibrate and collect the clearance

INDUSTRIAL HYGIENIST Glenn Bregar DATE 10/6/03

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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(215) 891-0114
FAX (215) 891-0558

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultant / Old Sinclair Power Plant AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
530	Demolition stops for the day. Robert Ivy on site to discuss removal procedures in the boiler room.
545	The contractor, Robert Ivy and myself. discuss the decontamination of the material in the boiler room. I advise Ivy that the material coming out of the boiler room can be decontaminated but each piece has to be washed and encapsulated
600	Discussion will continue tomorrow. ~~meeting~~ morning. AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Brege DATE 10/6/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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(215) 891-0114
FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville, NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. The contractor holds safety meeting.
710	Safety meeting ends I log in the one asbestos supervisor. Today, the contractor will finish the planned demolition of the boiler room so the PE can deem the building safe to work
715	Robert Ivy ARCO's construction manager on site Mr Ivy and I have a heated argument over whether or not the suspect ACM debris is friable or not During this argument over friability Mr Ivy repeated poked me in the chest. After the third poke in the chest, I told mr Ivy not to touch me or put his hands on me, Mr. Ivy refrains from poking or touching me again. The argument was observed by other workers on the project site.

INDUSTRIAL HYGIENIST Glenn Briggs DATE 10/7/93

TIME IN BREAK TIME TIME OUT BILLABLE TIME

Accredited Environmental Technologies

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114
FAX (215) 891-0559

CONSTRUCTION LOG

CLIENT/LOCATION: ~~GROSSMAN~~ Consultants / Old Sinclair Power House Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
735	Mr Ivy leaves the site. As per
	Mr Ivy request I will sample some
	of the friable debris for asbestos
	content. I will collect five bulk
	samples of debris in the boiler
	room.
800	I set up perimeter air samples
820	All air samples are running and have
	been calibrated
900	Mr Ivy, ARCO, on site The contractor
	Ivy and I look at the debris inside
	the boiler room to determine IF
	the brick and other debris in the
	boiler room can be decontaminated.
	I advise Mr Ivy that the brick
	can be decontaminate however each
	brick would have to be individually
	washed and encapsulated.
920	Mr Ivy off site. No determination
	of decontamination of material has been

INDUSTRIAL HYGIENIST Glenn Buzo DATE 10/7/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House AET PROJECT #_____

TIME	OBSERVATIONS AND PROGRESS STATUS
	made. Ivy would like to wash down the piles of debris with a fire hose and remove the piles as clean material. I have advised Ivy that this would not be the proper decontamination procedures.
1030	Dan Hoffner and Frank Garrett of Kimmins ON site.
1100	I meet with Mr Ivy and we discuss the procedures neccessary to remove the acm from the Boiler room. Ivy tells me that only the steel and large piece of concrete will be removed and decontaminated. Also Negative air unit will be use as large vacuums to control visible emission. I make the suggest to place the AFD's where the acm debris will be scooped up OR transfered We also discuss the

INDUSTRIAL HYGIENIST Glenn Burgo DATE 10/7/93

TIME IN_____ BREAK TIME_____ TIME OUT_____ BILLABLE TIME_____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants/OU AET PROJECT #_____
Sinclair Power House Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	containment of excess water in the boiler room. I explain to mr Ivy that the water will be mixed into the debris
1130	ARCO, Kimmins, EPA TAT and I meet to discuss the removal procedures in the boiler room. The procedures that mr Ivy and I discussed earlier is agreed to by Dan Hoffner of Kimmins Also, Hoffner suggests and it is agreed to that he will build a small brick platform where the pay loader will enter and exit the boiler room at. The brick platform will be considered contaminated and disposed as such at the end of the project.
1215	Asbestos portion of the meeting ends
100	Demolition continues. The crew is working on the high steel on top of

INDUSTRIAL HYGIENIST Glenn Brega DATE 10/7/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consolents /old AET PROJECT #_____
Sinclair Power House Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	boiler room
300	I collect some bulk samples in the boiler room.
330	I check and sample the cement lining in the boiler room coal hopper. There is no other material inside the coal hopper besides the cement lining.
500	I calibrate + collect the perimeter air samples
545	The contractor stops work for the day
600	AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Briggs DATE 10/7/93
TIME IN_____ BREAK TIME _____ TIME OUT_____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power Plant Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - No work
Boiler Room - demolition

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 supervisor disposable suit boots gloves respirator hard hat.
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	posted
HOUSEKEEPING:	OKay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body harness and lanyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Contractor holds safety meeting.
710	Safety meeting ends. I log in the four asbestos workers.
715	I start perimeter air monitoring All air samples are calibrated Asbestos workers don disposable suits, ½ face respirators, boots, glasses hard hats and gloves in preparation to resume sorting out brick and NON friable roofing material in the coal Room
735	Workers begin sorting brick in the coal room Workers are wearing the proper protective gear.
830	I check workers progress in the coal room. Workers are scooping up the remaining brick • NON-friable roofing material mixture and spreading it out. The bricks are removed and the rest of the debris is places in another pile

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/8/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY   AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	for proper disposal.
1000	John Emmerling DOL on site. Emmerling
	checks project site, personnel and
	paperwork. All is in order.
1030	Emmerling and I discuss the need
	to preform three cleanings as our
	work plan calls for. I ask for
	his approval to clean the boiler
	room until it passes a visual
	inspection, wait at least 12 hours
	and until ~~its~~ is dry and then
	collect the required air samples.
1100	After checking the work plan,
	variance ICR56 Emmerling DOL
	grants my request.
1110	Upon ~~the~~ leaving the trailer, Emmerling
	and I observe the crane clamming
	some material off the 4th level
	of the boiler. Emmerling askes
	if there is roofing material

