

## SECTION VII

### RESPONSE ACTION DESCRIPTIONS

The Cleveland Public School Districts, Final Response Action Schedule, expresses the Districts commitment to positively deal with the asbestos inventory surveyed and identified in Section IV of this document.

In an attempt to address the problems identified throughout the whole district it has been necessary to perform response actions for those rooms within this school which have been given an AHERA priority of a 1 or 2. In as much as 128 schools contain asbestos containing building materials of one form or another, the District has prepared a response action schedule for a three year period of time. In this way, the District will be responding only to major fiber release areas and in this way shall give us enough time to obtain further information as found in the six month surveillance inspections; as well as the three year reinspection program.

By only limiting the Response Action Schedule to a three year plan, the District will be able to allocate sufficient resources, both personnel and financial, to assure that responses are completed.

#### VII-A

Response actions including removal, encapsulation, enclosure, or repair, including small-scale, short duration repairs, shall be designed and conducted by the Cleveland Board of Education employees.

All employees assigned to the Asbestos office of the Building Trades Division, whether management or specialist/workers, have been accredited through completion of EPA courses (763.90,g.). Also Appendix B.

It is the Districts policy that only employees who have been accredited and are qualified as asbestos specialist/workers be allowed to institute or perform any function concerned with asbestos responses, including cleaning and operation and maintenance. In this way, the District is assured that all work performed will follow the worker protection and work practice

requirements under 29 CFR 1926.58 (Occupational Safety and Health Administration (OSHA) asbestos worker protection standards for construction), 40 CFR Part 763, Subpart G (EPA asbestos worker protection standards for public employees), and 40 CFR Part 61, Subpart M (National Emission Standards for Hazardous Air Pollutants-Asbestos). See: Appendix A-Operations and Maintenance Plan  
Appendix B-Training Program & Certification  
Appendix C-Medical Surveillance Plan  
Appendix D-Respiratory Protection Program

Even though the District will comply with the awareness training (763.92) of its custodial and maintenance personnel, the "Designated Person" feels that to maintain standardization throughout the District, that only Certified people be involved with asbestos abatement. The awareness (2 hr) seminar will be instructional for the purpose of allowing school custodians to define work that should be accomplished in their individual school. The Custodian, Principal, or Asbestos Foreman will be responsible to prepare a work order defining those areas within their school (type material, room number, and amount) that should have work performed.

VII-B

FINAL RESPONSE ACTION SCHEDULE:

A Final Response Action Schedule has been submitted in this section of this Management Plan Document which will summarize the work to be completed within this school for the next three years (if applicable). The Response Action Schedule will define work that addresses AHERA priority of 1 or 2 as found on the Survey Forms in Section IV. The user of this Document shall also refer to the specific room survey form (Section IV) to identify, singularly any work that was performed on work that will be scheduled for a particular room.

**BUSINESS DEPARTMENT  
BUILDING TRADES DIVISION  
RIDGE ROAD**

WORK REQUISITION  
**NO. 51056**

*info Computer*

PRIORITY	ORIGIN
1 <input type="checkbox"/>	<input type="checkbox"/> CITY CODE
2 <input checked="" type="checkbox"/>	<input type="checkbox"/> STATE MIN. STANDARD
3 <input type="checkbox"/>	<input type="checkbox"/> STATE BOILER INSP.
4 <input type="checkbox"/>	<input checked="" type="checkbox"/> PREVENTATIVE MAINT.
	<input type="checkbox"/> EDUCATIONAL PROG.
	<input type="checkbox"/> VANDALISM

JOB ORDER NUMBER

DATE 8/29/89

NO.	<u>019-100</u>
BUDGET NUMBER [MAT.]	<u>3000-5721</u>
BUDGET NUMBER [LABOR]	<u>3000-1411</u>
TIME TICKET	<u>30011</u>
BUDGET NUMBER [PUR. SERV.]	<u>3000-4232</u>

