

BLOCK 701.39 LOT 12 QUALIFICATION CODE _____ ADDRESS (SITE) 346 Chambers Bridge PERMIT NO. 12-0145



CONSTRUCTION PERMIT APPLICATION

C-12-000134

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: BRICK TOWNSHIP HIGH SCHOOL
346 CHAMBERS BRIDGE RD, BRICK, NJ

2. Name of Owner in Fee: BRICK TOWNSHIP PUBLIC SCHOOLS
Tel. (732) 458-3830 e-mail _____
Address 101 HENDRICKSON AVENUE, BRICK, NJ 08724

3. Ownership in Fee: Public ☒ Private _____
municipality _____ zip code _____

4. Principal Contractor: BTG RESTORATION, INC. Tel. (973) 696-6869
Address 105 RYERSON ROAD e-mail _____
LINCOLN PARK, NJ 07035

License No. OR, if new home, Builder Reg. No. 0378 Exp. Date 10/6/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 22-3025445 FAX: (973) 696-5929

5. Architect or Engineer: BRINKERHOFF ENV. Contact JASON HOOVER
Address 1805 ATLANTIC AVE, MANASQUAN e-mail _____
Tel. (732) 223-2225 FAX: (732) 223-3666

6. Responsible Person in Charge once Work has Begun: JOHN HOWLEY
Tel. (973) 696-6869 FAX: (973) 696-5929 ✓

V. FEE SUMMARY (for office use only)

	Update	Update
1. Building	\$	
2. Electrical	\$	
3. Plumbing	\$	
4. Fire Protection	\$	
5. Elevator Devices	\$	
6. Subtotal	\$	
7. Less 20% for State Plan Review	\$	
8. Subtotal	\$	
9. State Permit Surcharge Fee	\$	
10. Subtotal	\$	
11. Cert. of Occupancy	\$	
12. Other	\$	
13. TOTAL	\$	

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	
2. Height of Structure	ft.
3. Area — Largest Floor	sq. ft.
4. New Building Area	sq. ft.
5. Volume of New Structure	cu. ft.
6. Max. Live Load	
7. Max. Occupancy Load	
8. If Industrialized Building: State Approved _____ HUD _____	
9. Total Land Area Disturbed	sq. ft.
10. Flood Hazard Zone	
11. Base Flood Elevation	ft.
12. Wetlands yes _____ no _____	

IIa. PROPOSED WORK

- | | | | |
|--|--|--|---|
| ☐ Minor Work | ☐ New Building | ☐ Addition | ☐ Demolition |
| ☐ Repair | ☐ Alteration | ☐ Renovation | ☐ Reconstruction |
| ☒ Asbestos Abat. -Subch. 8 | ☐ Lead Hazard Abatement | ☐ Radon Remediation | ☐ Annual Permit |

IIb. SUBCODES

(Check all that apply)

- ☒ Building
- ☐ Electrical
- ☐ Plumbing
- ☐ Fire Protection
- ☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
	<u>DOV</u>	<u>1-12-12</u>	<u>1/19/12</u>	<u>1/19/12</u>	<u>AA</u>			

TOTAL COST

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____
4. No. of dwelling units: Total Units Income-restricted
- | | |
|----------------|-------|
| Gained, Sale | _____ |
| Gained, Rental | _____ |
| Lost, Sale | _____ |
| Lost, Rental | _____ |

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____

C. MIXED USE -List secondary use(s): _____

- D. Construct. Classification: Present _____
Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

- | | | | |
|---|---|---|---|
| 1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks | 4. ☐ Refrigeration Systems | 8. ☐ Smoke Control Systems in Open Wells | 12. ☐ Fire Alarm |
| 2. ☐ High Pressure Boilers | 5. ☐ Cross-Connections/Backflow Preventers | 9. ☐ Underground Storage Tanks | |
| 3. ☐ Pressure Vessels | 6. ☐ Hazardous Uses/Places of Assembly | 10. ☐ Swimming Pools, Spas and Hot Tubs | |
| | 7. ☐ Sprinklers/Standpipes | 11. ☐ LPGas Tanks | |



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 1/24/2012
Control Number C-12-000134
Permit Number 12-0145
Permit Issue Date 1/19/2012
Certificate Number 12-0145

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 346 CHAMBERS BRIDGE RD. Brick Township Block: 701.39 Lot: 12 Qual:
High School Brick Township, NJ
Owner in Fee: BRICK TOWNSHIP EDUCATION
Owner Address: 101 HENDRICKSON AVE. BRICK NJ 08723
Telephone: (732) 458-3830
Contractor: B & G Restoration
Address: 105 Ryerson Rd. Lincoln Park NJ 07035
Telephone: (973) 696-6869 Fax: (973) 696-5929
License Number or Builders Registration Number: 00378 Federal Emp. Number: 22-3025445

Home Warranty Number:

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification:

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: Asbestos Abatement

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (years); see file

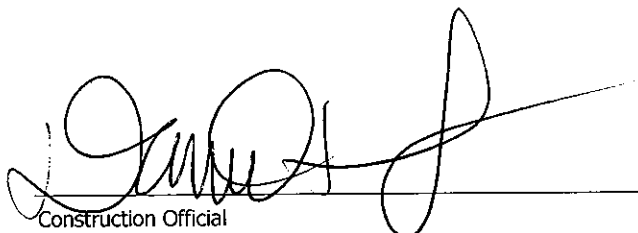
☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate: This certificate has an expiration date of:

Conditions to be met:


Construction Official

Fee: \$0.00

Check Number:

Collected By:

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name BIG RESTORATION INC.

Address 105 RTERSON ROAD

LINCOLN PARK, NJ 07035

Telephone (973) 696-6869

Signature [Signature]

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



BUILDING SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 701.39 Lot 12 Qualification Code 30

Work Site Location BRICK TWP. HIGH SCHOOL
346 CHAMBERS BRIDGE ROAD, BRICK, NJ 08723

Owner in Fee: BRICK TOWNSHIP PUBLIC SCHOOLS

Tel. (732) 458-3830 e-mail

Address 101 HENDRICKSON AVE, BRICK, NJ 08724

Contractor: BTC RESTORATION, INC Tel. (973) 686-6869

Address 105 PETERSON RD. e-mail

Contractor License No. or Builder Registration No. 0378 Exp. Date 10/6/12

Home Improvement Contractor Registration No. or Exemption Reason (if applicable):

Federal Emp. ID No. 32-3005445 FAX: 973 696-5329

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Failure	Dates (Month/Day)	Initial
			Type:		Failure	Approval
☐ No Plans Required			Footings			
☐ All			Footings/Bonding			
☐ Footings/Foundations			Foundation			
☐ Structural/Framework			Slab			
☐ Exterior			Frame			
☒ Interior	<u>1/19/12</u>	<u>KA</u>	Truss Sys./Bracing			
Ident Plan Review Required:	<u>1/24/12</u>	<u>KA</u>	Insulation			
☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator			Finishes -Base Layer			
SUBCODE APPROVAL for PERMIT			Finishes -Final			
Date:			Energy			
Approved by:			Mechanical			
SUBCODE APPROVAL for CERTIFICATE			TCO			
☐ CO ☐ CA			Other			
Date:	<u>1/24/12</u>	<u>KA</u>	Final			
Approved by:			Barrier-Free			

B. BUILDING CHARACTERISTICS

Use Group Present	Proposed	Constr. Class Present	Proposed
No. of Stories		If Industrialized Building:	
Height of Structure		State Approved	HUD
Area — Largest Floor		Est. Cost of Bldg. Work:	
New Bldg. Area/All Floors		1. New Bldg.	\$ <u>34,000</u>
Volume of New Structure		2. Rehabilitation	\$ <u>24,000</u>
Max. Live Load		3. Total (1+2)	\$ <u>58,000</u>
Max. Occupancy Load			

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here: JOHN HOUSEY

Print name here: JOHN HOUSEY

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK	FEE (Office Use Only)
ASBESTOS ABATEMENT OF	
85 SF BOILER INSULATION.	

TYPE OF WORK:	FEE (Office Use Only)
☐ New Building	
☐ Addition	
☐ Rehabilitation	
☐ Roofing	
☐ Siding	
☐ Fence	
☐ Sign	
☐ Pool	
☐ Retaining Wall	
☒ Asbestos Abatement Subchapter 8	
☐ Lead Haz. Abatement NJAC 5:17	
☐ Radon Remediation	
☐ Other	
☐ Demolition	

Administrative Surcharge	\$
Minimum Fee	\$
State Permit Surcharge Fee	\$
TOTAL FEE	\$

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

Date Received 1-19-12
Control # 12-0145
Date Issued
Permit #

 *** FAX TX REPORT ***

TRANSMISSION OK

JOB NO. 3728
 DESTINATION ADDRESS 97322233666
 PSWD/SUBADDRESS
 DESTINATION ID
 ST. TIME 01/25 15:07
 USAGE T 00' 46
 PGS. 1
 RESULT OK



Brick Township
 401 Chambersbridge Rd
 Brick, NJ 08723

Certificate

Construction Code Division
 (Certificate of Approval)

Date Issued 1/24/2012
 Control Number C-12-000134
 Permit Number 12-0145
 Permit Issue Date 1/19/2012
 Certificate Number 12-0145

Identification

Work Site Location: 346 CHAMBERS BRIDGE RD, Brick Township, NJ Block: 701.39 Lot: 12 Quad:
 Owner in Fee: BRICK TOWNSHIP EDUCATION
 Owner Address: 101 HENDRICKSON AVE, BRICK NJ 08723
 Telephone: (732) 458-3830
 Contractor: B & G Restoration
 Address: 105 Ryerson Rd, Lincoln Park NJ 07035
 Telephone: (973) 696-6869 Fax: (973) 696-9929
 License Number or Builders Registration Number: 00378 Federal Emp. Number: 22-3025445
 Home Warranty Number:
 Type of Warranty Plan: ☐ State ☐ Private
 Use Group: R-5 Construction Classification:
 Maximum Live Load: 0 Maximum Occupancy Load: 0
 Description of Work/Use: Asbestos Abatement

Certificate Comments:

- ☐ **Certificate of Occupancy**
 This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.
- ☒ **Certificate of Approval**
 This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.
- ☐ **Certificate of Continued Occupancy**
 This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.
- ☐ **Temporary Certificate of Compliance**
 The following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate. This certificate has an expiration date of: _____
 Conditions to be met:
- ☐ **Certificate of Clearance - Lead Abatement 5-17**
 This serves notice that based on written certification, lead abatement was performed as per NJACS:17 to the following extent:
☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (_____ years); see file
- ☐ **Certificate of Clearance - Asbestos Abatement**
 This serves notice that based on written certification, asbestos abatement was performed to the following extent:
☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (_____ years); see file
- ☐ **Certificate of Compliance**
 This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____
- ☐ **Temporary Certificate of Occupancy**
 The following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate. This certificate has an expiration date of: _____
 Conditions to be met:

Construction Official

Date Printed: 1/24/2012

U.C.C. Form (rev. 08/05)

Fee: \$0.00
 Check Number: _____
 Collected By: _____

Page 1

1/24/12 Rea Test Results - All Samples
NO FIELD INFO PERFORMED BY THIS OFFICE
WA

①
Xpdx

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-5974 Email: cinnasbt@EMSL.com

Attn: **Jason Hooper**
Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736

Fax: (732) 223-3666

Phone: (732) 223-2225

Customer ID: BRIN50

Customer PO:

Received: 01/21/12 7:24 PM

EMSL Order: 041201556

EMSL Proj:

Analysis Date: 1/22/2012

Sampling Date:

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Ash	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						$\geq 0.5\mu$	$< 5\mu$		(S/mm ²)	(S/cc)
F01 041201556-0001	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F02 041201556-0002	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F03 041201556-0003	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F04 041201556-0004	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F05 041201556-0005	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049

Initial report from 01/22/2012 00:37:54

Analyst(s)

Steig Breloff (5)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

CINNAMINSON, N.J.