INDUSTRIAL HYGIENIST Glenn Bregg   DATE 10/8/93
TIME IN   BREAK TIME   TIME OUT   BILLABLE TIME

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CORPORATE OFFICE:
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(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	located where the crane is clamming. I tell Emmerling that is probably is some roofing material up there Emmerling says that there is not enough water on the material and a hose should be up there wetting down the material
1120	Supervisor Gary Schenk is told to get a hose up there and wet down the ~~roof~~ 4th level, Crane operations stop.
1140	Workers start to wet down the 4th level.
1215	Emmerling DoL off site. Asbestos workers decontaminate and break for lunch.
115	Workers back on site Workers don the proper protective equipment and resume work in the coal room.

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/8/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT # _____
Old Sinclair Power House Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Crane continues to remove debris from the 4th level of the boiler room.
210	John Emerling DOL on site. Emmerling issues a Notice of Violation to the asbestos supervisor Gary Schenk for not wetting the material be scooped off the 4th level.
220	John Emmerling off the site
240	I conform Robert Ivy ARCO of the violation and what it means.
330	Asbestos workers decontaminate and leave the site
1120	I collect and calibrate the perimeter air samples. The crane is removing the last bit of debris from the edge of the 4th level of the Boiler room.
SOC	AET and Contractor of the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/8/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sunbeam Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal room - sort of non friable roofing material. Boiler roof demo

WORK AREA INSPECTION: SPECIFICS

RETURN AIR/SUPPLY AIR: N/A

INSIDE BARRIERS: N/A

AFD: N/A

WORK PRACTICES: Satisfactor

DECON SYSTEM: Remote Trailer

DECON SEQUENCE: CR/AL/ER/AL/ER/AL

PERSONNEL/PPE: 3 workers disposable suit 1/2 face gloves 1 super boots glasses hard hats

NEGATIVE PRESSURE: NA

WARNING SIGNS: Posted

HOUSEKEEPING: Okay

SITE SECURITY: fence

OCCUPANTS ADJ. AREAS: Now

SAFETY CONSIDERATIONS: Body harness & lanyard

EMERGENCY PROCEDURES: Posted

WASTE PACKAGING/QUANTITY: —

WASTE ROUTE/PATH: —

TRANSPORTATION METHOD: —

WASTE STORAGE: —

HAULER/LICENSE#: —

LANDFILL: —

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on site. Contractor holds safety meeting.
710	Safety meeting ends. I log in the four asbestos workers.
715	I start perimeter air monitoring All air samples are calibrated Asbestos workers don disposable suits, ½ face respirators, boots, glasses hard hats and gloves in preparation to resume sorting out brick and NON friable roofing material in the coal Room
735	Workers begin sorting brick in the coal room Workers are wearing the proper protective gear.
830	I check workers progress in the coal room. Workers are scooping up the remaining brick • NON-friable roofing material mixture and spreading it out. The bricks are removed and the rest of the debris is places in another pile

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/8/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	for proper disposal.
1000	John Emmerling DOL on site. Emmerling checks project site, personnel, and paperwork. All is in order!
1030	Emmerling and I discuss the need to preform three cleanings as our work plan calls for. I ask for his approval to clean the boiler room until it passes a visual inspection, wait at least 12 hours and until ~~it~~ is dry and then collect the required air samples.
1100	After checking the work plan, variance ICR56 & Emmerling DOL grants my request.
1110	Upon ~~the~~ leaving the trailer, Emmerling and I observe the crane clamming some material off the 4th level of the boiler. Emmerling ask~~s~~ if there is roofing material

INDUSTRIAL HYGIENIST Glenn Bregg DATE 10/5/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	located where the crane is clamming. I tell Emmerling that is probably is some roofing material up there Emmerling says that there is not enough water on the material and a hose should be up there wetting down the material
1120	Supervisor Harry Schenk is told to get a hose up there (4th level) and wet down the ~~roof~~, Crane operation stop.
1140	Workers start to wet down the 4th level.
1215	Emmerling OoL OFF site. Asbestos workers decontaminate and break for lunch.
115	Workers back on site Workers don the proper protective equipment and resume work in the coal room

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/5/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants AET PROJECT #
Old Sinclair Power House Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Crane continues to remove debris from the 4th level of the boiler room.
210	John Emerling DOL on site. Emmerling issues a Notice of Violation to the asbestos supervisor Gary Schenk for not wetting the material be scooped off the 4th level.
220	John Emmerling off the site
240	I conform Robert Ivy ARCO of the violation and what it means.
330	Asbestos workers decontaminate and leave the site
1120	I collect and calibrate the personal air samples. The crane is removing the last out of debris from the edge of the 4th level of the Boiler room.
500	AET and Contractor of the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/8/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sunbeam Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - sort of non friable roofing material. Boiler roof demo

WORK AREA INSPECTION: SPECIFICS

RETURN AIR/SUPPLY AIR: N/A

INSIDE BARRIERS: N/A

FD: N/A

WORK PRACTICES: Satisfactor

DECON SYSTEM: Remote Trailer

DECON SEQUENCE: CR/AL/ER/AL/ER/AL

PERSONNEL/PPE: 3 workers disposable suit 1/2 face gloves 1 super boots glasses hard hats

