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November 18, 2004

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Mr. Kevin Sarnowicz  
New York State Department of  
Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7017

Re: Pre-Design Investigation  
Work Assignment No. D003600-39  
American Cleaners Site, Site No. 7-04-030  
D&B No. 2216

Dear Mr. Sarnowicz:

The purpose of this correspondence is to present a summary of the activities and findings of the pre-design investigation that was undertaken in support of the remedial design program for the American Cleaners Site. The objectives of the pre-design investigation were to:

- Measure depth to the water table in existing on-site monitoring wells and piezometers to estimate the thickness of unsaturated soil beneath the building for use in calculating the volume of soil to be excavated during remediation,
- Complete an asbestos and lead-based paint survey to identify related demolition and disposal requirements for building material,
- Prepare a property boundary survey to serve as a base plan for the remedial design drawings, and
- Sample soil from beneath the basement floor slab for characterization for disposal.

It was agreed that the optional groundwater sampling identified in the work plan is not required at this time.

***BACKGROUND***

The American Cleaners Site is an abandoned dry cleaner located at 48-50 Walnut Street in the City of Binghamton, Broome County. The site is approximately 0.1 acre in size and is bounded on the north by a residential property, on the south by Seminary Avenue, on the east by a residential property and on the west by Walnut Street. The site is occupied by a 1-story masonry building that is attached to a 2-story wood-frame building, and a smaller masonry block building. The site location and layout are shown on Figures 1 and 2 in Attachment A.

The dry cleaner closed in 1991, and the site has been vacant since that time. During initial site investigations, tetrachloroethene (PCE) at concentrations up to 4,400 milligrams per kilogram (mg/kg) was detected in soil beneath the basement floor, and PCE in groundwater at concentrations of up to 24,000 micrograms per liter ( $\mu\text{g/l}$ ) was detected. The American Cleaners Site was listed on the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites (Site No. 7-04-30) in January 1999.

In November 2000, the NYSDEC conducted the initial phase of a remedial investigation (RI) at the site. The second phase of the RI was conducted in January and February 2001. The results of the RI were presented in a Remedial Investigation Report, dated July 2001. Based on the RI results, the contaminants of concern identified for this site are VOCs, in particular PCE, trichloroethene (TCE) and 1,2-dichloroethene (1,2-DCE). TCE and 1,2-DCE are breakdown products of PCE. Potential remedial alternatives were identified, screened and evaluated in a Feasibility Study (FS) Report, dated May 2002. In November 2002, the NYSDEC issued a Record of Decision (ROD) which identified the selected remedy for the site. The selected remedy includes the following elements:

- Demolition of all aboveground and below-ground structures;
- Excavation and off-site disposal of contaminated soil; and
- Site restoration, including backfill of open excavations and foundation areas, grading, placement of 6 inches of topsoil and seeding.

***PRE-DESIGN INVESTIGATION ACTIVITIES***

As discussed above, the purpose of the pre-design investigation was to evaluate certain existing conditions on-site and off-site and collect the information required for the design of the selected remedial alternative. This section of the summary presents an overview of the field activities and techniques used to investigate the American Cleaners Site. The field investigation was conducted in accordance with the NYSDEC approved Remedial Design Project Management Work Plan (D&B, June 2004).

The field program was completed in three phases. The first phase was conducted in July 2004 and consisted of asbestos and lead-based paint surveys along with the collection of soil samples from beneath the concrete basement floor of the American Cleaners building. The second phase of the investigation was completed in August 2004 and consisted of a property boundary survey, and the existing wells were surveyed. The third phase of the investigation was conducted in September 2004 and consisted of the collection of soil vapor samples beneath the basement floor slabs of residences adjacent to the site.