2012 JAN 21 P 7

Asbestos Lab Services Chain of Custody

EMSL Order Number (Lab Use Only):

Corporate - Cinnaminson, NJ
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: Brinkerhoff Environmental Services, Inc.		EMSL-Bill to: ☐ Same ☒ Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party	
Street: 1805 Atlantic Avenue			
City/State/Zip: Manasquan, NJ 08736			
Report To (Name): Jason Hooper		Fax: 732-223-3866	
Telephone: 732-223-2225		Email Address: jhooper@brinkenv.com	
Project Name/Number: 118R217			
Please Provide Results: Email		Purchase Order:	
		State Samples Taken: NJ	
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☒ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) ☐ PLM EPA 600/R-93/118 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/ Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NIOSH 9002 (<1%)		TEM - Air ☒ 4-4.5hr TAT (AHERA only) ☒ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312 TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
		TEM - Dust ☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite ☐ PLM CARB 435 - A (0.25% sensitivity) ☐ PLM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - C (0.01% sensitivity) ☐ EPA Protocol (Semi-Quantitative) ☐ EPA Protocol (Quantitative) Other: ☐	
☐ Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☒ 0.45µm	
Samplers Name: Douglas Ferry		Samplers Signature: <i>Douglas Ferry</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
F01	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F02	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F03	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F04	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F05	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F06	Final - Hallway by Room 23	1200	1/21/12 - 16:10
F07	Final - Hallway outside Boiler Room	1200	1/21/12 - 16:10
F08	Final - Hallway outside Room 22	1200	1/21/12 - 16:10
Client Sample # (s): F01 - F08		Total # of Samples: 13	
Relinquished (Client):		Date:	Time:
Received (Lab):		Date:	Time:
Comments/Special Instructions: Bill To: Brinkerhoff Environmental Services, Inc., 1805 Atlantic Avenue, Manasquan, NJ 08736 Attention: Jodi Hillman Phone: 732-223-2225 Email: jhillman@brinkenv.com Doug Ferry 609-847-2957			

Controlled Document - Asbestos Lab Services COC - A1 0 - 11/23/2003

Page 1 of 2 pages

Analyze inside samples. If they fail, call for instructions.
 Contact Douglas Ferry 609-847-2957 w/ results



Agostos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

Corporate - Cinnaminson, NJ
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 788-5974

2015-10-10

CONTACT Doug Ferry w/results. 609-847-2957

Page 2 of 2 Pages

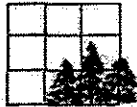
BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

1913 Atlantic Avenue, Suite R5

Manasquan, New Jersey 08736

Tel: (732) 223-2225 Fax: (732) 223-3666



736

701.39
12

346 Chambers Bldg

12-0145

CERTIFICATE OF COMPLETION

CLIENT Brick Township Public School

PROJECT NO. 11BR217

PROJECT Brick Township High School

DATE 1/22/12

CONTRACTOR B+6 Restoration, Inc

TECHNICIAN: Douglas Ferry

WORK AREA(S) Boiler Room

PLEASE BE ADVISED THAT THE ABOVE LISTED WORK AREA HAS BEEN TESTED, INSPECTED AND FOUND TO BE SATISFACTORILY CLEANED AND IN COMPLIANCE WITH CONTRACT SPECIFICATIONS AND N.J.A.C. 5:23-8.

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

Douglas Ferry
ASBESTOS SAFETY TECHNICIAN

LICENSE # 01270

FINAL AIR TESTING RESULTS:

PCM		TEM	
_____ FCC	_____ FCC	<u>10.0049</u> SICC	_____ SICC
_____ FCC	_____ FCC	<u>10.0049</u> SICC	_____ SICC
_____ FCC	_____ FCC	<u>10.0049</u> SICC	_____ SICC
_____ FCC	_____ FCC	<u>10.0049</u> SICC	_____ SICC
_____ FCC	_____ FCC	<u>10.0049</u> SICC	_____ SICC

CINNAPPOUN, NJ



Asbestos Lab Services Chain of Custody

JAN 21 2012

EIMSL Order Number (Lab Use Only):

Corporate - Cinnapoun, NJ
200 Route 130 North
Cinnapoun, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company: Brookhoff Environmental Services, Inc.		EMSL-Bill to: ☐ Same ☒ Different If bill to different than Emerson in Cinnapoun, NJ Third Party Billing requires written authorization from third party	
Street: 1805 Atlantic Avenue			
City/State/Zip: Manassas, NJ 08738			
Report To (Name): Jason Hooper		Fax: 732-223-3666	
Telephone: 732-223-2225		Email Address: jhooper@brookhoff.com	
Project Name/Number: 118P217			
Please Provide Results: Email		Purchase Order:	
		State Samples Taken: NJ	
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☒ 4-8 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr TWA PLM - Bulk (reporting limit) ☐ PLM EPA 600/R-93/118 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/ Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NIOSH 9002 (<1%)		TEM - Air ☒ 4-8 hr TAT (AHERA only) ☒ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312 TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
TEM - Dust ☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite ☐ PLM CARB 435 - A (0.25% sensitivity) ☐ PLM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - C (0.01% sensitivity) ☐ EPA Protocol (Semi-Quantitative) ☐ EPA Protocol (Quantitative) Other:			
☐ Check For Positive Stop - Clearly Identify Homogeneous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☒ 0.45µm	
Samplers Name: Douglas Ferry		Samplers Signature: [Signature]	
Sample #	Sample Description	Volume/Area (Air) NA # (Bulk)	Date/Time Sampled
F01	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F02	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F03	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F04	Final - Boiler Room Work Area	1200	1/21/12 - 16:00
F05	Final - Boiler Room (Work Area)	1200	1/21/12 - 16:00
F06	Final - Hallway by Room 23	1200	1/21/12 - 16:10
F07	Final - Hallway outside Boiler Room	1200	1/21/12 - 16:10
F08	Final - Hallway outside Room 223	1200	1/21/12 - 16:10
Client Sample # (s): F01 - F08		Total # of Samples: 13	
Relinquished (Client):		Date:	Time:
Received (Lab):		Date:	Time:
Comments/Special Instructions: Bill To: Brookhoff Environmental Services, Inc., 1805 Atlantic Avenue, Manassas, NJ 08738 Attention: Jodi Haiman Phone: 732-223-2225 Email: jhaiman@brookhoff.com Doug Ferry 609-847-2957			

Lab Report Document - Asbestos Lab Services (COC) - 4/18/11 - 15/12/2009

Page 1 of 2 pages

Analyze inside samples. If they fail, call for instructions.
 Contact Douglas Ferry 609-847-2957 w/ results

[Faint handwritten notes at the bottom of the page]

[illegible]

Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

Corporate - Cinnaminson, NJ
200 Plaza 133 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3575
FAX: (856) 788-5974

[illegible]

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (800) 220-3675 Fax: (856) 786-8974 Email: cinjnsblab@EMSL.com

Attn: **Jason Hooper**
Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736

Fax: (732) 223-3666

Phone: (732) 223-2225

Customer ID: BRIN50

Customer PO:

Received: 01/21/12 7:24 PM

EMSL Order: 041201556

EMSL Proj:

Analysis Date: 1/22/2012

Sampling Date:

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥ 0.5μ < 5μ	≥ 5μ		(S/mm ²)	(S/cc)
F01 041201556-0001	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F02 041201556-0002	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F03 041201556-0003	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F04 041201556-0004	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049
F05 041201556-0005	- Boiler Room	1200.00	0.0660	0	None Detected			0.0049	<15.00	<0.0049

Initial report from 01/22/2012 00:37:54

Analyst(s)

Steig Breloff (S)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAP unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIAA-LAP, LLC (HLAP Lab 130184, NYS ELAP 10872, NJ DEP 05036)



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723
(732) 262-1027

Subcode Official Review

To: 101 HENDRICKSON AVE. BRICK, NJ 08723 CC:

RE: Building Subcode
Block: 701.39 Lot: 12 Qual:
346 CHAMBERS BRIDGE RD.
Permit Number: Control Number: C-12-000134
Last Submit Date: Friday, January 13, 2012

*John - 973-879-0784
B+G Contracting*

Date: Thursday, January 19, 2012

Dear BRICK TOWNSHIP EDUCATION,

The following comments were made during the Plan Review process:

NJ Department of Education jurisdiction. Provide letter of plan review release from NJDOE or release for local review.

Sincerely,

Kenneth Anderson 1/19/12

Kenneth Anderson, Subcode Official



CONSTRUCTION PERMIT

Date Issued 1/19/2012
Control # C-12-000134
Permit # 12-0145

IDENTIFICATION Block: 701.39 Lot: 12 Qualifier _____
Work Site Location: 346 CHAMBERS BRIDGE RD. Brick Township High Contractor B & G Restoration
School Brick Township, NJ Address 105 Ryerson Rd. Lincoln Park NJ 07035
Owner in Fee BRICK TOWNSHIP EDUCATION
101 HENDRICKSON AVE. BRICK NJ 08723 Telephone: (973) 696-6869
Telephone: (732) 458-3830 Lic. No. or Bldrs. Reg. No. 00378
Federal Employee No. 22-3025445

Is hereby granted permission to perform the following work:

- ☒ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☒ ASBESTOS ABATEMENT (Subchapter 8 only) ☐ OTHER

DESCRIPTION OF WORK:

Asbestos Abatement

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$24,000

[Signature]
Construction Official

1-19-12
Date

PAYMENTS (Office Use Only)

Building _____ \$0
Electrical _____ \$0
Plumbing _____ \$0
Fire Protection _____ \$0
Elevator Devices _____ \$0
Other _____ \$0.00
DCA Training Fee _____ \$0
CO Fee _____ \$0
Other _____ \$0
Total _____ \$0
Check No. _____
Cash _____ \$0
Credit _____ \$0
Collected By _____

U.C.C. F170
equiv (rev 8/03)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

STATE OF NEW JERSEY
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH
ASBESTOS CONTROL & LICENSING SECTION

ASBESTOS LICENSE

LICENSE NUMBER: 00378

ISSUE DATE 10/05/11

EXPIRATION DATE: 10/06/12

THIS LICENSE has been issued in accordance with and is subject to the provisions of the Asbestos Control and Licensing Act, N.J.S.A. 34:5A-32 et seq.

Employer: B & G Restoration Inc.

Address: 105 Ryerson Road

Lincoln Park NJ 07035

Responsible Individual: Type "A" LICENSE to perform any type of asbestos work

This license is VALID ONLY FOR THE EMPLOYER NAMED HEREIN and must be readily available at the work site for inspection by the Commissioners of Labor and Workforce Development and Health & Senior Services and the contracting agency.