NEGATIVE PRESSURE: NA

WARNING SIGNS: Posted

HOUSEKEEPING: Okay

SITE SECURITY: fence

OCCUPANTS ADJ. AREAS: Non

SAFETY CONSIDERATIONS: Body harness & lanyard

EMERGENCY PROCEDURES: Posted

WASTE PACKAGING/QUANTITY: -

WASTE ROUTE/PATH: -

TRANSPORTATION METHOD: -

WASTE STORAGE: -

HAULER/LICENSE#: -

LANDFILL: -

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL BUREAU

NOTICE ISSUED TO:
Kimmins Abatement Corporation
256 Third ST
Niagara Falls N.Y. 14303-8020

DATE OF INSPECTION: 10/8/93

DATE OF ISSUANCE: 10/8/93

PROJECT SITE:
Old Sinclair Refinery
Wellsville N.Y
Allegany,
AN0693-0165

NOTICE GIVEN/MAILED TO:
☒ CONTRACTOR ☐ OWNER ☐ TENANT ☐ OTHER _____

NOTICE OF VIOLATION

You are hereby ordered to comply with the following requirements of the Labor Law or Industrial Code Rule, related laws and the rules and regulations promulgated thereunder at the premises described above These requirements must be complied with IMMEDIATELY unless otherwise specified herein

PAGE 1 OF 1

ITEM NO	ORDERS
	12NYCRR-56-12-1b Wetting requirements
	The contractor was scooping up asbestos containing material (due to demolition of acm roof) with a truck crane from the 4TH level of powerhouse AND dropping it approximately 30 feet to the ground. The contractor was not wetting the material which resulted in dust in the air.
	The contractor did not satisfy work plan proposal # 4-5 (dust control) which was granted with Variance 769-93
	Order complied

Requirements explained to: Gary Shenk

Title: Supervisor

John Emmerling
INSPECTOR/HYGIENIST
FOR THE COMMISSIONER OF LABOR

DOSH-477 (5-92) **SEE REVERSE FOR ADDITIONAL INFORMATION AND FOR THE ADDRESSES OF THE BUREAU**

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and contractor on site. The contractor has safety meeting
710	Safety meeting ends. I log in the 4 asbestos workers.
720	I start perimetric air monitoring The workers don disposable suits, 1/2 face respirators, boots, gloves, glasses and hard hats and begin work in the coal room sorting brick.
745	Crane begins taking large pieces of cement out of the boiler room The pieces are cleaned and rinsed with the fire hose.
830	I inspect the pieces coming out of the boiler room. There is some ACM debris (suspect) on the cement. I have an asbestos worker clean it up.
930	PE on site to inspect the boiler Room for soundness.
1100	I check workers in the coal room

INDUSTRIAL HYGIENIST Glenn Gregg DATE 10/19/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power Plant Wellsville NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	Workers are using the proper methods of sorting materials
1130	PE give superintent punch list of things to correct. Worker begin to correct punch list
100	I calibrate and collect the perimeter air samples
115	Workers stop for the day and decontamination.
130	AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Bugo DATE 10/9/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Willsville AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and contractor ON site. The contractor has safety meeting
710	Safety meeting ends. I log IN the 4 asbestos workers.
720	I start perimeter air monitoring The workers don disposable suits, ½ face respirators, boots, gloves, glasses and hard hats and begin work in the coal room sorting brick.
745	Crane begins taking large pieces of cement out OF the boiler room The pieces are cleaned and rinsed with the Fire hose.
830	I inspect the pieces coming out of the boiler room. There is some ACM debris (Suspect) on the cement. I have an asbestos worker clean it up.
930	PE on site to & inspect the boiler Room for soundness.
1100	I check workers IN the coal room

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/29/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power Plant Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	Workers are using the proper methods of sorting materials
1130	PE give superintent punch list of things to correct. Worker begin to correct punch list
100	I calibrate and collect the perimeter air samples
115	Workers stop for the day and decontamination.
130	AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Briggs DATE 10/9/03

TIME IN BREAK TIME TIME OUT BILLABLE TIME

Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: Geosyntec consulants LOCATION: Old Sinclair Power House Wellsville, NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - Sorting of NON friable roofing material and brick - Boilers some demo PE inspection

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
SIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote trailer
DECON SEQUENCE:	ER/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 supervisor & worker | disposable suit 1/2 face gloves boots glasses hard hats
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
OUSEKEEPING:	Okay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body harness and lanyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	-
WASTE ROUTE/PATH:	-
TRANSPORTATION METHOD:	-
WASTE STORAGE:	-
HAULER/LICENSE#:	-
LANDFILL:	-

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DAILY SITE LOG

PROJECT NO.: Geosyntec consulants LOCATION: Old Sinclair Power House Wellsville, NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - Sorting of non friable roofing material and brick - Boilers some demo PE inspection

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote trailer
DECON SEQUENCE:	ER/AL/SR/AL/ER/AL
PERSONNEL/PPE:	1 supervisor & worker | disposable suit 1/2 face gloves boots glasses hard hats
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body harness and lanyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	-
WASTE ROUTE/PATH:	-
TRANSPORTATION METHOD:	-
WASTE STORAGE:	-
HAULER/LICENSE#:	-
LANDFILL:	-

CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consulants / Old Sinclair Power House / Wellsville NY

AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Kimmins on site. Contractor has safety meeting.
710	Safety meeting ends I log in the five asbestos workers. Today, the asbestos workers will sort out non friable Asbestos roofing material in the coal room, and pile up debris in preparation for it to be loaded-out in the boiler. Demolition will occur in both areas at times today.
730	I start perimeter air monitoring. Workers don disposable suits, respirators boots, gloves, glasses and hard hats.
745	Workers start sorting operations in the coal room.
800	I check new asbestos worker in. New worker Jones has valid NYS permit, however does not have the proper physical exam form from ARCO filled out. I will only allow worker to do non-abatement work.