The asbestos and lead-based paint surveys were conducted on July 19 and 20, 2004. Twenty-one (21) suspect asbestos-containing materials (SACM) were collected and analyzed for asbestos content. In addition, materials were visually inspected to evaluate whether they were homogeneous with the samples collected. SACM samples were "wetted" to minimize fiber release and were removed using field-decontaminated hand tools. SACM samples were analyzed by AmeriSci New York using USEPA Methods 198.1 (Polarized Light Microscopy) and 198.4 (Transmission Electron Microscopy). Thirty-one (31) paint chip samples were collected and analyzed for lead-based paint. In addition, painted surfaces were visually inspected to note their equivalence to the samples collected. Paint chip samples were removed from substrate materials using field-decontaminated scrapers. Paint chip samples were analyzed by AmeriSci Boston using USEPA Method 7420.

Also included as part of the first phase of the pre-design investigation program was the collection of subsurface soil samples for waste disposal characterization. Three subsurface soil samples (CS-1, CS-2 and CS-3) were collected from beneath the concrete floor in the basement. The concrete was removed using an electric hammer drill equipped with a chisel bit to cut an approximately 6-inch by 6-inch hole in the floor. Soil was removed from beneath the floor using a disposable sterile scoop. Sample locations are shown on Figure 2 (Attachment A). The samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP semivolatile organic compounds (SVOCs), TCLP pesticides/herbicides, TCLP metals, PCBs, reactivity and ignitability. In addition the samples were subjected to a paint filter test to determine if they contained any free liquid.

The second phase of the pre-design investigation involved the preparation of a base map and certified property survey of the site. The survey for the site was compiled from an on-site ground control survey. Site features on the map include roads, buildings and monitoring wells. Monitoring wells were surveyed to the nearest 0.01 feet for location and elevation. The survey was prepared in the New York State Plane (NYSP) coordinate system (NAD 1983 and NAVD 1988). The map was created using AutoCad® and is included as Attachment C.

The third phase of the pre-design investigation included the collection of sub-slab soil vapor samples, which was conducted at the request of the Broome County Department of Health. Sub-slab soil vapor samples were collected beneath the houses adjacent to the north and east of the

American Cleaners Site in order to evaluate the need for mitigation systems. The locations of the houses sampled are shown on Figure 2 (Attachment A). The sub-slab soil vapor samples were collected by drilling a  $\frac{9}{16}$ -inch diameter hole through the concrete basement floor to a depth of approximately 1.5 feet below grade. A 1-inch diameter hole was then drilled approximately 1-inch into the upper surface of the concrete basement floor. A Teflon™ tube was placed in the hole, sealed with bentonite, connected to an air sampling pump and purged until photoionization detector (PID) readings were constant. The air sampling pump was then disconnected and the Teflon™ tube was connected to the sample canister and allowed to fill. Samples were collected with 6-liter Summa® canisters and analyzed for chlorinated VOCs, benzene, toluene, ethylbenzene and xylene (BTEX) and methyl-tert-butyl ether (MTBE) by Method TO-15 using selective ion monitoring. Sample canisters were set up to collect air samples for one hour.

In addition, over the course of the pre-design investigation, water levels were periodically measured in the monitoring wells located at the site. Water level measurement rounds were conducted at times of relatively stable weather conditions and within as short a period as possible in order to provide a synoptic view of groundwater conditions. In general, water level measurements were completed in less than one hour. Depth to water measurements and survey data were used to calculate groundwater elevations and to prepare water table maps.

## **FINDINGS**

Asbestos containing material is any material or product, which contains more than 1% asbestos by weight. Eight samples analyzed contained more than 1% asbestos. Detailed descriptions of these materials are presented in a report entitled "*Inspection for Asbestos Containing Materials and Lead-Based Paint*" prepared by YEC, Inc. and included as Attachment D. Based on the asbestos investigation, 2,297 sq. ft. and 82 linear feet of asbestos containing material were found on site.

Lead-based paint is defined as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or more than 0.5 percent by weight. Ten samples analyzed contained more than 0.5 percent lead by weight. Detailed descriptions of confirmed lead-based paint and paint equivalents are also presented in the report entitled "*Inspection for Asbestos Containing Materials and Lead-Based Paint*" prepared by YEC, Inc.