Branko Vucenovic, President



Commissioner

B & G proj. #: 2012-15A

State of NJ
Notification of Asbestos Abatement
(Pursuant to NJAC 8:60-7 and 12:120-7)

Sub 8

Check # 5010

Date of Notification (1) <u>10/11/10</u>		Name of Building Owner/Operator (2) <u>Brick Township Public School</u>	
Agencies Notified ☐ EPA ☐ DEP ☒ DOL ☒ DOH ☐ DCA		Type Notification ☒ Initial ☐ Amendment ☐ Cancellation	
Street Address <u>101 Hendrickson Avenue</u>			
City, State, Zip Code <u>Brick, NJ 08724</u>			
Name of Contact <u>Jim Edwards</u>		Telephone Number <u>732-458-3830</u>	

FACILITY INFORMATION

Name of facility where abatement is taking place (3) <u>Brick Township High School</u>			Type of Facility (4) ☒ School (K - 12) ☐ Subchapter 8 (Other than K-12) ☐ Other (Private/Commercial Bldgs./Homes, etc.)		
Street Address <u>346 Chambersbridge Road</u>			Square Feet # of Floors Bldg. Age		
City (5) <u>Brick</u>	County (6) <u>Ocean</u>	County Code (7) (State use only)	Current Use (Prior if being demolished) <u>School</u>		
Name of Monitoring Firm Hired by Bldg. Owner (8) <u>Brinkeroff Environmental</u>		ASCM No. <u>00100</u>	Name of Abatement Contractor (9) <u>B & G Restoration, Inc.</u>		
Street Address <u>1805 Atlantic Avenue, Suite R5</u>			Street Address <u>105 Ryerson Road</u>		
City, State, Zip Code <u>Manasquan, NJ 08736</u>			City, State, Zip Code <u>Lincoln Park, NJ 07035</u>		
Project Manager for Monitoring Firm <u>Jason Hooper</u>		Phone Number <u>732-223-2225</u>	Telephone Number <u>973-696-6869</u>		License Number <u>0378</u>
Scheduled Start Date (10) <u>1/20/12</u>		Sched. Completion Date (11) <u>1/22/12</u>		Name of OSHA Monitor <u>B & G Restoration, Inc.</u>	
Occupancy Status During Abatement (Check only one) ☐ Facility closed/vacated during entire period of abatement. ☐ Abatement performed outside of normal facility hours- Describe: _____ ☒ Other-Describe: <u>OCCUPIED</u>		Street Address <u>105 Ryerson Road</u>			
		City, State, Zip Code <u>Lincoln Park, NJ 07035</u>			

Scope of Work (check all that apply)

☐ Demolition	☒ Renovation	☒ Full Containment w/negative pressure	☐ Glovebag procedure
☐ >3 sf or >3 lf	☐ >160 sf or >260 lf	☐ Mini-enclosure	☐ Non-friable procedure

Location of asbestos-containing material to be abated in facility (13)	Is location normally used solely by maintenance/custodial staff (12)			Description of asbestos-containing material (ACM)	Amount (Specify SF or LF)	R e m o v e	R e p a i r	E n c a p	E n c l
	Yes	No	N/A						
boiler room			☒	boiler jacket insulation	85 sf	☒			

Registered Waste Hauler <u>B & G Restoration, Inc.</u>	NJDEP Hauler ID# <u>19563</u>	Cubic Yards of Waste <u>2 yards</u>	Name of Registered Landfill <u>Tullytown Resource & Recovery Center</u>
City, State <u>Lincoln Park, NJ 07035</u>	Disposal Date <u>1/23/12</u>	City, State <u>Tullytown, PA</u>	
Completed by (Print or Type) <u>Gordana Luna</u>	Title <u>Treasurer</u>	Signature <i>Gordana Luna</i>	Date <u>1/10/12</u>

Daniel Newman

From: LoDolce, Frank [frank.lodolce@doe.state.nj.us]
Sent: Thursday, January 19, 2012 1:25 PM
To: Daniel Newman
Subject: Brick School District - Boiler asbestos

Dan,

Base on my understanding of the scope of work, DOE Office of School Facilities can consider this to be a maintenance project.

As a maintenance project, it does not need to come to my office for approval. The DOE/DCA release will be needed.

I hope that this email is sufficient for you to move forward.

Please let me know if you have any questions or need anything further.

Thank You

Frank LoDolce

Frank LoDolce R.A.

Regional Director

New Jersey Department of Education

P.O. Box 500

Trenton N.J. 08625-0500

ACORD CERTIFICATE OF LIABILITY INSURANCE		OP ID DJ B&GRE-1	DATE (MM/DD/YYYY) 09/01/11
PRODUCER J.J. Farber-Lottman Co. Inc. 200 RT 5 P.O. Box 613 Palisades Park NJ 07650		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED B&G Restoration, Inc. 105 Ryerson Rd Lincoln Park NJ 07035		INSURERS AFFORDING COVERAGE INSURER A: Chartis Specialty Insurance Co INSURER B: Commerce & Industry Ins Co INSURER C: Allstate Insurance Co INSURER D: First Rehab Insurance Co.-DBL INSURER E: Travelers Insurance Company	NAIC #

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR	ADD'L LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY	PROP 6234925 IN AS PACKAGE	06/25/11	06/25/12	EACH OCCURRENCE	\$ 1,000,000
		☒ COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
		☐ CLAIMS MADE ☒ OCCUR				MED EXP (Any one person)	\$ 25,000
		☒ Pollution Asbestos				PERSONAL & ADV INJURY	\$ 1,000,000
		☒ MCS 90 END. INCL				GENERAL AGGREGATE	\$ 2,000,000
		GEN'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	\$ 2,000,000
		☐ POLICY ☒ PRO.JECT ☐ LOC					
C		AUTOMOBILE LIABILITY	048774440 BAP	03/22/11	03/22/12	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
		☐ ANY AUTO				BODILY INJURY (Per person)	\$
		☐ ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
		☒ SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	\$
		☒ HIRED AUTOS					
☒ NON-OWNED AUTOS							
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$
		☐ ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	\$
						AGG	\$
A		EXCESS/UMBRELLA LIABILITY	PROU 24205616	06/25/11	06/25/12	EACH OCCURRENCE	\$ 5,000,000
		☒ OCCUR ☐ CLAIMS MADE				AGGREGATE	\$ 5,000,000
		☐ DEDUCTIBLE					\$
		☒ RETENTION \$10,000					\$
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	WC 001-61-5621	04/08/11	04/08/12	☒ WC STATUTORY LIMITS ☐ OTHER	
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	\$ 1,000,000
		If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
		OTHER				E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D		DISABILITY	DBL114261	04/15/11	04/14/12	STATUTORY LIMITS	
E		Equipment	QT-660-4280B996-TIL-11	06/25/11	06/25/12	Leas/Rent	\$75,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Additional Insured: Donnelly Industries Inc. and the Project Owner are named as additional insured on a primary non-contributory basis with respect to the work and operations of B&G Restoration Inc. only, on their behalf as per their written contract requiring the same. Subject to policy conditions and exclusions

CERTIFICATE HOLDER DONNEL1 Donnelly Industries, Inc. 557 Route 23 South Wayne NJ 07470	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE
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IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.



1805 Atlantic Avenue
Manasquan, New Jersey 08736
Phone: (732) 223-2225 Fax: (732) 223-3666

January 12, 2012

Mr. Daniel F. Newman Jr.
Municipal Building
401 Chambers Bridge Road
Brick Township, NJ 08723

Re: Brick Township High School
346 Chambers Bridge Road
Brick, New Jersey 08723
Brinkerhoff Project No. 11BR217

Dear Mr. Newman:

Please be advised that this letter shall affirm release of Plans and Specifications by Brinkerhoff Environmental Services, Inc. (Brinkerhoff - License #00100) for the limited containment removal of approximately 85 square feet of asbestos containing thermal insulation from the Brick Township High School. As the designated ASCM firm, Brinkerhoff hereby certifies that the abatement will be performed under the Plans and Specifications as submitted to your office.

Please contact me with any questions.

Respectfully submitted,

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

Jason P. Hooper
EPA/AHERA Inspector/Project Designer

**TECHNICAL SPECIFICATIONS
FOR
ABATEMENT AND REMOVAL OF ASBESTOS CONTAINING
MATERIALS**

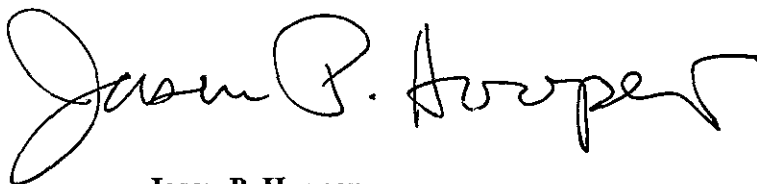
**BRICK TOWNSHIP HIGH SCHOOL
346 CHAMBERS BRIDGE ROAD
BRICK TOWNSHIP
OCEAN COUNTY, NEW JERSEY**

Prepared for

**Brick Township Public Schools
101 Hendrickson Avenue
Brick, NJ 08742**

Prepared by

**Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, New Jersey 08736
ASCM #00100**

A handwritten signature in black ink, reading "Jason P. Hooper". The signature is fluid and cursive, with the first name "Jason" being the most prominent part.

**Jason P. Hooper
EPA/AHERA Project Designer**

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

PART 1—GENERAL

1.01 DESCRIPTION

This section provides for the removal and disposal of ASBESTOS CONTAINING BUILDING MATERIALS within the Brick Township High School, 346 Chambers Bridge Road, Ocean County, New Jersey as hereinafter specified and/or as otherwise required for proper and timely completion of this Contract.

- A. This work shall consist of the abatement and removal and disposal of asbestos-containing materials (ACM) as identified in the bullets below and in the Contract Documents in accordance with the listed references, project specification, and applicable regulations. The building will be occupied during abatement and removal.

Boiler Jacket Insulation

- Approximately 85 square feet of boiler insulation within the Boiler Room located on the first floor of the subject building;
- B. Refer to the Figure 1 for the locations. Quantities are estimated and must be confirmed by the contractor.
- C. **The entire boiler room will be entirely off-limits to non-asbestos-trained personal for the duration of the project. All other areas of the school shall be considered occupied.**
- D. Contractor will reinsulate the boiler as needed to replace the abated material at a later time.(non-asbestos procedures)

1.02 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. The publications referred to within the text will be the basic designation only.

29 CFR 1910.134	Respiratory Protection
29 CFR 1910.146	Confined Spaces
29 CFR 1910.1200	Hazard Communication

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

29 CFR 1926.1101	OSHA Asbestos
29 CFR 1926.55	Gases, Vapors, Fumes, Dusts, and Mists
29 CFR 1926.59	Hazard Communication
29 CFR 1926.103	Respiratory Protection
40 CFR 763	AHERA
40 CFR part 61m	NESHAP
40 CFR 260	Hazardous Waste Management Systems: General
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Generators of Hazardous Waste
40 CFR 263	Transporters of Hazardous Waste
40 CFR 264	Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal facilities
40 CFR 265	Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal facilities
49 CFR 171	Standard for Transportation of Hazardous Materials.
49 CFR 172	Hazardous Material Tables and Hazardous Materials Communications Regulations
49 CFR 173	General Requirements for Shipments and Packaging
49 CFR 178	Shipping Container Specifications

NEW JERSEY REGULATION

N.J.A.C.5:23 - (8.1-8.22)	Asbestos Hazard Abatement Sub-code
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1.03 SUBMITTALS

- A. The following documents are required for Owner's review and approval of the Abatement Contractor:
1. Abatement Contractor Asbestos License/Certification issued by the New Jersey Department of Labor.
 2. Abatement Contractors certificate of insurance.
 3. NJ DEP Registered Waste Hauler Permit
 4. Project Experience. Summary
 5. Removal Plan (including, but not limited to):
 - a. Project schedule.
 - b. Materials and equipment including MSDS sheets.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

c. Landfill name and address.

6. *Testing Laboratory Qualifications:* Submit the name, address, and telephone number of the testing laboratories selected to perform the PCM/PLM analysis for personnel monitoring. The laboratory should be participant in the Proficiency Analytical Testing Program (PAT), or the American Industrial Hygiene Association (AIHA) Asbestos Registry.

B. Project Experience:

1. The Abatement Contractor shall have completed a minimum of five (5) removal projects, using similar removal techniques (described in Section 3.02), complying with EPA, OSHA and N.J.A.C. 5:23-(8.1-8.22). Abatement Contractor shall include documentation of previous work experience in the submittal above.

1.04 ACCESS TO WORK SITE AND HOURS OF WORK

- A. All arrangements for access to the work site shall be made through the Owner. Abatement Contractor has a limited time frame available to complete project on schedule.