INDUSTRIAL HYGIENIST Glenn Bugo DATE 10/11/93

TIME IN ______ BREAK TIME ______ TIME OUT ______ BILLABLE TIME ______

Accredited Environmental Technologies

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: Geosynlec Consultants AET PROJECT #
Old Sinclair Powerhouse Wellsville, NY

TIME	OBSERVATIONS AND PROGRESS STATUS
930	Crane Removes steel out of Boiler room. ~~I~~ inspect the steel and find traces of suspect material. I have the contractor clean the steel.
1030	Crane operations continues. More steel is taken out and decontaminated.
1140	Asbestos workers decontaminat and break for lunch
1230	Crane moves to ~~the~~ ~~NE~~ North side of the coal room to remove the ~~steel~~ Steel super-structure
1945	Workers suit up again and resume ~~[illegible]~~ piling and clearing in the coal room while the crane is not in use.
200	Workers place ADF's (2) inside the boiler room
300	I get approval from ~~the~~ ARCO to allow Jones to work because all of the proper forms are in.
315	Workers push the pile of ACM mixed

INDUSTRIAL HYGIENIST Glenn Biggs DATE 10/11/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville, NY AET PROJECT # _____

TIME	OBSERVATIONS AND PROGRESS STATUS
	debris inward to clear a path ~~from~~ for the 40-ton payloader.
430	Asbestos workers decontaminate and finish for the day. Demolition continues on the North end of the coal room
530	workers stop for the day and clean up site
600	AET and Contractor off the site

INDUSTRIAL HYGIENIST Kevin Bragg DATE 10/11/93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - sorting out of Non-friable roofing material - Boiler Room Piling of debris Demo Operations in each area at times

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	N/A
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote - Trailer
DECON SEQUENCE:	ER/AL/SR/AL/ER/AL
PERSONNEL/PPE:	4 workers / 1 super
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Satisfactory
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	body harness and lonyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	—
WASTE ROUTE/PATH:	—
TRANSPORTATION METHOD:	—
WASTE STORAGE:	—
HAULER/LICENSE#:	—
LANDFILL:	—

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT #

ME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET and Contractor on site. Contractor has safety meeting.
710	Safety meeting ends I log in asbestos workers Today, Workers will load off site the non friable roofing debris remaining in the coal room. Also working ~~begin~~ resume piling of mixed debris and preform the glovebag removal of the pipe insulation in the boiler Demolition operation will continue at times in the coal room.
730	I ~~start~~ perimeter air monitoring. All air samples are calibrated.
800	Workers don PAPR's disposable suits and other protection in preparation to begin glove bag removal and other activities in the boiler room.
830	Workers begin clearing off the third and second levels in the boiler room by manual methods.
900	Worker start loading out the non friable

DUSTRIAL HYGIENIST Glenn Bugo DATE 10/13/93
ME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT #_____

ME	OBSERVATIONS AND PROGRESS STATUS
	waste from the coal room.
1000	All NON-friable roof waste is loaded on
	Truck leave the site. Regular demolition
	debris will be removed from the site
	continually all day.
1100	Because of crawler operations in the boiler room
	asbestos crew decontaminates. workers
	will create 2x poly linings for dump
	trucks in the mean-time
1200	Workers break for lunch
100	Workers back on site. Workers resume
	making poly linings for dump truck
200	I check steel coming out of the
	coal room and find no suspect material
	on it.
430	Asbestos workers finish for the day
	Demolition of the coal room continues I
	calibrate and collect the perimeter air
	samples
600	Workers finish for the day
630	AET and contractor off the site.

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/12/93

TIME IN_____ BREAK TIME_____ TIME OUT_____ BILLABLE TIME_____

Accredited Environmental Technologies, inc.

DAILY SITE LOG

PROJECT NO.: Geosyntec Consultants LOCATION: Old Sinclair Power House Wellsville, NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room - Non Friable material being removed off site & Demolition Boiler Room mixed debris being piled up for removal OFF site

WORK AREA INSPECTION: ~~Stockpiling removal of~~ SPECIFICS

RETURN AIR/SUPPLY AIR: N/A

INSIDE BARRIERS: N/A

AFD: 2 inside boilers for emission control

WORK PRACTICES: Satisfactory

DECON SYSTEM: Remote trailer

DECON SEQUENCE: CR/AL/SR/AL/ER

PERSONNEL/PPE: ~~4~~ workers / disposable suits/ PAPRS / 1/2 face, 1 Supervisor / boots, gloves, glasses, hard hats

NEGATIVE PRESSURE: N/A

WARNING SIGNS: Posted

HOUSEKEEPING: Satisfactory

SITE SECURITY: Fence

OCCUPANTS ADJ. AREAS: None

SAFETY CONSIDERATIONS: Body harness + lanyard

EMERGENCY PROCEDURES: Posted

WASTE PACKAGING/QUANTITY: Non-friable

WASTE ROUTE/PATH: Coal room to Payloader to waste container

TRANSPORTATION METHOD: Container truck - open top

WASTE STORAGE: N/A

HAULER/LICENSE#: N/A - Non friable C/O waste

LANDFILL: Kleen Fill Inc.