Three soil samples (CS-1, CS-2 and CS-3) were collected during the pre-design investigation for the purpose of characterizing soil for disposal during the implementation of the remedy. Tabulated results of the soil analyses are presented in Attachment B on Tables 1a, 1b, 1c, 1d, 1e and 1f. Tetrachloroethene was detected above regulatory limits (700 µg/l) in one soil sample (CS-2) at a concentration of 920 µg/l. There were no other VOCs detected above regulatory limits in the soil samples. SVOCs, pesticides, herbicides, PCBs, metals, flashpoint, cyanides and

sulfides were not detected above regulatory limits in the soil samples. In addition, free liquids were not present in the samples.

Subsequent to development of the project work plan, the Broome County Department of Health requested that collection and analysis of soil vapor samples beneath the concrete basement floor slabs of houses adjacent to the American Cleaners Site be incorporated into the investigation. Accordingly, sub-slab soil vapor samples were collected in two nearby houses during the pre-design investigation. Samples were analyzed for chlorinated VOCs, BTEX and MTBE. The results of the sub-slab soil vapor analyses are presented in Table 2a in Attachment B, and discussed below.

VOCs detected in at least one of the two sub-slab soil vapor samples collected during the September 2004 sampling event included benzene, ethylbenzene, tetrachloroethene, toluene, 1,1,1-trichloroethane, trichloroethene, m- and p-xylenes and o-xylene. VOCs detected in sample A-1 included tetrachloroethene (4,600 micrograms per cubic meter [ $\mu\text{g}/\text{m}^3$ ]), toluene ( $5.2 \mu\text{g}/\text{m}^3$ ) and trichloroethene ( $150 \mu\text{g}/\text{m}^3$ ). VOCs detected in sample A-2 included benzene ( $0.76 \mu\text{g}/\text{m}^3$ ), ethylbenzene ( $0.18 \mu\text{g}/\text{m}^3$ ), tetrachloroethene ( $18 \mu\text{g}/\text{m}^3$ ), toluene ( $1.5 \mu\text{g}/\text{m}^3$ ), 1,1,1-trichloroethane ( $0.42 \mu\text{g}/\text{m}^3$ ), m&p-xylenes ( $0.77 \mu\text{g}/\text{m}^3$ ) and o-xylene ( $0.24 \mu\text{g}/\text{m}^3$ ).

Water levels were measured on July 19, 2004, August 27, 2004 and September 14, 2004, using an electronic water level indicator. Depth to groundwater measurements were used to calculate groundwater elevations at the site (Table 3, Attachment B). Water table elevation contour maps (Figures 3, 4 and 5, Attachment A) were constructed using the water level measurements for each of the three days. Based on the results of each of the three water table measurement events, the direction of groundwater flow at the site is to the north-northeast.

## **CONCLUSIONS**

As described above, the pre-design investigation activities identified in the remedial design work plan for the American Cleaners Site have been completed. Preparation of the 30% complete remedial design package, incorporating the results of the pre-design investigation, is proceeding accordingly.

**DVIRKA AND BARTILUCCI**

Mr. Kevin Sarnowicz  
NYSDEC  
November 18, 2004

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If you should have any questions regarding this report, please contact me at (315) 437-1142.

Very truly yours,

A handwritten signature in black ink, appearing to read "Sean E. Pepling".