SCHOOL	<u>Brooklawn</u>	NO.	<u>3</u>	<u>0</u>	<u>5</u>	<u>8</u>
ADDRESS	<u>11801 Worthington Ave.</u>					
PHONE	<u>941-9925</u>					

TRADE: Asbestos Workers

**NOTE: RETURN THIS FORM TO BUILDING OPERATION DIVISION, ROOM 500S**

**DESCRIPTION OF WORK TO BE PERFORMED (DETAILED)**

Please furnish the necessary labor and materials to relag this buildings boilers. There are rips in the lagging exposing the asbestos insulation.

PRINCIPAL  *Gene Ellis* CUSTODIAN  *Leonard V. Madzia*

FOR TRADES OFFICE USE ONLY			DIRECTOR OF TRADES (IF REQUIRED)					
TRADE	AMOUNT	HRS.	TRADE	AMOUNT		AMOUNT		
ASBESTOS WORKER			LABORER			TOTAL LABOR	<u>2148</u>	<u>80</u>
<u>80</u> ASBESTOS SPECIALIST	<u>2148</u>	<u>80</u>	MAINT. MAN			TOTAL MATERIAL	<u>434</u>	<u>96</u>
BOILERMAKER			PAINTER			PURCHASE SERVICES		
BRICKLAYER			PLASTERER					
BRICKLAYER HELPER			PLUMBER			(VENDOR) $\nearrow$		
B.T. LABORER			ROOFER			TOTAL COST	<u>2583</u>	<u>76</u>
CEMENT FINISHER			SEWERMAN			REMARKS:		
CARPENTER			TINNER					
ELECTRICIAN			STAGEHAND					
EXTERMINATOR			STEAMFITTER					
GLAZIER			WINDOW WASHER					
IRON WORKER								
	NUMBER	AMOUNT		NUMBER	AMOUNT			
DP			WR			<input type="checkbox"/> CANCEL — WORK COMPLETED ON WORK ORDER #		
DP			WR					
DP			WR			DATE COMPLETED		
<u>41388</u>		<u>434</u>	<u>96</u>			<u>1-12-90</u>		
PR			WR			MO.	<u>12</u>	DA.
PO			WR			YR.		

ISSUED TO: \_\_\_\_\_  
DATE: \_\_\_\_\_

TRADES FOREMAN'S SIGNATURE  
*Gene Ellis*

OFFICE USE ONLY

**BUSINESS DEPARTMENT  
BUILDING TRADES DIVISION  
RIDGE ROAD**

*Entered into the Computer*

WORK REQUISITION  
**NO. 159914**

PRIORITY	ORIGIN
1 <input type="checkbox"/>	<input type="checkbox"/> CITY CODE
2 <input type="checkbox"/>	<input type="checkbox"/> STATE MIN. STANDARD
3 <input type="checkbox"/>	<input type="checkbox"/> STATE BOILER INSP.
4 <input type="checkbox"/>	<input type="checkbox"/> PREVENTATIVE MAINT.
	<input type="checkbox"/> EDUCATIONAL PROG.
	<input type="checkbox"/> VANDALISM

ORDER NO.	01-061
BUDGET NUMBER [MAT.]	
BUDGET NUMBER [LABOR]	
TIME TICKET	14510
BUDGET NUMBER [PUR. SERV.]	1400-4232

JOB ORDER NUMBER	DATE	11-30-90
SCHOOL	Brooklawn	NO. 058
ADDRESS	11801 Worthington	
PHONE	941-9925	

TRADE: **ASBESTOS**      **NOTE: RETURN THIS FORM TO BUILDING OPERATION DIVISION, ROOM 500S**

**DESCRIPTION OF WORK TO BE PERFORMED (DETAILED)**

Provide labor, material and laboratory analysis for the detection of indoor radon concentration in the active classrooms in the school.