10/12/93

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants / Old Sinclair AET PROJECT # _____
Power House Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET and Contractor on site Contractor holds short safety meeting.
705	Safety meeting ends. I log in the asbestos workers. Today, workers will remove off the site the ACM mixed debris in boiler (room). Also asbestos workers will glove bag the ACM pipe insulation in the boiler room. Demolition of the coal room will occur through out the day.
745	I start perimeter air monitoring. Asbestos workers don disposable suits 1/2 face respirators, boots, gloves, glasses and hard hats and begin work.
800	Workers begin glove bag removal procedures Other workers create a poly lined platform For the Komatsu payloader to work on This material will be disposed of at the end of the project as contaminated
930	workers finish glove bag removal and begin cleaning small amounts of debris

IDUSTRIAL HYGIENIST J. Cem Bugo DATE 10/13/93
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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(215) 891-0114

CONSTRUCTION LOG

IENT/LOCATION: Geosynter Consultant / Old Sinclair AET PROJECT # _____
Power Plant Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
	off the first and second level in the boiler room
1100	Demolition continues on the coal room section
1200	Waste container trucks (4) on site. Asbestos crew lines the trucks with 2 layers of 6mil poly sheeting. I start an additional samples at the entrance of boiler room
1230	AFD by waste container truck is turned on. I start air air sample on the Komatsu pay loader.
1245	Bulk loading of the ACM mixed debris starts The komatsu payloader is going into the boiler room, grabbing a shovel load of debris, reversing out of the boiler room, turning on the poly lined platform and dumping the shovel load into the waste container truck. Each shovel load is being wetted down by a worker inside the boiler room with a hose.

INDUSTRIAL HYGIENIST Glenn Bush DATE 10/13/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House Wellsville NY   AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
300	All four trucks have been loaded and
	manifested. The trucks leave the site
330	Workers don the proper protective equipment
	and enter the boiler room to pile up
	debris to be loaded out tomorrow.
430	Workers suited up remove ~~excess~~
	debris off the 4th level in the
	boiler Room. Worker are using the
	man-lift and fire hose.
500	Workers come out of the boiler room
	lower levels and decontaminate. Removal
	of the roofing debris continues
615	Removal of 4th level debris is completed
	Workers decontaminate.
630	AET and Contractor off the site

INDUSTRIAL HYGIENIST Glenn Briggs   DATE 10/13/93
TIME IN ______ BREAK TIME ______ TIME OUT ______ BILLABLE TIME ______

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultant LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal room demolition - Boiler Room off site removal of mixed ACM debris Glove bag removal in the

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	(3) 2IWA 1 by waste container
WORK PRACTICES:	Satisfactor
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	4 worker 1/2 face resp disposable suits 1 supervisor boots gloves, glasses, hard hats
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	Body Harness & lanyards
EMERGENCY PROCEDURES:	Posted.
WASTE PACKAGING/QUANTITY:	Bulk - 63 3x4C cu yard each Total 12C CU yard
WASTE ROUTE/PATH:	Boiler Room to truck container
TRANSPORTATION METHOD:	Open top truck container
WASTE STORAGE:	NONE
HAULER/LICENSE#:	BFC - Buffalo Fuel Corp NY DOT-T-5159
LANDFILL:	S&S Clarksburg W.VA

Trucks →

Hauler on Man. Fest
NHD INC - PAD [redacted] 987369055
Route 309N
Dums PA 18222

10/13

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DAILY SITE LOG

PROJECT NO.: GeoSyntec Consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room demolition - Boiler Room off site removal of mixed ACM debris.

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
I. .DE BARRIERS:	N/A
AFD:	(3) 2 IWA 1 by waste container
WORK PRACTICES:	SAT to Factory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	4 Worker / ½ face resp. disposable suits + supervisor / ~~boot~~ glasses, gloves, hard hats
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
. JSEKEEPING:	OKay
SITE SECURITY:	Fence
OCCUPANTS ADJ. AREAS:	None
SAFETY CONSIDERATIONS:	Body harness lanyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	Bulk loading @ 35 yd3 2-5 46 cu yd container lined 2x 6mil poly
WASTE ROUTE/PATH:	Boiler Room to waste Container 150 cu yds Total
TRANSPORTATION METHOD:	TRUCK waste Container
WASTE STORAGE:	N/A
HAULER/LICENSE#:	~~NHO~~ NHO INC PRO 931953
LANDFILL:	S&S Landfill Clarks W. VA

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultant / Old Sinclair Power House / Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700Am	AET and Contractor on site. Contractor has safety
710	Safety meeting end. I log in the four asbestos workers. Today demolition will continue and the contractor will remove the remaining ACM mixed debris.
730	Demolition crew starts work on the coal room
745	Asbestos workers clean up and repoly the decon trailer.
815	I Waste hauler arrives on site. I setup 3 perimeter air samples around the waste pile.
825	I calibrate and start the air samples.
830	workers don disposable suits, 1/2 face respirators and boots, hard hats, and glasses. Workers start poly ing the waste container.
850	Bulk loading of the asbestos mixed debris begins. Worker exits down the

INDUSTRIAL HYGIENIST Glenn Briggo DATE 10/14/07
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultant / Old - Sinclair Power House Wellsville NY AET PROJECT #