1.05 NOTIFICATIONS

- A. The Building Owner shall notify the building occupants in writing 20 days prior to the commencement of the asbestos abatement scheduled start date. The notification shall be posted in visible locations, 7 days prior to the start for all occupants to see, and immediately adjacent to each work area. The notification shall include the following information:

- Relocation Plans
- Alternate Routes for Temporarily Blocked Exits/Entrances
- Owners Representative Contact Name & Phone Number

- B. The Abatement Contractor shall notify the following agencies in writing 10 days prior to the start of the asbestos removal project. The Abatement Contractor shall post and maintain "DANGER ASBESTOS" signs 7 days prior to the start of the asbestos removal project at every entry point from outside and around the work area.

US Environmental Protection Agency
Asbestos NESHAPS Contracts

New Jersey Department of
Community Affairs

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

Air & Hazardous Material Division
26 Federal Plaza
New York, New York 10007

Bureau of Construction Code Enforcement
PO Box 816
Trenton, New Jersey 08625

New Jersey Department of Health
Asbestos Control Project
PO Box 369
Trenton, New Jersey 08625

State of New Jersey
Department of Environmental Protection
Division of Solid Waste Management
PO Box 414
Trenton, New Jersey 08625

C. Notification to the agencies in Section B above shall be on the required forms (where applicable) and include the following information:

1. Name and address of the Owner of building.
2. Name and address of the operator of the building.
3. Name and address of Abatement Contractor.
4. Address and description of the building, including size, age and prior use of the building or area, and amount of friable asbestos material present in square feet and/or linear feet, as applies. Designate room numbers and other location information, unless entire building is involved.
5. Schedule starting and completion dates for removal.
6. Procedures and equipment that will be employed to comply with 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants.
7. The name and address of the Department of Environmental Protection registered waste hauler and of the Department of Environmental Protection registered landfill where the asbestos waste will be deposited. Such landfill shall also comply with 40 CFR Part 61.
8. The name and address of the Owner's ASCM to perform air monitoring on behalf of the contractor's employees.
9. The Abatement Contractor shall notify the Owner's ASCM in writing at least 14 Days prior to commencement of any preparation of work.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

1.06 DOCUMENTATION OF WORKERS' QUALIFICATIONS

- A. The Abatement Contractor shall post the names, signatures, and photocopies of State-issued licenses for all workers doing asbestos removal work on the job site. In addition, the Abatement Contractor must display a sign in letters larger than four (4) inches tall indicating the following: "Licensed by the State of New Jersey for Asbestos Work," N.J.S.A 34:5A-32 et seq.
- B. The Abatement Contractor shall comply with all applicable requirements of 40 CFR Part 61, "Accepted Engineering Practices".

1.07 AIR MONITORING AND INSPECTIONS

- A. The Abatement Contractor is responsible for all OSHA-required air monitoring for their employees.
- B. Air monitoring and visual inspections adjacent to the work area will be conducted prior to and throughout the abatement project by the Owner's ASCM in accordance with these specifications.
- C. The Abatement Contractor shall provide the required respirators and/or protective clothing to all workers and to all official representatives of the State or Federal government or other designated party who may inspect the job site.
- C. The Abatement Contractor shall cooperate fully with all aspects of the air-monitoring programs, which are conducted by the Owner's ASCM

1.08 DEFINITIONS

- A. The following words, terms and abbreviations, when used in this document, shall have the following meanings unless the context clearly indicates otherwise.
 - 1. Abatement: Procedures to decrease or eliminate fiber release from precast, spray or trowel-applied asbestos-containing building materials (includes encapsulation, enclosure and removal).
 - 2. Abatement Contractor: The Asbestos abatement contractor.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

3. Airlock: Three (3) overlapping layers of 6-mil polyethylene sheeting with weights at the bottom used to separate the rooms of decontamination enclosure.
4. Amended Water: Water to which a wetting agent is added. The wetting agent is a combination of chemicals, which aids in the penetration of the material and increases the probability of individual fiber wetting.
5. Air Monitoring: The process of measuring the fiber content (fibers of a specified size range) of a specific volume of air in a stated period of time.
6. Asbestos: A general term used to describe a group of naturally occurring hydrated mineral silicates. Including but not limited to the asbestos form varieties chrysotile (serpentine); crocidolite (reibeckite); amosite (cummingtonite-grunerite); anthophyllite; tremolite and actinolite.
7. Asbestos-Containing Materials (ACMs): Any material which contains more than one (1) percent asbestos by weight.
8. Asbestos Safety Control Monitor (ASCM): a business entity retained by the Owner, authorized pursuant to N.J.A.C. 5:23-8 to ensure compliance with the Asbestos Hazard Abatement Sub-code.
9. Asbestos Safety Technician (AST): A person certified by the New Jersey Department of Community Affairs, hired by the Asbestos Safety Control Monitor, who continuously monitors and inspects the asbestos abatement work pursuant to N.J.A.C. 5:23-8 and these specifications.
10. Barrier: Polyethylene sheeting that completely seals off the work area to prevent contamination of the surrounding area.
11. Clean Room: An uncontaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of workers' street clothes and protective equipment, also referred to as Change Room.
12. Construction Permit for Asbestos Abatement: Requires official approval to commence any asbestos hazard abatement job.
13. Critical Barrier: Two (2) layers of six (6)-mil polyethylene sheeting that completely seals off the work area to prevent the distribution of fibers to the surrounding area, such as the opening between the top of nonremovable

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lights, HVAC systems, windows, doorways, entranceways, ducts, grilles, grates, diffusers, wall clocks, speaker grilles, floor drains, sink drains, etc.

14. **Curtained Doorway:** A device to allow ingress or egress from one (1) room to another while minimizing air movement between the rooms. Typically constructed by placing three (3) overlapping sheets of plastic over an existing or temporarily-framed doorway and securing each along the top of the doorway, with the vertical edge of one (1) along one (1) vertical side of the doorway and the vertical edge of the other along the opposite vertical sides; two (2) curtained doorways spaced a minimum of three feet (one [1] meter) apart to form an airlock.
15. **Decontamination Enclosure System:** A series of connected rooms, with curtained doorway between any two (2) adjacent rooms, for the decontamination of workers or of materials and equipment. A decontamination enclosure system always contains an airlock. The decontamination enclosure system shall be constructed of two (2) layers of 6-mil poly. The decontamination enclosure system shall be lockable.
16. **Employee:** An asbestos abatement worker having proper training, instruction and licensing.
17. **Encapsulation:** Treatment of ACMs, generally ceilings, using a liquid to bond or seal the surface to minimize the potential for fiber release.
18. **Enclosure:** An airtight, impermeable barrier around asbestos containing material to control the release of asbestos fibers into the air.
19. **Equipment Decontamination Enclosure System:** A decontamination enclosure system for materials and equipment, typically consisting of a designated area of the work area, a washroom, and an uncontaminated area.
20. **Equipment Room:** A contaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of contaminated clothing and equipment.
21. **Friable:** Any material which when dry may be crumbled, pulverized, or reduced to a powder by hand pressure.

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22. Fixed Object: A unit of equipment or furniture which cannot be removed from the work area(s) and is physically attached to the structure so as not be easily removed.
23. Glove Bag: A plastic bag specially designed to contain sections of pipe for the purpose of removing short lengths of damaged asbestos material without releasing fibers into the air.
24. HEPA Filter: A high-efficiency particulate air filter capable of trapping and retaining 99.97 percent of asbestos fibers greater than zero-point-three (0.3) microns in length.
25. HEPA Vacuum: Vacuum cleaner equipped with HEPA filter(s).
26. Holding Area: A chamber between the washroom and uncontaminated area in the equipment decontamination enclosure system. The holding area is comprised of an airlock.
27. Moveable Object: A unit of equipment or furniture in the work area(s), which can be removed from the work area(s).
28. Negative Pressure: Air pressure (i.e. 0.05" wc) lower than surrounding areas, generally caused by exhausting air from a sealed space (work area).
29. NESHP: National Emission Standards for Hazardous Air Pollutants.
30. NIOSH: National Institute for Occupational Safety and Health.
31. Non-friable: Any material which when dry may not be crumbled pulverized or reduced to powder by hand pressure.
32. Owner: Person, business or organization that owns the subject property. Owner's Contact person for this project is Devang Kapadia {609} 984-0675
33. Plastic Sheeting: Polyethylene sheet material of the thickness indicated.
34. Repair: Corrective action using recommended work practices to minimize the likelihood of fiber release from small damaged areas of ACMs.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

35. Removal: The act of properly eliminating and disposing asbestos-containing or contaminated materials from a building.
36. Sealant: A liquid or solution to be used as a binding agent, such as a diluted encapsulant or a water-based paint, on dried exposed surfaces from which ACM has been removed. The color of the coat shall be separate and distinct from the underlying substrate.
37. Separation Barrier: A constructed wall (2" x 4" studs, spaced 16" on center, constructed with 1/2" plywood and caulked seams) that separates the clean area from the work area having a fire rating, if applicable, and does not interfere with the means of egress. Polyethylene sheeting (minimum 2 layers of 6 mil) shall be placed on both sides of the barrier so that it completely seals off the work area to prevent the distribution of fibers to the surrounding area.
38. Shower Room: A room constituting an airlock, between the clean room and the equipment room in the worker decontamination enclosure system, with hot and cold or warm running water suitable arranged for complete showering during decontamination. The shower room always comprises an airlock.
39. Surfactant: A chemical wetting agent added to water to improve penetration of the ACM. Surfactants are used to ensure that all ACM are thoroughly wet before removal.
40. Wet Cleaning: The process of reducing asbestos contamination in a building by using cloths, mops, or other cleaning tools, which have been dampened with amended water to decontaminate the area, and by disposing these cleaning tools as asbestos contaminated waste.
41. Washroom: A room between the work area and the holding area in the equipment decontamination enclosure system. The washroom comprises an airlock.
42. Work Area: The place in a building in which asbestos abatement occurs.

1.09 PERSONNEL REQUIREMENTS AND TRAINING

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

- A. All of the Abatement Contractor's workers must have valid training, a minimum of one (1) year's experience in asbestos abatement and a current asbestos worker's permit as issued by the State of New Jersey, and shall comply with all applicable requirements of N.J.S.A. 34:5A-32 et seq. and 29 CFR 1926.58(k) (3), as well as other non-training requirements of 29 CFR 1926.
- B. The Abatement Contractor shall furnish proof that all of the personnel on the job (supervisors and workers) have been given medical examinations as required by OSHA regulations, 29 CFR 1910 and 29 CFR 1926. As a minimum, the examination should include a chest roentgenogram, a medical history with specific reference to respiratory disease and pulmonary function tests. This information should be provided to the Owner at the hazardous material removal pre-construction meeting.
- C. The Abatement Contractor shall provide a Certified, Licensed Asbestos Supervisor to the project with a minimum of two (2) years of successful experience in Asbestos Abatement operations similar in scope and magnitude to this project. The Environmental Subcontractor shall submit copy of qualifications to owner at the hazardous material removal pre-construction meeting.

1.10 ASBESTOS CONSULTANT/ASBESTOS SAFETY TECHNICIAN

- A. The ASCM shall perform air sampling on behalf of the Owner. They shall have access to all areas of the asbestos removal project at all times and shall continuously inspect and monitor the performance of the contractor and his employees to verify that their performance complies with this specification. An Asbestos Safety Technician (AST) employed by the ASCM shall be on site at all times that work is in progress, from the initial preparation of the work area to the completion of the abatement operation. The AST is present to protect the Owner's interest and to ensure compliance of N.J.A.C. 5:23-8.20. The air sampling, monitoring and inspections made by the AST shall not relieve the Abatement Contractor of his monitoring obligations.
- B. The AST shall have the authority to require that all workers present a valid work card before entering the work site. He shall also have the authority to direct verbally and in writing the actions of the contractor to assure compliance. The AST shall have the authority to test the seal of the respirators of all who enter the work site to ensure proper fit. In matters of gross negligence or flagrant disregard for the safety

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

of others, including the possibility of contaminating the building environment and the appearance of an emergent unsafe condition at the work site, the AST shall direct such corrective action as may be necessary.