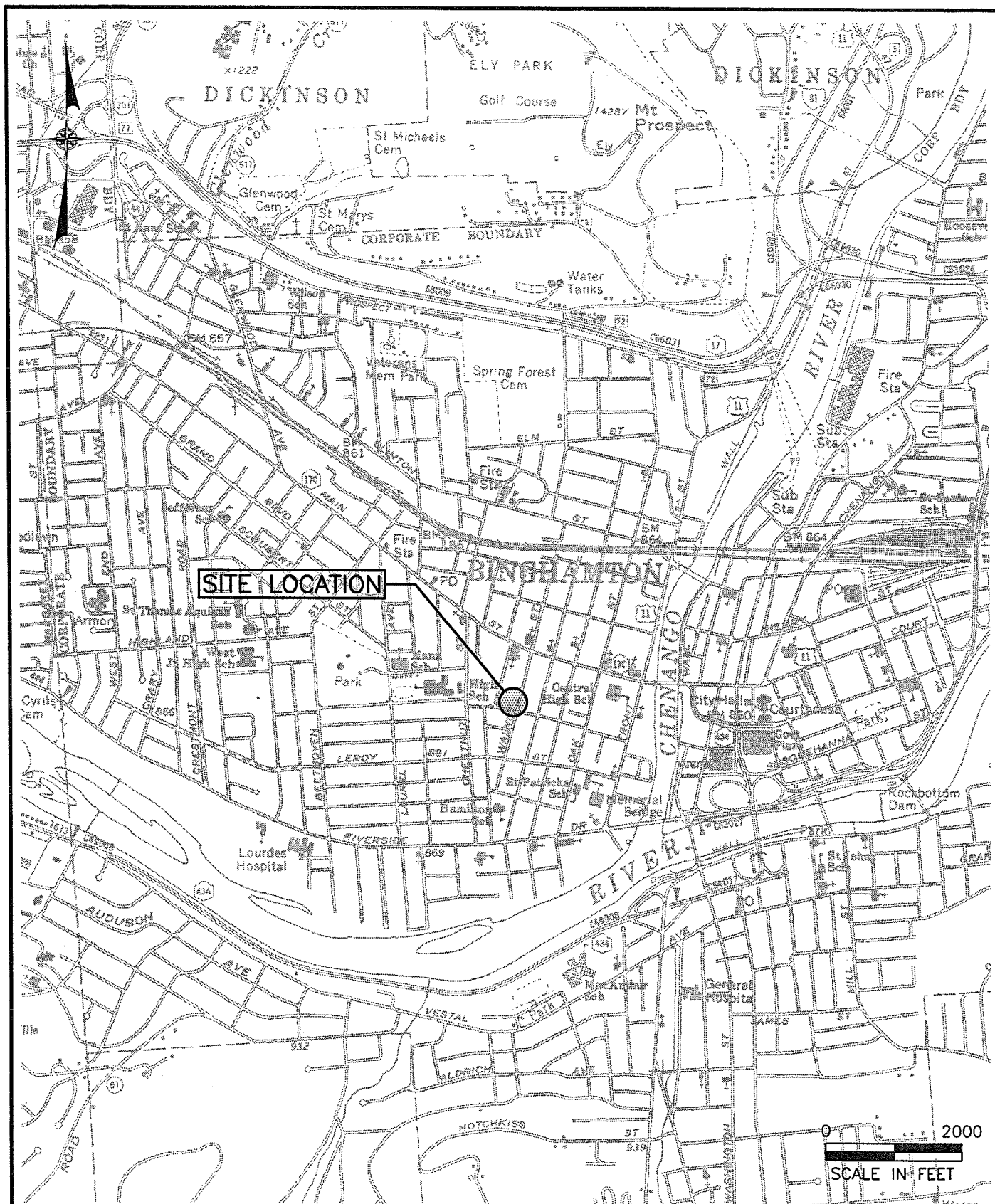
Sean E. Pepling, P.G.  
Associate

Attachments

SEP:ihm

cc: R. Walka (D&B)  
D. Glass (D&B)