Per - "EPA Report for Measuring Radon in Schools"

Board Resolution 345-89

*\* Also detection of lead in drinking water - Resolution 218-89*

PRINCIPAL  \_\_\_\_\_      CUSTODIAN  Richard Malott  
Asbestos Foreman

FOR TRADES OFFICE USE ONLY			DIRECTOR OF TRADES (IF REQUIRED)					
NO.	TRADE	AMOUNT	HRS.	TRADE	AMOUNT		AMOUNT	
	ASBESTOS WORKER			LABORER		TOTAL LABOR	843	25
	ASBESTOS SPECIALIST			MAINT. MAN		TOTAL MATERIAL		
	BOILERMAKER			PAINTER		PURCHASE SERVICES	1037	00
	BRICKLAYER			PLASTERER		LAB		
	BRICKLAYER HELPER			PLUMBER		(VENDOR) ↑		
	B.T. LABORER			ROOFER		TOTAL COST	1,880	25
	CEMENT FINISHER		<u>530</u> <u>15</u>	SEWERMAN	<u>127</u> <u>63</u> <u>695</u> <u>70</u>	REMARKS:	<p><i>W.R. Includes INITIAL SCREENING &amp; 2 ROUNDS of follow-up samples (LEAD IN WATER) etc.</i></p>	
	CARPENTER			TINNER				
	ELECTRICIAN			STAGEHAND				
	EXTERMINATOR			STEAMFITTER				
	GLAZIER			WINDOW WASHER				
	IRON WORKER		1	CUSTODIAN	20 00			

CANCEL - WORK COMPLETED ON WORK ORDER # \_\_\_\_\_

DATE COMPLETED

3 15 91  
MO. DA. YR.

ISSUED TO: RTM  
DATE: 11-30-90

TRADES FOREMAN'S SIGNATURE  
*Richard Malott*

OFFICE USE ONLY

**BUSINESS DEPARTMENT  
BUILDING TRADES DIVISION  
RIDGE ROAD**

526  
8/31/92

WORK REQUISITION  
**NO. 105574**

ND NO. \_\_\_\_\_  
BUDGET NUMBER (MAT.) \_\_\_\_\_  
BUDGET NUMBER (LABOR) \_\_\_\_\_  
TIME TICKET \_\_\_\_\_  
BUDGET NUMBER [PUR. / SERV.] \_\_\_\_\_

**PRIORITY**

1  **ORIGIN**  
2  CITY CODE  
3  STATE MIN. STANDARD  
4  STATE BOILER INSP.  
 PREVENTATIVE MAINT.  
 EDUCATIONAL PROG.  
 VANDALISM

**JOB ORDER NUMBER** \_\_\_\_\_  
**DATE** **AUGUST 24, 1992**

**SCHOOL** **BROOKLAWN** **NO.** **3058**

**ADDRESS** **11801 WERTHINGTON AVE**

**PHONE** **476-6815**

TRADE: **STEM FITTER**      NOTE: RETURN THIS FORM TO BUILDING OPERATION DIVISION, ROOM 500S

DESCRIPTION OF WORK TO BE PERFORMED (DETAILED)

PLEASE FURNISH THE NECESSARY LABOR AND MATERIALS TO  
INSTALL A SECONDARY LOW WATER CONTROL ON THIS BUILDING'S  
BOILERS.