- C. The AST upon receipt of testing results indicating that concentrations above 0.010 fibers per cc have occurred within the work area during the abatement action shall report these results immediately to the contractor and to the owner's representative so that prompt corrective action may be taken. The AST shall have the authority to halt removal of asbestos in the affected work area. If abatement activities result in a release of ACMs, N.J.A.C. 5:23-8.15 shall be implemented and a permit shall be obtained.
- D. The AST shall keep a daily log of on-site observations concerning Abatement Contractor's compliance with activities required under this specification listing all deficiencies encountered. In addition, this log shall list the names of all persons entering the work area. This log shall be made available upon request at all times to the Owner's ASCM.
- E. During the removal phase, the duties of the AST shall be as follows:
 - 1. Monitoring the work area shall be provided throughout removal operations, to ensure that no contamination is occurring.
 - 2. Filters, cassettes and sampling train shall be assembled as specified in NIOSH 7400 Method and 40 CFR 763. The flow rate shall be between 1.0 and 10.0 liters per minute. The total volume shall be a volume sufficient to achieve a detection limit of 0.010 f/cc. Pumps shall be calibrated before and after sampling and a record kept of this calibration.
 - 3. The AST shall take a minimum of three (3) samples per work area, at start of work, 4 hours later and end of day; one (1) stationary sample at decontamination unit entrance/exit, one stationary sample along the waste route and the remaining samples adjacent to work area, but remote from the decontamination unit entrance. One sample shall be collected from within the work area. In the selection of adjacent areas to be monitored, preference shall be given to rooms adjacent to critical barriers and occupied areas at two (2) air samples/10,000 sq. ft of occupied space.
 - 4. The Testing Laboratory shall be a current proficient participant in the NIOSH PAT Program. The laboratory identification number shall be

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

submitted and approved by the Consultant. The laboratory technician shall be listed in the Asbestos Analyst Registry of the American Industrial Hygiene Association for PCM analysis or other NJDCA approved equivalent. Courier service must be able to delivery samples to laboratory in a timely manner and the laboratory must be able to provide results within 4-hours from the start of the sample.

5. If the Abatement Contractor's barriers or other control methods are observed to malfunction and if the Abatement Contractor does not correct the problems immediately upon notification, the Asbestos Safety Technician shall have the authority to halt removal of asbestos in the affected work area. In such a situation additional sampling of at least three (3) samples per day per area shall be performed by the Asbestos Safety Technician at the Contractor's expense.
6. The analysis of air samples (excluding final air tests) shall be done using NIOSH #7400 Method (A rules).
7. The evaluation criteria shall be 0.010 fibers per cubic centimeters.
8. A series of smoke tests shall be performed at the decontamination unit entrance/exit, by the asbestos safety technician to ensure continuous negative air pressure. Negative pressure monitoring shall be as per NJAC 5:23-8.19 using digital manometers with continuous readout before each work shift begins, and every four hours thereafter until the end of the work shift (including the end of work shift).
9. The AST shall calculate the required number of negative air filtration units for each work area. This calculation shall be made whenever the volume of the work area changes. The Asbestos Safety Technician shall inform the Owner's Representative and the Abatement Contractor of any discrepancies between the number of units required and those in operation within the work area. The pressure differential shall be greater than or equal to 0.05 inches w.c. at the decon. If the differential drops below 0.05 inches w.c. at the decon the Contingency Plan shall be followed.
10. A record shall be kept in a daily log of all on-site observations, inspections and required activities.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

11. The AST shall ensure that all asbestos waste shall be removed from the work site daily unless it is placed in a locked, secure container outside of the work area until removal by a registered waste hauler.
12. The AST will determine the number of air exchanges required for the given work area. The contractor will supply the correct number of HEPA air filtration units to achieve a complete air change or total filtration within the work area at least once every 15-minutes. Each air filtration device will exhaust directly to the exterior.

F. Final Certification tests shall be conducted as follows:

1. Within 24 hours after final cleanup, a visual inspection and a final air test shall be performed by the AST for the Owner. Sufficient time following clean-up activities shall be allowed so that all surfaces are dry during monitoring. At least 12 hours shall be allowed to pass after any wet cleaning has been done before the post-removal tests are begun.
2. Normal occupancy use conditions shall be simulated using aggressive sampling techniques.
 - a. **Transmission Electron Microscopy:** Minimum requirements: five (5) samples collected inside the abatement area, five (5) ambient samples, two (2) field blanks, and one (1) sealed blank. Sampling and analysis must be completed according to the protocol outlined in 40 CFR 763. The work area will be considered clean if either the arithmetic mean of the asbestos structure concentrations of the five samples collected inside the work area is equal to or less than 70 structures per square millimeter (s/sq mm); or the two blank samples have an arithmetic mean of the asbestos structure concentration on the blank filters that is less than or equal to 70 s/sq mm and the average airborne asbestos concentration measured inside the abatement area is not statistically higher than the average airborne asbestos concentration measured outside the abatement area.

G. Final inspection shall be conducted by the Asbestos Safety Technician as follows:

1. Upon notice by the Abatement Contractor to the ASCM, and at least 48 hours after the removal of the critical barriers, a final inspection shall be made to ensure the absence of any visible signs of asbestos or asbestos

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

containing materials and that all removed asbestos and asbestos contaminated materials have been properly disposed of off-site.

2. Acceptable airborne fiber levels from PCM or TEM clearance analysis have been attained.
 3. The AST shall ensure that all asbestos waste has been removed from the work site by a registered waste hauler.
- H. The AST shall prepare a comprehensive final report, including daily logs, required inspection reports, observations and air monitoring results. The AST shall maintain the report as a permanent record and present a copy to the Owner.

1.11 CONTINGENCY PLAN

- A. Contingency plan during full abatement in work areas shall be implemented as described below. If the pressure differential drops below 0.05 inches w.c., these are the minimum requirements, which shall be enforced by the AST. These requirements shall not limit the AST from instituting additional requirements, if necessary, for the protection of the building occupants. The following procedures shall be implemented:
1. The AST and the Abatement Contractor supervisor shall investigate and evaluate the engineering controls to determine the source of the pressure loss.
 2. The Abatement Contractor shall institute corrective action such as: additional sealing, critical barrier maintenance and construction, changing of exhaust unit filters, adjustment of make-up air, operation of additional exhaust units or other necessary measures to reestablish and acceptable pressure differential.
- B. If the pressure differential drops below 0.01 inches w.c., these are the minimum requirements, which shall be enforced by the AST.
1. The Abatement Contractor shall cease abatement activity in the work area.
 2. The AST shall notify the building Owner to evacuate the pressurized spaces. The pressurized spaces shall include all space outside the work area which is pressurized to maintain the required pressure differential

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

relative to the work area and is isolated from the rest of the building in terms of airflow. The pressurized space may include the entire building exclusive of the work area or any part of the building that is pressurized to isolate it from the work area.

3. The AST and the contractor supervisor shall investigate and evaluate the engineering controls and determine the source of the pressure loss.
3. The Abatement Contractor shall institute corrective action such as: additional sealing, critical barrier maintenance and construction, changing of exhaust unit filters, adjustment of makeup air, operation of additional exhaust units or other necessary measures to reestablish an acceptable pressure differential.
4. Re-occupancy shall not be permitted in any area unless a pressure differential of 0.05 inches w.c. or greater is reestablished.
5. If a pressure differential of 0.05 inches w.c. or greater is not reestablished within 24 hours of the first reading below 0.01 inches w.c., then the building shall be evacuated.

C. If air levels exceed 0.010 f/cc, the following procedures shall be implemented:

1. The AST and the contractor supervisor shall investigate and evaluate the engineering controls to determine the source of the high air level.
2. An additional/second PCM air sample shall be taken at each place at which a high air level was obtained. The additional/second PCM sample may be split, and if the result of the air sample is less than or equal to 0.010 f/cc the contingency plan is terminated. If the result of the air sample exceeds 0.010 f/cc, the contractor, in consultation with the asbestos safety control monitor, shall choose the option of cleaning and retesting by PCM analysis or analyzing the split sample by TEM analysis. If the result of the TEM analysis exceeds 0.010 f/cc, then cleaning shall be undertaken.
3. The decision as to the timing of the cleaning activity shall be made by the ASCM in consultation with the building Owner and Abatement Contractor.

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

4. Cleaning shall include, but not be limited to, wet wiping and misting the air. Cleaning the affected area shall be continued outside of containment and PCM sampling shall also be continued until the result in the area is equal to or less than 0.010 f/cc by either PCM or TEM analysis.
5. If laboratory analysis of air samples does not yield a reading less than or equal to 0.010 f/cc within 24 hours of receipt of the first test result above 0.010 f/cc, then the building shall be evacuated.
6. Re-occupancy shall not be permitted in any area where PCM analysis reveals results greater than 0.010 f/cc, unless TEM results indicate asbestos fibers are equal to or less than 0.010 f/cc. In the case of re-occupancy, all air samples used to make the determination to allow reentry shall be analyzed by an accredited laboratory.

D. Security shall be required as follows:

1. If warranted, the Contractor, as his sole expense shall provide a 24-hour security guard to ensure protection against damage or vandalism to separation barriers, engineering systems, monitoring devices, or other equipment.
2. The Owner and Contractor shall provide continuous unlimited access for the asbestos safety technician in all occupied spaces for installation, maintenance, and data collection from monitoring systems.
3. The Abatement Contractor shall include provisions in the plan and the Asbestos Safety Technician shall ensure that filters are changed as necessary and that pressure differential is maintained around the clock until the project is completed.

E. Waste removal shall be accomplished as follows:

1. The waste removal route of travel is to be designated on the abatement plans and shall be separate and distinct from the normal route of travel used by building occupants. Waste removal shall occur during the time of least amount of building occupancy. If the route of travel is to be used the following day by building occupants, air monitoring must be performed, and if the results of air levels exceed 0.010 f/cc, then the waste removal route is to be wet wiped using amended water, HEPA vacuumed and

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retested until an acceptable air level is achieved prior to allowing occupancy of the area.

2. The waste removal process shall be closely monitored visually and through air sampling by the asbestos safety technician.
3. No dumpster shall remain on the premises overnight unless the dumpster is locked and labeled to indicate that it contains asbestos-contaminated waste.

- F. A written statement shall be signed by the ASCM denoting that an asbestos abatement will occur during building occupancy and verifying that the above requirements will be maintained. This written statement shall accompany the application for a construction permit for asbestos abatement and shall be filed with the enforcing agency. This statement shall include the areas to be occupied during the abatement and the number of occupants.

2.0 PART 2—PRODUCTS

2.01 QUALITY

- A. Brand Names and Approved Equals

1. The Abatement Contractor shall use generally accepted brand name materials specified or an approved equal. The same materials shall be used throughout the project.
2. Brand names and/or descriptions used in this specification for bid proposal are to acquaint prospective bidders with the type of equipment described (or commodity) and will be used as a standard by which alternate or competitive materials offered will be judged. Competitive items must be equal to the standard described and be of the same reputation for quality and workmanship. In the absence of any changes by the bidder, it will be presumed and required that materials as described in these specifications or comparable equivalent be delivered.

2.02 MATERIALS

- A. The wetting agent shall be BWE 5000 as manufactured by Better Working Environments Inc. of San Diego OR an approved equal.