***ATTACHMENT A***  
***FIGURES***



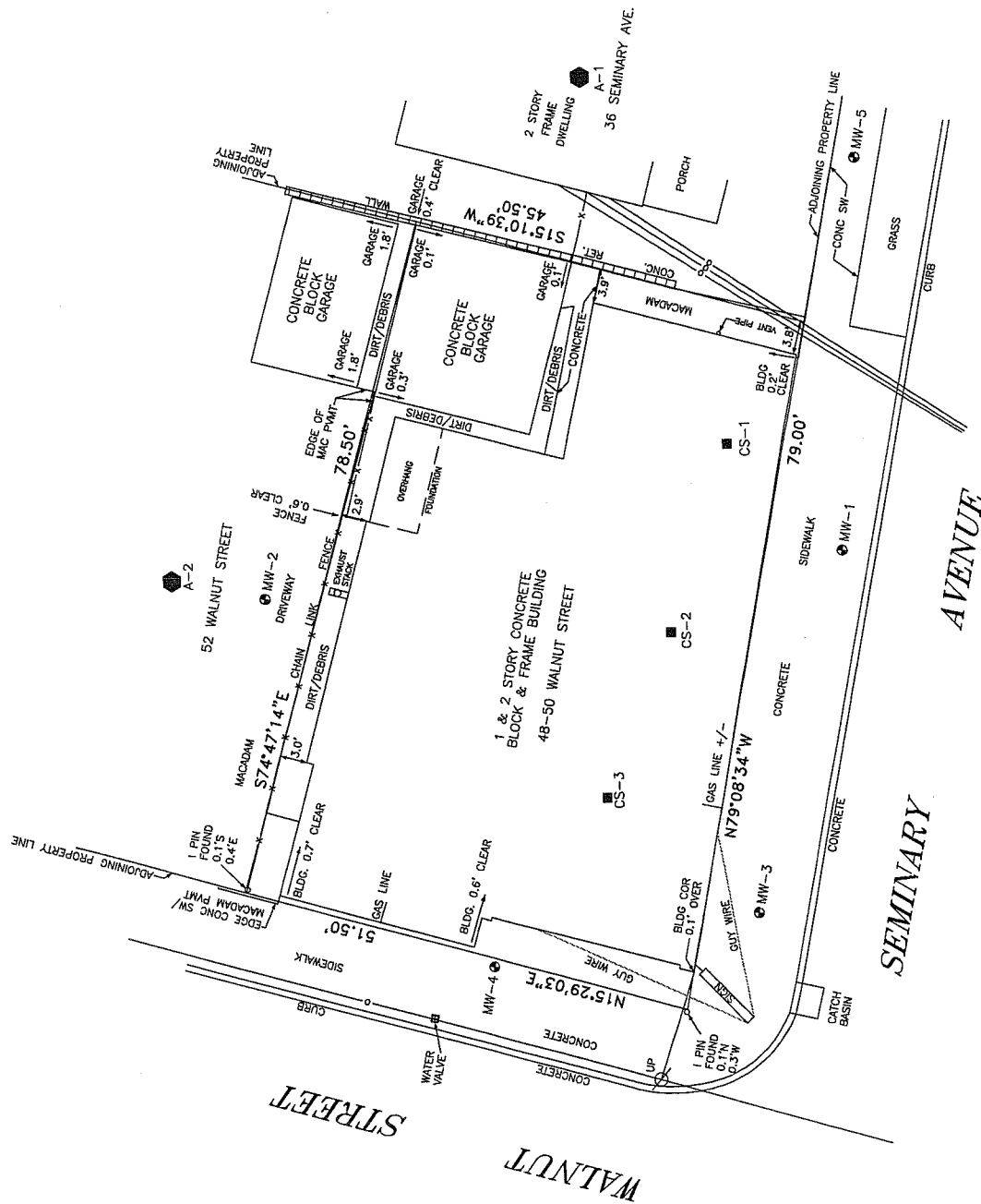
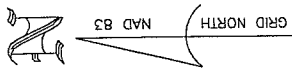
SOURCE: UNITED STATES GEOLOGICAL SURVEY BINGHAMTON WEST QUADRANGLE

AMERICAN CLEANERS SITE REMEDIAL DESIGN  
BINGHAMTON, NEW YORK

SITE LOCATION MAP

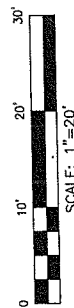
**db** Dvirka  
and  
Bartilucci  
CONSULTING ENGINEERS  
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