PER BOILER INSPECTOR  
**FITZGIBBENS BOILERS**  
**IREN FIREMAN CONTROLS**

ASB to be removed  
to be marked  
B #1 & B #2

PRINCIPAL  \_\_\_\_\_ CUSTODIAN  **Almond V. Mascia**

FOR TRADES OFFICE USE ONLY			DIRECTOR OF TRADES (IF REQUIRED)					
RS.	TRADE	AMOUNT	HRS.	TRADE	AMOUNT			AMOUNT
	ASBESTOS WORKER			LABORER			TOTAL LABOR	
	ASBESTOS SPECIALIST			MAINT. MAN			TOTAL MATERIAL	
	BOILERMAKER			PAINTER			PURCHASE SERVICES	
	BRICKLAYER			PLASTERER				
	BRICKLAYER HELPER			PLUMBER			(VENDOR) →	
	B.T. LABORER			ROOFER			TOTAL COST	
	CEMENT FINISHER			SEWERMAN			REMARKS: John 9/11/92	
	CARPENTER			TINNER			2-1" traps	
	ELECTRICIAN			STAGEHAND			2-1" strainer	
	EXTERMINATOR			STEAMFITTER			2 sets 1" traps also to be	
	GLAZIER			WINDOW WASHER			6-1" gobs	
	IRON WORKER						8-1" gobs	
							1 1/2" mat	
							list back	
							<input type="checkbox"/> CANCEL — WORK COMPLETED ON WORK ORDER #	
							DATE COMPLETED	
							ASH 9/2	
							MO	DA
							YR.	

ISSUED TO: \_\_\_\_\_  
DATE: \_\_\_\_\_

TRADES FOREMAN'S SIGNATURE

OFFICE USE ONLY

Honeywell Inc.  
925 Keynote Circle  
Brooklyn Heights OH 44131-1898

Independent Environmental Surveillance  
1774 Meadows Road  
Madison, OH 44057  
~~440-428-8738~~  
July 24, 2001

Attn: Chris Hess

RE: Work Scope For The City Of Cleveland School  
District- Boiler Upgrades (Multiple Sites)

Dear Mr. Hess,

Independent Environmental Surveillance (IES) is proud to submit the following Work Scopes as described for the project referenced above:

- Miles Standish Boiler Room
  - 780 square feet (s.f.) of asbestos boiler insulation
  - 150 s.f. of asbestos flue insulation
  - 75 linear feet (l.f.) asbestos pipe insulation
- Charles Eliot Boiler Room
  - 1,000 s.f. of asbestos boiler insulation
  - 250 s.f. of asbestos flue insulation
  - 528 l.f. asbestos pipe insulation
- Euclid Park Boiler Room
  - 800 s.f. of asbestos boiler insulation
  - 150 s.f. of asbestos flue insulation
  - 90 l.f. asbestos pipe insulation
- Artemus Ward Boiler Room
  - 650 s.f. of asbestos boiler insulation
  - 175 s.f. of asbestos flue insulation
  - 20 l.f. asbestos pipe insulation
- ~~Brooklyn~~ Boiler Room
  - 400 s.f. of asbestos boiler insulation
  - 200 s.f. of asbestos flue insulation
  - 70 l.f. asbestos pipe insulation

The asbestos removal contractor shall bear complete responsibility for worker safety and adherence to all agencies laws, regulations, and standards, including but not limited to the following regulations and/or publications listed below:

Code of Federal Regulations (CFR)

- 29 CFR 1910.20
  - 1910.145
  - 1910.134
  - 1910 (subpart 2) 1001
  - 1910.120
  - 1926.1101
  - 1926.1-1051
- 40 CFR 61 subpart A & B
  - 61.145 subpart M
  - 241
  - 257
  - 763 subparts E,F, & G

EPA 560/5

*40 CFR 763  
subpart E*

American National Standards Institute (ANSI) z9.2-79  
z88.2-80  
National Institute of Occupational Safety and Health  
U.S. Department of Transportation  
Underwriters Laboratories, Inc. (UL) Publications (586-77, 1992)

Should you have any questions or comments in regards to this information, please do not hesitate to contact me at (440) 428-8738, (440) 487-3505 or contact us via the World Wide Web at [brobishaw@advizexweb.com](mailto:brobishaw@advizexweb.com).

Sincerely,

Independent Environmental Surveillance



Brian Robishaw  
General Manager

File:cc:  
Dick Mallot, Cleveland Municipal Board of Education  
Rex Harris, Pioneer Environmental Services, Inc.