ME	OBSERVATIONS AND PROGRESS STATUS
700 AM	AET + Contractor on site. Contractor has safety meeting.
710	Safety meeting ends. I log in the Asbestos workers. Today, workers will resume the off site removal of the ACM mixed debris in the boiler room and demolition of the coal room.
730	I start perimeter air sampling. Workers don 1/2 face respicators, disposable suits boots, gloves glasses, and hard hats
745	Workers start moving debris in to one pile in the Boiler room. Demolition crew resume work on the coal room.
915	NHD Waste hauler truck arrives on site. The container is lined with layers of 6 mil poly. I start more samples
930	The container truck is being loaded by a Fiat ~~Allis~~ Dresser payloader. The loader stays on the contaminated platform. When coming out of the ~~door~~

DUSTRIAL HYGIENIST Glenn Briggs DATE 10/14/93

BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

IENT/LOCATION: Geosynte Consulants / Old Sinclair Power House AET PROJECT #

IE	OBSERVATIONS AND PROGRESS STATUS
	boiler room to dump the shovel load. The
	mixed Acm debris is being wetted by
	a man with a hose inside the boiler room
1130	The truck container is Filled. Truck covers
	are placed over the waste container
	Truck& leaves the site.
1100	Workers pik up the debris inside
	the boiler room with the bobcat Front-
	end loaders. Other workers decontaminate
	and break for lunch.
1200	Workers return from lunch and don
	the proper protective equipment.
1215	Four truck waste containers arrive on
	site. All container are 46 cu yard
	capacity.
1230	All waste containers are lined with
	2 layers of six mil poly sheeting
1245	Bulk loading ~~start~~ of containers starts
	Workers inside the wet-down the
^	debris being removed with a Fire hose,

DUSTRIAL HYGIENIST Glenn Brego DATE 10/14/93

ME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants — AET PROJECT #
Old Sinclair Power House

ME	OBSERVATIONS AND PROGRESS STATUS
215	The last truck is loaded. Workers begin piling up and washing down the debris inside the boiler room
225	All trucks container tops' have been covered and all trucks are Off the site.
400	Workers are cleaning area on the second and third ~~floors~~ levels and piling debris on the ground floor workers are using manual methods to clean and a bobcat front end loader to I check the work area and find some asbestos roofing debris in the south west corner of the ~~work~~ coal room I will have the asbestos ~~roof~~ worker pick up the roofing debris at the end of the day.
500	Asbestos worker decontaminate and finish for the day
515	Demolition workers Finish for the day
530	AET and Contractor off the site

DUSTRIAL HYGIENIST Shawn Biggo — DATE 10/14/03
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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(215) 891-0114

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DAILY SITE LOG

PROJECT NO.: Geosyntec Consultant LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Coal Room Demolition - Boiler Room removal of bulk mixed ACM debris off site - Cleaning.

WORK AREA INSPECTION:	SPECIFICS
RETURN AIR/SUPPLY AIR:	N/A
INSIDE BARRIERS:	N/A
AFD:	Three 2 Inst 1 at waste container
WORK PRACTICES:	Satisfactory
DECON SYSTEM:	Remote Trailer
DECON SEQUENCE:	CR/AL/SR/AL/ER/AL
PERSONNEL/PPE:	4 workers / 1 supervisor
NEGATIVE PRESSURE:	N/A
WARNING SIGNS:	Posted
HOUSEKEEPING:	Okay
SITE SECURITY:	fence
OCCUPANTS ADJ. AREAS:	NONE
SAFETY CONSIDERATIONS:	Body Harness + Lanyard
EMERGENCY PROCEDURES:	Posted
WASTE PACKAGING/QUANTITY:	Bulk 2x lined waste container truck
WASTE ROUTE/PATH:	Pay loader to waste container
TRANSPORTATION METHOD:	Waste container Truck
WASTE STORAGE:	Material - south of Boiler Room on/covered w/ poly
HAULER/LICENSE#:	NHD - Drums PA
LANDFILL:	Sos landfill Clarksburg WV

CONSTRUCTION LOG

IENT/LOCATION: Geosynte Consultants/Old Sinclair AET PROJECT # _____
Power House Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor ON site. Contractor has short safety meeting.
710	I log in the five asbestos workers. Workers don ~~asb~~ disposable suits, 1/2 face respirators. gloves, boots, glasses, and hard hats in preparation to work IN the boiler room. Today, Workers will remove the remaining Acm mixed debris from the boiler room and clean it out. Demolition crew continues work IN the coal room
730	I start perimeter air monitoring. All air samples are calibrated. Workers IN the ~~proper~~ proper protective equipment enter the ~~BR~~ boiler room and resume piling up the debris and cleaning operations.
740	Demolition work begins.
900	I check workers in boiler room. Workers are performing in accordance to the work plan.