FIGURE 1



LEGEND

- SOIL SAMPLE LOCATION
- SUB-SLAB SOIL VAPOR SAMPLE LOCATION

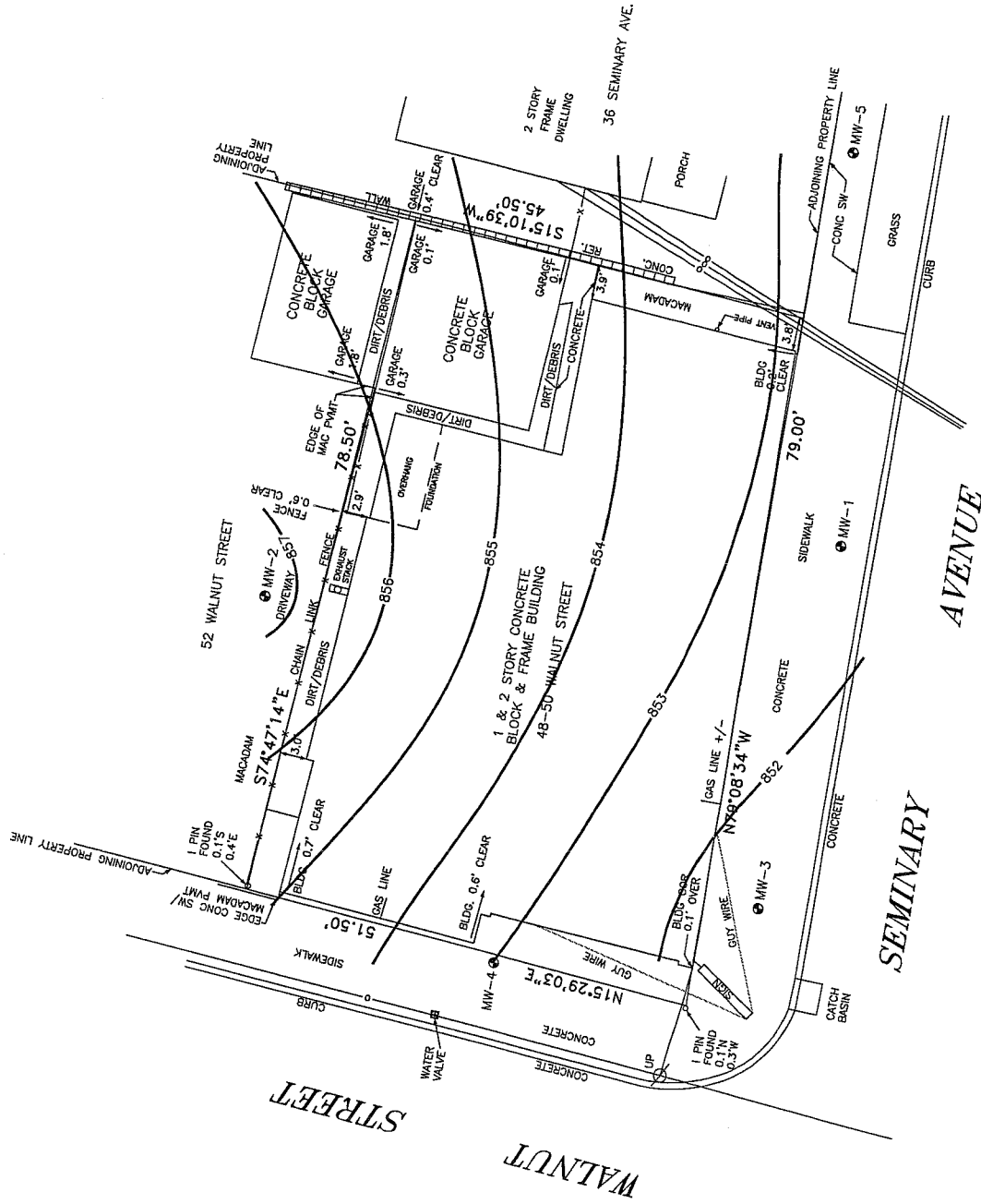
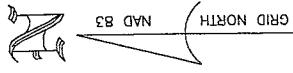


NOTE: HOUSE AT 52 WALNUT STREET NOT SHOWN

AMERICAN CLEANERS SITE  
BINGHAMTON, NEW YORK

SITE LAYOUT AND SAMPLE LOCATIONS

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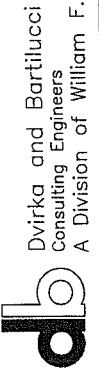