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1. Encapsulating material shall be bridging and/or penetrating in nature and must be applied in two coats. Acceptable encapsulants shall be TRI-COTE AE as manufactured by the United Products Corporation of Little Rock Arkansas OR A-B-C Asbestos Binding Compound as manufactured by California Products Corporation of Cambridge Massachusetts.
 2. Cement to be used to seal ends, tears and penetrations shall be fire-rated and asbestos-free as manufactured by CHILDERS or an approved equal, if applicable.
 3. Framing materials shall consist of two (2)-by-four (4) studs and sections of three-quarter-inch (3/4") plywood from first quality lumber.
 4. The Abatement Contractor shall use only polyethylene sheeting with a minimum thickness of six (6) mil, applying two (2) layers to floors and one (1) layer to walls with appropriate overlap (see 5:23-8.15).
 5. The use of drums is permissible as long as said drums contain lining that is leak-proof. The exterior of drums must have clear and permanent labeling and labeling specified by OSHA and EPA regulations.
 6. All waste shall be discarded in properly labeled and six (6)-mil thick polyethylene double bags.
 7. Asbestos warning signs shall be in English script and placed in areas as required by OSHA and the EPA.
 8. All tape shall be of high quality polyethylene film tape #827 as manufactured by the Kendall Company, Polyken Division of Boston, Massachusetts or equivalent.
 9. Spray adhesive may be used as manufactured by the 3-M Company or equivalent.
- B. Disposable Clothing: Shall be of the same composition as Dupont's Tyvek or Kimberly Clark's Duraguard or equivalent
- C. All materials used in separation barriers must meet the NJUCC requirements for this building and all plastics must be flame resistant.

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2.03 TOOLS AND EQUIPMENT

- A. All vacuum equipment to be used shall have HEPA filtering systems. Such vacuums shall be similar if not equal to the system manufactured by NILFISK of America headquartered in Malvern, Pennsylvania.

3.0 PART 3—EXECUTION

3.01 GENERAL

- A. This section covers the furnishing of all labor, materials, facilities, equipment, services, employee training and testing, permits and agreements necessary to perform the work required for asbestos abatement in accordance with these specifications, USEPA, OSHA Regulations, NIOSH recommendations, State of New Jersey Regulations, and any other applicable federal, state, and local government regulations. Whenever there is a conflict or overlap of the above references, the most stringent provisions shall apply.

3.02 DESCRIPTION OF WORK

- A. NEW JERSEY SUBCHAPTER 8, ASBESTOS HAZARD ABATEMENT SUBCODE N.J.A.C. 5:23 - 8.1 - TO - 5:23 - 8.22 shall be the rules for this project, as well as Occupational Safety and Health Administration (OSHA) regulations 29 CFR Part 1910. 1001 and 29 CFR 1926.1101, et al and National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61.
- B. The building will be occupied during abatement.
- C. Remove all ACMs identified in Section 1.01 A. (Refer to Figure 1 locations). The friable insulation abatement shall be conducted under 8:17 Limited Containment.
- D. It shall be the Abatement Contractor's responsibility to verify quantities and locations of ACMs identified in the scope of work. The quantities and locations shown are for informational purposes only. The Owner, Project Manager, Architect, ASCM and/or Brinkerhoff assume no responsibility for their accuracy, the accuracy of quantities/descriptions of materials, or the accuracy of descriptions of existing conditions. Prospective bidder should bid this project according to what is observed during a pre-bid inspection.

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- E. It shall be the Abatement Contractor's responsibility to make necessary modifications to the windows of the building for the negative air filtration device. It shall also be the Abatement Contractors responsibility to return the window back to the original condition.
- F. Removal of all tape adhesives and repair of any damage to the building, restoring surfaces to their original condition.

F. SEQUENCE OF WORK - FRIABLE ASBESTOS:

- 1. Sequence of Work shall be as follows:
 - a. The Abatement Contractor will insure that prior to abatement preparation that all movable objects have been removed from the abatement area and all existing ventilating systems in the Work Area are shut-down sealed throughout the removal operation. An alternate system must be utilized.
 - b. The Abatement Contractor will restrict access to areas where abatement is to take place from remainder of the building with the use of separation barriers.
 - c. All HVAC systems located in the work area shall be shut down. If HVAC equipment is located in the work area and must be operated to service other areas of the building, then the HVAC equipment shall be isolated from the remainder of the work area by an enclosure constructed in a manner similar to the separation barriers and the space between the equipment and the seal shall be positively pressurized with HEPA filtered air to at least .05 inches w.c. greater than the work area.
 - c. The Abatement Contractor shall pre-clean the abatement area by HEPA vacuuming all surfaces.
 - d. The Abatement Contractor will construct to operational all final barriers, seals, and decontamination chambers as directed by the Asbestos Safety Technician.
 - e. The Abatement Contractor will contact the NJDOH, local building department and the AST for inspection and approval.

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- f. The Abatement Contractor shall give the AST in writing 24 hours notice requesting a pre-commencement inspection.
- g. Amended water shall be used to wet all ACMs.
- h. The ASCM shall perform final air testing after a 24 hour waiting period from any wet wiping or cleaning. The final air tests will be performed by Transmission Electron Microscopy. The testing and analysis shall be done in compliance with 40 CFR 763 and NJAC 5:23-8.21. If the results are higher than the allowable threshold the Abatement Contractor will re-clean the abatement area and the testing firm must re-test. This sequence will continue until the test results are acceptable.
- i. Once the appropriate air testing results are met, the Abatement Contractor will remove all critical barriers inside the abatement area. No tape, polyethylene sheet plastic or other construction debris can remain in the abatement area after this cleaning.
- j. The AST will perform a final visual inspection of the abatement area. The AST must notify state inspectors 24 hours prior to the final visual inspection.

G. METHOD OF REMOVAL

- 1. Boiler Insulation– NJAC 5:23-8.15, 8.19 8:17 Limited Containment.

3.03 STANDARD OPERATING PROCEDURES

- A. The Abatement Contractor shall develop and implement a written standard procedure for abatement work to ensure maximum protection and safeguard from asbestos exposure of the workers, occupants, visitors, general public, and the environment.
- B. The standard operating procedure shall ensure:
 - 1. Tight security on a 24-hour basis from unauthorized entry into the workspace.

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2. Removal of asbestos in a manner that prevents the release of fibers.
3. Safe work practices in the work place, including provisions for inter-room communications, exclusion of eating, drinking, smoking, or in any way breaking respiratory protection.
4. Proper protective clothing and respiratory protection prior to entering the workspace from the outside.
5. Packing, labeling, loading, transporting, and disposing of contaminated material in a way that minimizes exposure and contamination.
6. Proper exit practices from the workspace to the outside through the showering and decontamination facilities.
7. Emergency evacuation for medical or safety (fire and smoke) so that exposure will be minimized.
8. Safety from accidents in the workspace, especially from electrical shocks, slippery surfaces, and entanglements in loose hoses and equipment.
9. Provisions for effective supervision, air monitoring and personnel monitoring for exposure during the work.
10. Engineering systems that minimize exposure to fibers in the workspace.

3.04 WARNING SIGNS, LABELS, AND POSTERS

- A. Erect English and Spanish warning signs seven (7) days prior to abatement around the work space and at every point of potential entry from the outside, with the words "Danger Asbestos Hazard, Do Not Enter". The warning signs shall be a bright color so that they will be easily noticeable. The size of the sign and the size of the lettering shall be no less than OSHA requirements. Warning signs shall be posted at the entrance to the work area and around its perimeter at intervals of no more than (25) feet.
- B. Provide the OSHA required labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.

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- C. Provide any other signs, labels, warnings, and posted instructions that are necessary to protect, inform and warn people (i.e. 20-day prior notice to occupants with the notice being posted seven (7) days prior to start of work) of the hazard from asbestos exposure. Post in a prominent and convenient place for the workers a copy of the latest applicable regulations from OSHA, the USEPA, and NIOSH.

3.05 EMERGENCY PRECAUTIONS

- A. Establish emergency and fire exits from the work area. Post these in the administrative area on the work site. Clearly mark/highlight kick-out panels in separation barriers. Provide copies to the Owner and keep current.
- B. The Abatement Contractor shall be prepared to administer first aid to the injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, precautions shall be taken to reduce airborne fiber concentrations (i.e. misting of the air with water) until the injured person has been removed from the work area.
- C. Before the Abatement Contractor starts the removal of asbestos materials, the local police and fire departments shall be notified by the Abatement Contractor as to the danger of entering the work area. The Abatement Contractor shall make every effort to help these departments form plans of action should their personnel need to enter the contaminated area.

3.06 OWNER AND ABATEMENT CONTRACTOR RESPONSIBILITIES

- A. The Abatement Contractor shall clean with wet cloths and/or with HEPA vacuums as appropriate all movable items that can be removed from the work area without disrupting the asbestos material. This shall include furniture, equipment, drapes, and curtains. The cloths used for cleaning shall be disposed of as asbestos contaminated waste.
- B. During this period, the Abatement Contractor shall be responsible in all areas affected by his operation for:
 - 1. Building Security - Fire and smoke detection systems;
 - 2. Maintaining the existing building and utility systems such as plumbing or electrical installations; and

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3. The Abatement Contractor shall provide security to prevent unauthorized entry into the work area, and maintenance of decontamination chambers, isolation barriers and negative air machines 24 hours, 7 days a week.
- C. Should the failure of any utility occur, the Owner would not be responsible to the Abatement Contractor for loss of time or any other expense incurred.
- E. The Abatement Contractor is required to protect workers who must enter confined spaces, in accordance with 29 CFR 1910.120 (b) (1) (iv) and all applicable regulations.
- F. The Owner will have authorized personnel on site (i.e. custodial staff, security personnel, etc). Such personnel shall have access to all areas and have knowledge of electrical and air handling equipment. Such personnel shall assist Abatement Contractor in case of any power failure or breakdown to shut down air supply systems, to reset and control all protective systems such as alarms, sprinklers, locks, etc. The Owner shall insure no active air handling systems are operating within the work area.

3.07 USE OF BUILDING FACILITIES

- A. The Owner shall make available to the Abatement Contractor all required amounts of water and electric power located at the site at no charge.
- B. The Abatement Contractor shall provide all electrical, water, and waste connections, tie-ins, extensions, and construction materials and supplies.
- C. The Abatement Contractor shall provide a separate temporary electric panel board to power his equipment. The Owner shall designate an existing power box in close proximity to the work area. Abatement Contractor's licensed electrician shall provide temporary tie-in via cable, outlet boxes, junction boxes, receptacles and lights, all with ground fault interruption. All temporary electric shall be in accordance with OSHA Regulations, specifically but not limited to CFR 1926 Subpart K.
- D. Abatement Contractor shall provide fire protection in accordance with all State and Local fire codes.

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- E. When temporary services lines are no longer required, they shall be removed by the Abatement Contractor. The Abatement Contractor, in a manner satisfactory to the Abatement Contractor, shall restore any parts of the permanent service lines, grounds and buildings, disturbed or damaged by the installation and/or removal of the temporary service lines, to their original condition.
- F. Abatement Contractor shall provide hot shower water necessary for use in the decontamination unit.
- G. All electrical systems in the work area shall be shut down. Use of such systems may be authorized by AST pending proper protection by ground fault circuit interrupters, and systems are cleanable.
- H. Abatement Contractor shall supply and maintain portable toilets.