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/15/03
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants/Old AET PROJECT # _____
Sinclair Power House Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
1100	The workers decontaminate and break for lunch
1130	John Emmerling DOL on site. Emmerling checks workers permits and project site
1155	Waste hauler trucks arrive on site. Workers begin to poly line the waste container trucks.
1245	Payloader begin bulk loading of asbestos waste and debris. All waste material is wetted prior to being loaded. Also AFD's located inside the boiler room and at the waste container truck are on.
200	John Emmerling DOL leaves the site.
300	All trucks are manifested and have left the site. There is approximately 20-25 cubic yards of debris left inside the boiler room. The contractor has asked me if they can place the boiler room debris outside the work area

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/15/93
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

IENT/LOCATION: GeoSyntec Consultants / Old AET PROJECT #
Sinclair Power House Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
	so they can clean and have a final air samples taken. I speak to my office whom approves this if Department of Labor approves it.
330	Demo crew finishes work For the day. I speak to Robert Varano Senior Inspector For the Department of Labor (315) 793-7351 and explain the situation to him Varano will Allow the contractor to place the material outside the ~~containment~~ boiler room provided it is wetted, placed on and covered with 6mil poly and the area taped off. Also a danger asbestos sign must be placed on the pile.
345	Asbestos begin preparing the storage area, laying down 2 layers of 6mil poly sheeting.
400	I inform Robert Ivy of ARCO of

IDUSTRIAL HYGIENIST Glenn Brego DATE 10/15/93
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

IENT/LOCATION: Geosynter Consultants AET PROJECT # _____
Old Sinclair Power House

ME	OBSERVATIONS AND PROGRESS STATUS
	the new developments.
430	Workers start loading debris on to the poly sheeting located on the south side of the boiler room
445	I collect the perimeter air samples
515	Workers finish taking the debris out and cover it over with poly
535	@ storage area is poly'ed over and taped off.
545	workers decon from inside.
600	AET and workers off the site

DUSTRIAL HYGIENIST Glenn Briggs DATE 10/15/20
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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(215) 891-0114

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DAILY SITE LOG

PROJECT NO.: Geosyntec consultants LOCATION: Old Sinclair Power House Wellsville NY

SITE ACTIVITY

SCOPE OF WORK: Boiler Room - Cleaning

WORK AREA INSPECTION: SPECIFICS

RETURN AIR/SUPPLY AIR: N/A

I. .DE BARRIERS: ~~Two~~ N/A

AFD: Two IWA

WORK PRACTICES: Satisfactory

DECON SYSTEM: CR/AL/SR/AL/ER/AL

DECON SEQUENCE: Remote Trailer

PERSONNEL/PPE: 3 workers / 1/2 face respirators / disposable 1 supervisor / suits gloves ~~boots~~ glasses hard hats

NEGATIVE PRESSURE: N/A

WARNING SIGNS: Posted

. JSEKEEPING: OKay

SITE SECURITY: fence

OCCUPANTS ADJ. AREAS: None

SAFETY CONSIDERATIONS: -

EMERGENCY PROCEDURES: Posted

WASTE PACKAGING/QUANTITY: -

WASTE ROUTE/PATH: -

TRANSPORTATION METHOD: -

WASTE STORAGE: ON site outside boiler room covered with poly.

HAULER/LICENSE#: -

LANDFILL: -

CONSTRUCTION LOG

IENT/LOCATION: GeoSyntec Consulents AET PROJECT #
Old Sinclair Powee House Wellsville NY

ME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor on the site Contracton has safety meetiw
715	I log in asbestas workers & Today, workers will complete the Final cleaning of the boiler room. No demo work
730	I start perimeter air monitoring Workers have donned disposable suits, ½ face respirators, glasses boots gloves and hard hats and are Now working performing cleaning operations in the boiler room.
830	Workers are using small front end loadee and manual method inside boiler room to remove the ACM mixed debris.
930	Workers have uN covered the "storaged" debris and are bringing out the loads of debris.
1230	Workers decontaminate and break for lunch
1100	Worker don protective equipment and

IDUSTRIAL HYGIENIST Glenn Brego DATE 10/16
ME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants/old Sinclair Police House Wellsville KY AET PROJECT #

ME	OBSERVATIONS AND PROGRESS STATUS
	resume work in the boiler room
230	workers get the fire hose and begin to wash down the inside of the boiler Room
315	I don protective clothing and enter the work area to start the visual inspection
	I inspect the second level, I spot area on the beams and floor workers clean the areas that I indicate.
430	The second level and above have reached an acceptable level for the visual inspection. I can see NO asbestos debris. There is some brick material that was knock into the building yesterday. I decon-taminate and the workers continue to clean the first level
515	I suit up and enter the boiler and make the inspection of the Ground level of the Boiler Tire area looks clean. I can not

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/16/93
TIME IN BREAK TIME TIME OUT BILLABLE TIME

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consulants / Old Sinclair Power House Wellsville, NY   AET PROJECT #

ME	OBSERVATIONS AND PROGRESS STATUS
	E see any asbestos debris. There are
	troughs in the floor of the boiler
	room which have been scraped out
	and now have fill with water. Tomorrow
	they should be dry. and I will check
	them again before taking ~~finish~~ final
	air samples. A worker will be present
	to clean up any suspect material found
	in the troughs.
545	Worker finish up for the day. I have
	approved the area for final air samping
	tomorrow
620	workers decontaminate after covering
	the stock pile of debris
630	AET and Contractor off the site

IDUSTRIAL HYGIENIST J. Perry Berge   DATE 10/12/93

ME IN ____ BREAK TIME ____ TIME OUT ____ BILLABLE TIME ____

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CONSTRUCTION LOG

ENT/LOCATION: Geosyntec Consultants / CW
Sinclair Power House Wellsville NY

AET PROJECT # ______

E	OBSERVATIONS AND PROGRESS STATUS
[illegible]	AET and one contractor worker on site.
	I set-up air samples and ~~an~~ fans
720	I start fans inside work area for
	agressive air sampling then start outside
	air samples
8am	All samples for air clearance are
	running and have been calibrated.
830	It starts to rain lightly. Inside
	the work area samples are underneath
	cover (floor + coal hopper) and will
	not get wet.
1000	The rain stops
[illegible]	I check calibration of the air sample
1040	I begin to collect the final air sample
	inside and outside the boiler room
1100	All samples are collected Periodically
	from 830 am it was raining
1130	We have collected equipment unplugged electrical
	cords and locked up the trailers AET
	and contractor off the site