3.08 USE OF PREMISES

- A. The Abatement Contractor shall confine his apparatus, the storage of materials, and supplies, and the operation of his workmen to limits established by law, ordinances, and the directions of the Owner. All flammable or combustible materials shall be properly stored to obviate fire and in areas approved by the Owner.
- B. The Abatement Contractor shall assure that exits from the building are not obstructed, that appropriate safety barriers are established to prevent access, and that work areas are kept neat, clean, and safe.
- C. All surrounding work, fixtures, soil lines, drains, water lines, pipes, electrical conduit, wires, utilities, railings, shrubbery, landscaping, etc. which is to remain in place shall be carefully protected and, if disturbed or damaged, shall be repaired or replaced as directed by the Owner, at no additional cost.
- D. The Owner and the ASCM shall first approve any or all routes through the building to be used by the Abatement Contractor.
- E. Replace or repair any items damaged, due to work performed under this contract, equal to their original construction and finish at no additional cost. Repaired or replaced items will be subject to the Owner's approval.

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- F. No materials shall be thrown from windows or doors of buildings. Building waste system shall NOT be used to remove refuse.
- G. Debris shall be removed from the site daily. Premises shall be left neat and clean after each work shift, so that work may proceed the next regular workday without interruption.
- H. Fines of \$500.00 per incident may be levied if the above is not complied with.
- I. Protect floors along removal routes from damage, wear and staining.

3.10 RESPIRATORY SYSTEMS

- A. Provide all workers, foremen, superintendents, authorized visitors and inspectors personally issued and marked respiratory equipment approved by NIOSH and OSHA. When respirators with disposable filters are employed, provide sufficient filters for replacement as necessary by the worker.
- B. The Abatement Contractor shall require that each person entering the Work Area wear an approved respirator and protective clothing. There shall be no exceptions to this rule.
- C. Respiratory protection shall be in accordance with OSHA Regulation 1910.1001 (d), OSHA Regulation 1910.134 and ANSI z88.2-1980. Respirators chosen shall also be approved by NIOSH under the provisions of 30 CFR Part. 11.
- D. Respiratory protection shall be determined by airborne fiber concentration (fibers per cubic centimeter of air).
- E. At a minimum, respiratory protection shall be:
 - 0.01 - 1.0 f/cc - Dual Cartridge, Air Purifying respirator with HEPA cartridge.
 - 1.0 - 10.0 f/cc - Powered Air Purifying respirator with HEPA cartridge.
 - 10.0 and above - Type C supplied air pressure demand respirator.
- F. NO PERSON is to be permitted into the work area without proper protection. No disposable dust masks shall be used at any time.

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- G. All personnel engaged in asbestos abatement procedures requiring an air-purifying respirator shall have an unobstructed face/mask seal (i.e., no facial hair).

3.11 PROTECTIVE CLOTHING

- A. Provide to all workers, foremen, superintendents and authorized visitors and inspectors protective disposable clothing consisting of full-body coveralls, head covers, gloves and 18 inch high boot type covers or reusable footwear.
- B. The Abatement Contractor shall require that each person entering the Work Area wear an approved respirator and protective clothing. There shall be no exceptions to this rule.
- C. Provide eye protection and hard hats as required by job conditions and safety regulations.
- D. Reusable footwear, hard hats and eye protection devices shall be left in the "contaminated Equipment Room" until the end of the asbestos abatement work.
- E. Disposable protective clothing shall be discarded and disposed of as asbestos waste every time the wearer exits from the workspace to the outside through the decontamination facility.
- F. Disposable protective clothing shall be discarded and disposed of as asbestos waste every time the wearer exits from the workspace to the outside through the decontamination facility.
- G. The Abatement Contractor shall also maintain sufficient supply of all other related items such as towels and soap.

3.12 AIR MONITORING-ABATEMENT CONTRACTOR

- A. The Abatement Contractor shall employ a certified laboratory and NIOSH-certified air test technician or other certified personnel to conduct air sampling and analysis in accordance with OSHA Regulations, 29 CFR, 1910.1001 (Asbestos Standard for General Industry), 1926.58 (Asbestos Standards for Construction), and 1910.134 (Respirator Standard).

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- B. The Testing Laboratory shall be a current proficient participant in the NIOSH PAT Program. The laboratory identification number shall be submitted and approved by the ASCM.
- C. The Abatement Contractor shall require a competent person to perform the following functions:
 - 1. Monitor the set up of the work area enclosure and ensure its integrity.
 - 2. Insure that employees are adequately trained in the use of proper work practices, proper personal protective equipment and in decontamination procedures.
 - 3. Insure that employees use proper work practices, proper personal protective equipment and proper decontamination procedures.
 - 4. Supervise all employee exposure monitoring. Such monitoring shall comply in all respects with OSHA Regulation 1926.58 Appendix A.
 - 5. Conduct air sampling as per OSHA 1926.58 and as described herein.
- D. Air monitoring and inspection of the Abatement Contractor's employees shall be conducted under the supervision of the Abatement Contractor's competent person.
- E. Continuous air monitoring and inspections will include personal samples from the breathing zone of a laborer to establish eight (8)-hour time weighted average (TWA).
- F. Sampling and analyses shall be performed in accordance with the NIOSH #7400 method.
- G. Air sample results shall be faxed daily to the Owner's Representative within 24 hours followed by written results posted on the job site within 48 hours after the samples have been taken. Results shall be inscribed on official letterhead.
- H. All costs for required air monitoring by the Abatement Contractor's competent person shall be paid by the Abatement Contractor.

3.13 DISPOSAL OF ASBESTOS WASTE

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- A. This subsection shall apply to the removal of asbestos from the job site and the disposal of asbestos waste.

NOTE: ALL ASBESTOS WASTE GENERATED MUST BE DISPOSED OF AT A LANDFILL REGISTERED TO ACCEPT ASBESTOS CONTAINING BUILDING MATERIAL.

- B. The Abatement Contractor is required to give a notice 10 days prior to the disposal to the New Jersey Department of Environmental Protection, Division of Waste Management, Bureau of Field Operations. In addition, all disposal procedures must comply with CAA 112, 42 U.S.C 7412, and 40 CFR 61.156, NJAC 7:26

- C. Disposal of asbestos waste shall be conducted as follows:

1. All asbestos waste materials destined for disposal shall be wetted and packaged in permanently sealed, leak tight containers (such as fiber or steel with visible labels) before it can be transported and disposed. Bag-out procedures will be conducted during hours least occupied. No hauling of loose asbestos or asbestos contaminated debris is permitted.
2. A locked, secure container shall be provided if asbestos waste is to be stored outside unattended.

- D. Notify ASCM in writing at least 48 hours prior to the time of offsite removal of contaminated waste to the landfill. The ASCM may elect to observe this operation.

- E. The waste hauler must possess a valid solid waste transporter registration. A licensed solid waste transporter shall be a commercial collector/hauler or shall be the removal company if they are so registered.

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- F. If rough surfaces or other materials are present in the load which could potentially puncture the permanent containers, then those containers shall be enclosed in temporary fiber or steel drums during loading, transport and unloading operations. In addition, asbestos waste shall not be loaded into or hauled with vehicles containing collection devices.
- G. Use only enclosed or covered trucks to haul impermeable containers to prevent loss or damage to containers in route to sanitary landfill.

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- H. Allow only sealed plastic bags or impermeable containers to be deposited in landfill. Leave damaged, broken or leaking plastic bags in the impermeable containers and deposit entire container in landfill. Obtain prior approval from appropriate regulatory officials before disposing contaminated materials from high-pressure vacuum collection system in the approved landfill.
- I. Ensure that there are no visible emissions to the outside air from site where materials and waste are deposited.
- J. Abatement Contractor may recycle uncontaminated impermeable containers after removal of any current project identification.

3.14 PERMITS, NOTIFICATIONS, LICENSES

- A. The Abatement Contractor shall maintain the required number of qualified personnel on site to complete project on schedule.

NOTE: ALL ENVIRONMENTAL SUBCONTRACTOR EMPLOYEES MUST POSSESS A VALID NJ ASBESTOS REMOVER/LABORER'S PERMIT AND MAKE AVAILABLE TO THE OWNER, CONSULTANT, NJ DCA, NJ DOL AND NJ DOH THESE PERMITS UPON REQUEST AT THE PROJECT SITE. ALL EMPLOYEES MUST HAVE A MINIMUM OF AT LEAST 12 MONTHS EXPERIENCE IN ASBESTOS ABATEMENT IN THE STATE OF NEW JERSEY.

- B. The Abatement Contractor is responsible for obtaining necessary permits from the local and/or state agencies. The ASCM may provide assistance, as appropriate.

3.15 INSPECTIONS

- A. The AST will perform inspections throughout the entire asbestos abatement project. The AST inspections are as follows:
 - 1. Pre-commencement inspections by the AST will occur prior to each phase of abatement. The AST will observe and will check compliance of the following:
 - a. Critical/separation barriers in place;
 - b. AFD units in place and operating;
 - c. Notifications, variances, permits and licenses in place;

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- d. Waste container on site and labeled;
 - e. OSHA signs posted;
 - f. Emergency plans and numbers posted;
 - g. Decontamination chamber in place and operating;
 - h. Poly on walls and floor and ceiling;
 - i. Proper supplies of bags, suits, filters, towels, masks and other equipment;
 - j. Proper shutdown of the HVAC systems; and ground fault interrupters are in place outside of the work area and operable
- 2. Progress Inspections by the AST will occur a minimum of twice per work shift at random times, as per New Jersey Subchapter 8 rules and regulations.
 - 3. Cleanup inspections will occur as work progresses to ensure that the work area is clean and that no asbestos containing materials are left exposed. Equipment must also be placed in an orderly fashion to promote means of ingress and egress.
 - 4. Pre-sealant inspections shall take place after all exposed surfaces have been wet-wiped and are found cleaned. The Environmental Subcontractor shall notify the AST that an inspection is requested 48 hours prior to the actual inspection time. The AST shall, in writing, notify the Abatement Contractor and Owner of the results of the inspection.
 - 5. During any inspection by State or Federal agencies, the Abatement Contractor must have a supervisor present.
 - 6. The New Jersey Department of Community Affairs and the New Jersey Department of Labor are authorized to make unannounced and periodic inspections during the entire abatement process to observe AST and Abatement Contractor compliance with applicable statutes.

3.16 DECONTAMINATION FACILITIES AND PROCEDURES

A. Decontamination Chamber

- 1. The decontamination facility shall be constructed of two-inch (2") by four-inch (4") by eight (8) feet wooden framing and two (2) layers of six (6)-mil poly-sheeting on all sides. The outside door shall also contain a

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fusible link to the manometer. The fusible link shall be set up to be activated when the pressure differential drops below 0.05 inches w.c.

2. Airlocks shall be installed between contaminated area, equipment room, shower room, and clean room. Air locks shall consist of three (3) layers of six (6) mil poly each and shall be alternately secured. Each airlock shall be weighted down.
3. All individual chambers shall be at least four (4) feet square to allow access with a stretcher in the event of emergencies.
4. The shower shall have both hot and cold-water receptacles, liquid shampoo and liquid soap, both in plastic containers, so that workers and visitors can decontaminate prior to entering the clean room.
5. The Abatement Contractor shall provide all connections for water and electrical hook-ups necessary to perform the work described in this specification.
6. The Clean Room shall contain an area where street clothes, towels, and cleaned respirators can be stored. The Abatement Contractor shall maintain an adequate supply of towels and soap for visitors and inspectors at all times.
7. The Equipment Room shall be provided by the Abatement Contractor where work materials, footwear, and contaminated work clothing can be stored.
8. The decontamination chamber shall be located in the area designated by the ASCM.
9. During abatement operations, the Abatement Contractor shall be allowed to use the decontamination chamber for waste egress.

B. Decontamination Sequence - Personal

1. ALL workers and visitors who will enter the work area shall remove all street clothes, put on clean overalls, and respirators while in the clean room. The person will then proceed through the showers and dirty (equipment) room and enter the work area.

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2. Before leaving, the worker will remove all gross contamination with the use of HEPA vacuums. With the help of another worker, the person shall remove disposable clothing. Contaminated clothing shall be placed in labeled poly bags and left in the work area until completion of the project.
3. The worker then proceeds to the shower room. Respiratory protection shall still be worn while showering. Such protection shall be removed after the person has completely showered to prevent inhalation of asbestos fibers.
4. After showering, the person moves to the clean room and dresses in either new coveralls for reentry or street clothes, if leaving.
5. NO EATING, DRINKING, SMOKING OR CHEWING SHALL OCCUR IN THE WORK AREA OR DECONTAMINATION CHAMBER.
6. Footwear that is not readily cleanable shall remain in the equipment room and, at the end of the project, will be discarded as contaminated waste.
7. NO EXCEPTIONS TO THESE DECONTAMINATION PROCEDURES WILL BE ALLOWED!!!

3.17 PROJECT CLOSE-OUT

- A. Prior to Owner's acceptance and final payment for the Work covered under this Specification Section, the Abatement Contractor shall submit to the Owner and ASCM the following documentation:
 1. Security and safety logs showing names of persons entering workspace, date and time of entry and exit, record of any accident, emergency evacuation, and any other safety and/or health incident.
 2. Waste Disposal Documentation: Submit copies of waste disposal documentation (i.e., Bills of Lading, Hazardous Waste Manifest).
 3. Air Monitoring Results Upon Request submit monitoring results and daily reports to the owner, which are to be signed by the person performing the air monitoring and the laboratory employee certifying the analysis.
 5. The Abatement Contractor is responsible for repairing damage caused during the above Scope of Work.

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6. Payment of any fines, expenses or fees incurred by the Owner.
- B. All documents submitted are subject to review and approval by the ASCM before final payment is authorized by the Owner for the Work of this Section.

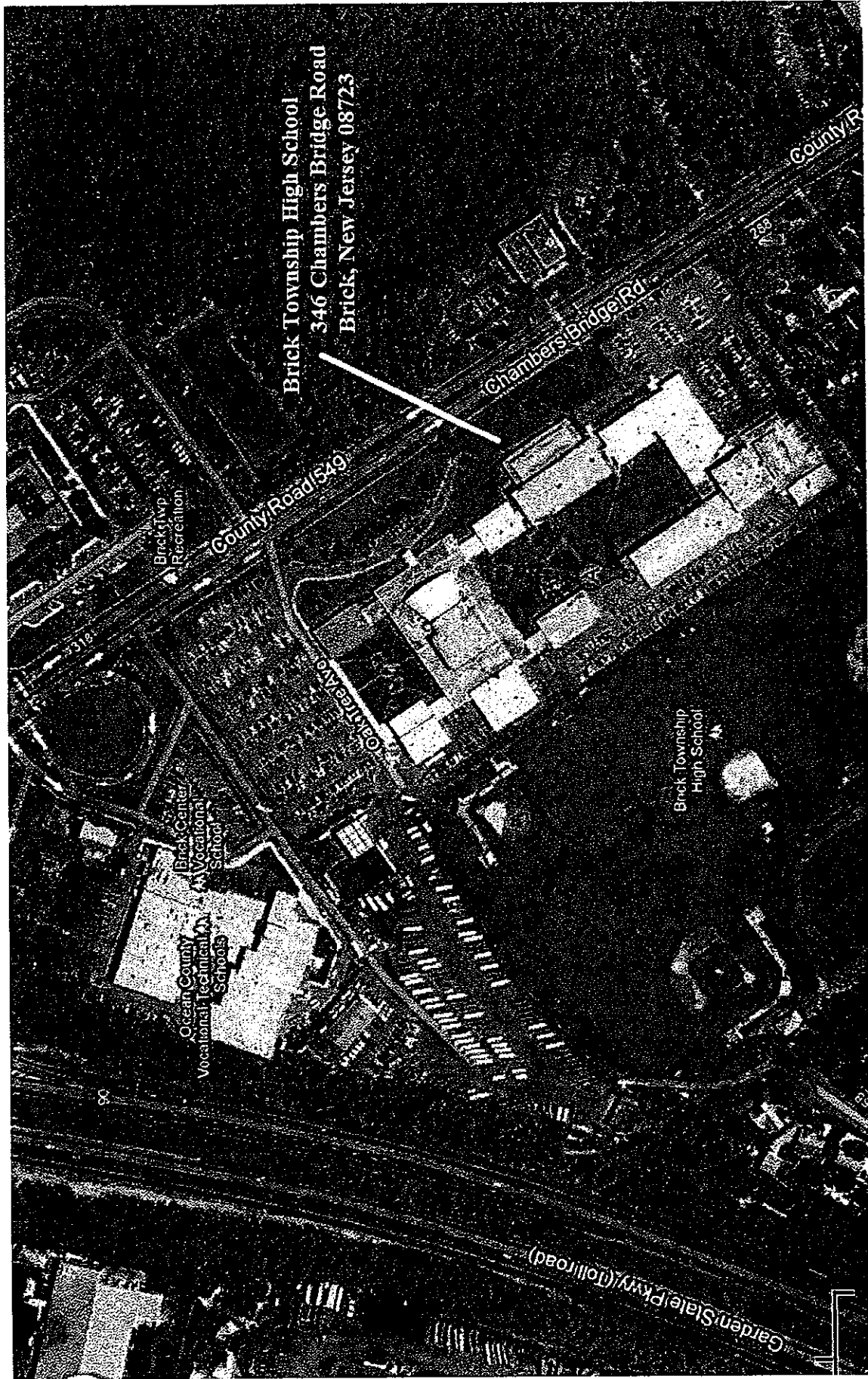
END OF ASBESTOS SPECIFICATION

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APPEDIX I

Site Plan

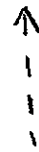
Site Plan



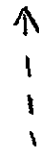
BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

APPEDIX II

Floor Plan



= WORKER / WASTE FORESS



NOT TO SCALE

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

APPEDIX III

Asbestos Hazard Assessment



January 12, 2012

Mr. Daniel F. Newman Jr.
Municipal Building
401 Chambers Bridge Road
Brick Township, NJ 08723

Re: Brick Township High School
346 Chambers Bridge Road
Brick, New Jersey 08723
Brinkerhoff Project No. 11BR217

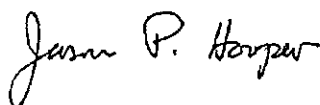
Dear Mr. Newman:

Thermal system insulation (TSI) in the form of boiler jacket at the above-listed school facility has been assumed to be an asbestos-containing material (ACM). As part of a necessary repair, approximately 85 square feet of TSI will be abated in accordance with NJAC 5:23-8 for occupied buildings. Brinkerhoff Environmental Services, Inc. (#00100) will serve as ASCM for this project.

Please contact me with any questions.

Respectfully submitted,

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.



Jason P. Hooper
EPA/AHERA Inspector/Project Designer

33016

National Asbestos & Environmental Training Institute

CERTIFICATE OF COMPLETION

AHERA/EPA Accredited Per 40 CFR Part 763
Asbestos Accreditation under TSCA Title II

This is to certify that

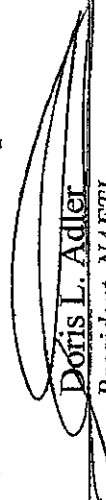
Jason P. Hooper

Successfully completed the course entitled

**1/2-Day New York State/EPA/AHERA Asbestos Building Inspector Annual Refresher on
April 20, 2011**

Examination Passed April 20, 2011

Expiration Date on April 20, 2012


Doris L. Adler
President, NAEI

Per 10 NYCRR Part 73.2 (L) (1), DOH 2832 Certificate of Completion of Asbestos
Safety Training is the only official record of training for N.Y.S. students.

Language: English

ABIH 1/2 CM POINT

3321 Doris Avenue, Building B, Ocean, NJ 07712

Phone (732) 531-5571

Fax (732) 531-5956

www.naeti.com

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

APPEDIX IV

Abatement Contractor License

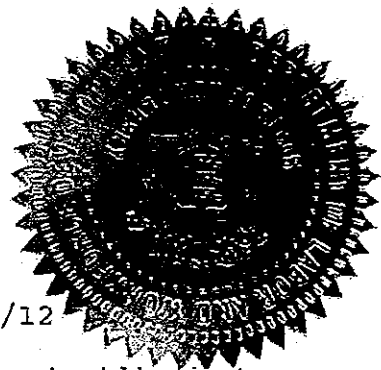
STATE OF NEW JERSEY
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH
ASBESTOS CONTROL & LICENSING SECTION

ASBESTOS LICENSE

LICENSE NUMBER: 00378

ISSUE DATE 10/05/11

EXPIRATION DATE: 10/06/12



THIS LICENSE has been issued in accordance with and is subject to the provisions of the Asbestos Control and Licensing Act, I.S.A. 34:5A-32 et seq.

Employer: B & G Restoration Inc.

Address: 105 Ryerson Road

Lincoln Park NJ 07035

Responsible Individual: Type "A" LICENSE to perform any type of asbestos work

This license is VALID ONLY FOR THE EMPLOYER NAMED HEREIN and must be readily available at the work site for inspection by the Commissioners of Labor and Workforce Development and Health & Senior Services and the contracting agency.

Branko Vucenovic, President

Harold J. Winters

Commissioner

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

APPENDIX V

Owner's Letter to Occupants

**NOTICE TO ALL STAFF AND OCCUPANTS OF
Brick Township High School
346 Chambers Bridge Road
Brick, New Jersey 08723**

In conjunction with repairs to a boiler unit, contractors for the Brick Township High School will commence with the removal of material containing asbestos. The work will begin on approximately January 20, 2012 and should be completed no later than January 22, 2012.

The work will be restricted to the Boiler Room. Solid, airtight barriers will separate the asbestos work area from the occupied areas of the building. Air samples will be collected and analyzed to confirm that all engineering controls in place are effective, and thus ensuring and documenting that no contamination outside the regulated areas have occurred.

During the work there will be no access to the regulated area with the exception of authorized personnel. The Boiler Room will be inaccessible.

If you should have any questions concerning this work please call:

Mr. Jim Edwards, Business Administrator
Brick Township Public Schools
101 Hendrickson Avenue
Brick, NJ 08724

BRICK TOWNSHIP HIGH SCHOOL ASBESTOS ABATEMENT

APPENDIX VI

Occupancy Statement

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.



1805 Atlantic Avenue
Manasquan, New Jersey 08736
Phone: (732) 223-2225 Fax: (732) 223-3666

January 12, 2012

Mr. Daniel F. Newman Jr.
Municipal Building
401 Chambers Bridge Road
Brick Township, NJ 08723

Re: Brick Township High School
346 Chambers Bridge Road
Brick, New Jersey 08723
Brinkerhoff Project No. 11BR217

Dear Mr. Newman:

Please be advised that Brinkerhoff Environmental Services, Inc. (Brinkerhoff) has been retained as the asbestos safety monitor (ASCM) firm (License #00100) for the limited containment removal of approximately 85 square feet of asbestos containing thermal insulation from the Brick Township High School. As the designated ASCM firm, Brinkerhoff hereby certifies that the abatement will be performed under occupied conditions. Except for the boiler room the school will be considered occupied at during the abatement project.

Please contact me with any questions.

Respectfully submitted,

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

Jason P. Hooper
EPA/AHERA Inspector/Project Designer

32818

National Asbestos & Environmental Training Institute

CERTIFICATE OF COMPLETION

AHERA/EPA Accredited Per 40 CFR Part 763
Asbestos Accreditation under TSCA Title II

This is to certify that

Jason P. Hooper

Successfully completed the course entitled

**1-Day New York State/EPA/AHERA Asbestos Project Designer Annual Refresher on
April 7, 2011**

Examination Passed on April 7, 2011

Expiration Date: April 7, 2012


Doris L. Adler
President, NAEI

Per 10 NYCRR Part 73.2 (L) (1), DOH 2832 Certificate of Completion of Asbestos
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