INDUSTRIAL HYGIENIST [signature] DATE 10/11/93

TIME IN ______ BREAK TIME ______ TIME OUT ______ BILLABLE TIME ______

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CONSTRUCTION LOG

IENT/LOCATION: Geosynthec Consultants / Old Sinclair Power House Wellsville NY AET PROJECT #

'E	OBSERVATIONS AND PROGRESS STATUS
700	AET and contractor on site. Contractor has safety meeting
715	I log in the three asbestos workers. Final air clearance test results were between 0.001 to 0.002 F/cc for the boiler and coal rooms. The area is cleared for complete demolition. Today, the remaining asbestos debris that was stockpiled will be removed.
730	Demolition work begins.
1000	I inform Robert Ivy of ABCO that the final air test taken on 10/12/93 have passed.
1200	The waste hauling trucks have arrived. Asbestos workers suit-up in protective equipment and poly the waste containers with two layers of six mil poly sheeting
1210	I start three area air samples.
1220	Workers start loading the trucks using the pay loader.

DUSTRIAL HYGIENIST Kevin Desai DATE 10/18/93

ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

IENT/LOCATION: Geosyntec Consultants / ord AET PROJECT # _____
Sinclair Power House Wellsville NY

'E	OBSERVATIONS AND PROGRESS STATUS
145	All three trucks have been loaded and manifested No visible emission were seen during the loading process.
150	All trucks off the site. There is approximately 1 truck load of ACM mixed debris still left on site Workers cover it over with poly.
230	I calibrate and collect the air samples started during the loading process.
350	I speak to Robert Varano of the DEC (315) 479 3315 about the necessity of a project monitor/ air technician on site for the removal of the last truck-load of mixed ACM debris. Varano says based on the ~~last~~ air samples taken today, during the loading process, a project monitor/air technician would not be needed if the samples are low, below 0.010 f/cc.
400	Robert Ivy ARCO doesn't want me to leave until we have air sample results.

DUSTRIAL HYGIENIST Glenn Brego DATE 10/16/93
ME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants / Old Sinclair Power House / Wellsville, NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	of the loading process. Since I can not get air sampler results until 11.00 Am Tuesday 10-18-93 I will stay on site until the truck is loaded with the rest of the ACM debris.
500	Workers Finish for the day AET and contractor off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 10-18-93

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultant/Old Sinclair Powerhouse Wellsville NY AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
	debris with the fire hose.
930	The waste hauler. is manifested and legs the site. There is at least ½ load left on site
945	John Emmerling ON site. I explain to Emmerling what has occorred with the movement of the acm debris
1020	Emmerlings checks the site. All is in order
1200	Emmerling off the site. Workers break for lunch. Demolition continues.
1300	Workers return from lunch.
200	Because of the demolition crew dropping coal hopper, I have the asbestos workers move the debris pile out of the way
230	Workers don the proper protective equipment and lay A new sheet OF poly down
250	* The payloader begins movement of the acm mixed debris
330	Workers Finish moving the pile. Workers cover it over and tape the area off.

INDUSTRIAL HYGIENIST Glenn Riego DATE 10/18/13

TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultant / Old AET PROJECT # _____
Sinclair Power House / Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
	Workers decontaminate and finish
	for the day. Demolition continues
500	Asbestos crew leaves the site
	Demolition on boiler room continues
630	Demolition crew leaves the site

INDUSTRIAL HYGIENIST Glenn Bregs DATE 10/19/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

Accredited Environmental Technologies

CORPORATE OFFICE:
28 N. Pennell Rd., Media, PA 19063
(215) 891-0114

CONSTRUCTION LOG

CLIENT/LOCATION: Geosyntec Consultants Old Sinclair Power House AET PROJECT #

TIME	OBSERVATIONS AND PROGRESS STATUS
700	AET and Contractor ON site Contractor has safety meeting
715	I log in the three asbestos workers Today the demolition crew will knock down the coal hopper and the remaining load of ACM debris will be remove from the site
730	Demolition crew begins work. All other site activity will be halted until the coal hopper comes down.
900	The waste hauler arrives ON site No work can occur unit the coal hopper comes down.
1100	Coal hopper still in the process of being knocked down.
100	Coal hopper comes down.
115	The waste hauler pulls ON site
120	I start area air samples
130	Workers don protective equipment and

INDUSTRIAL HYGIENIST Glenn Briggo DATE 10/20

TIME IN BREAK TIME TIME OUT BILLABLE TIME

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CONSTRUCTION LOG

CLIENT/LOCATION: GeoSyntec Consultants / 010 AET PROJECT #
Sinclair Power House Wellsville NY

TIME	OBSERVATIONS AND PROGRESS STATUS
145	Bulk loading of the ACM debris begins
220	The waste hauler truck is filled No more debris is left on the site.
230	The truck is manifested and leaves the site
240	I collect the air sample and the area where the waste pile was and find no ACM debris
300	AET off the site

INDUSTRIAL HYGIENIST Glenn Brego DATE 10/20/93
TIME IN _____ BREAK TIME _____ TIME OUT _____ BILLABLE TIME _____

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