LEGEND

--- WATER TABLE ELEVATION CONTOUR

AMERICAN CLEANERS SITE  
BINGHAMTON, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP - JULY 19, 2004  
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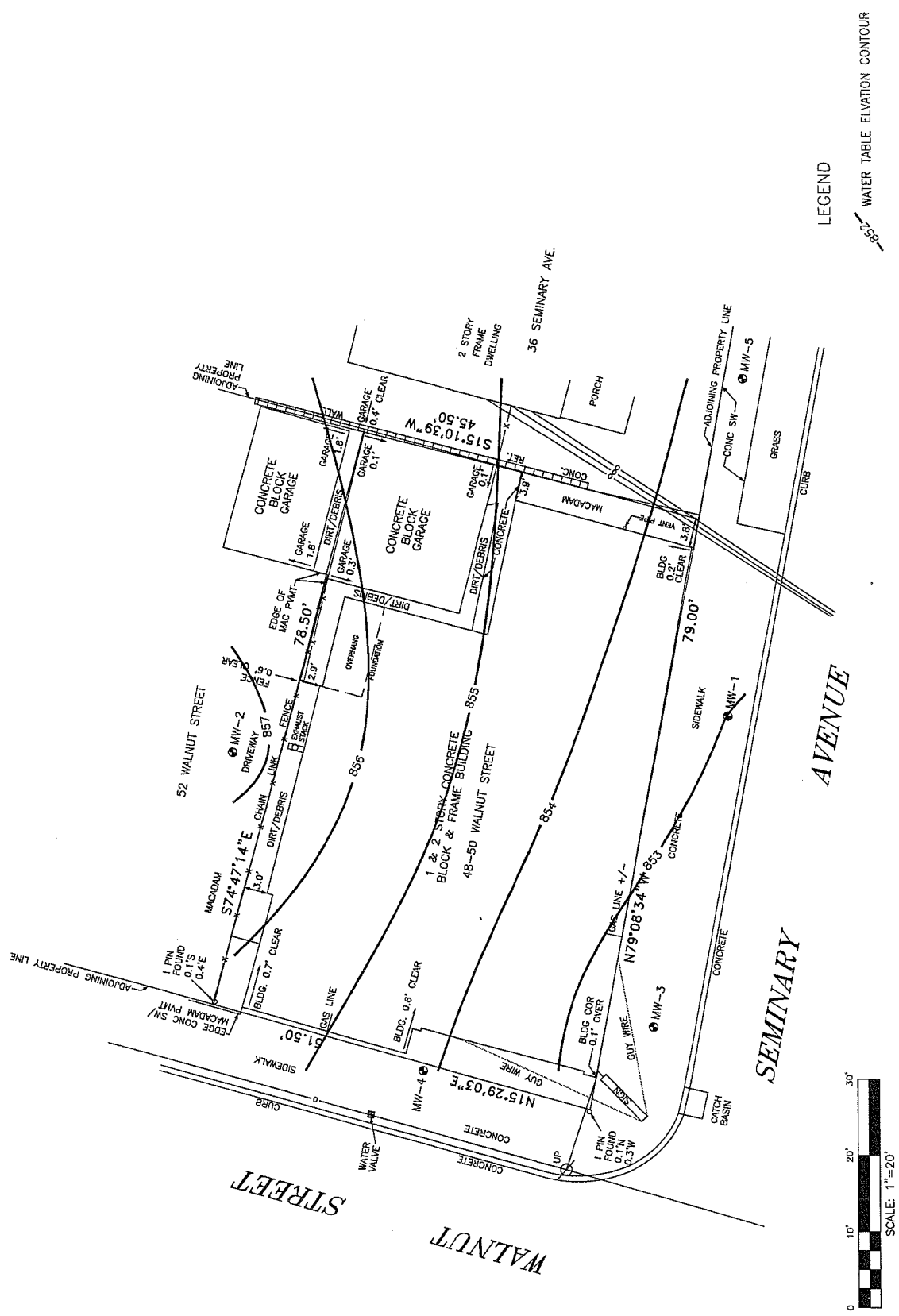
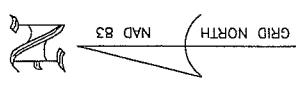




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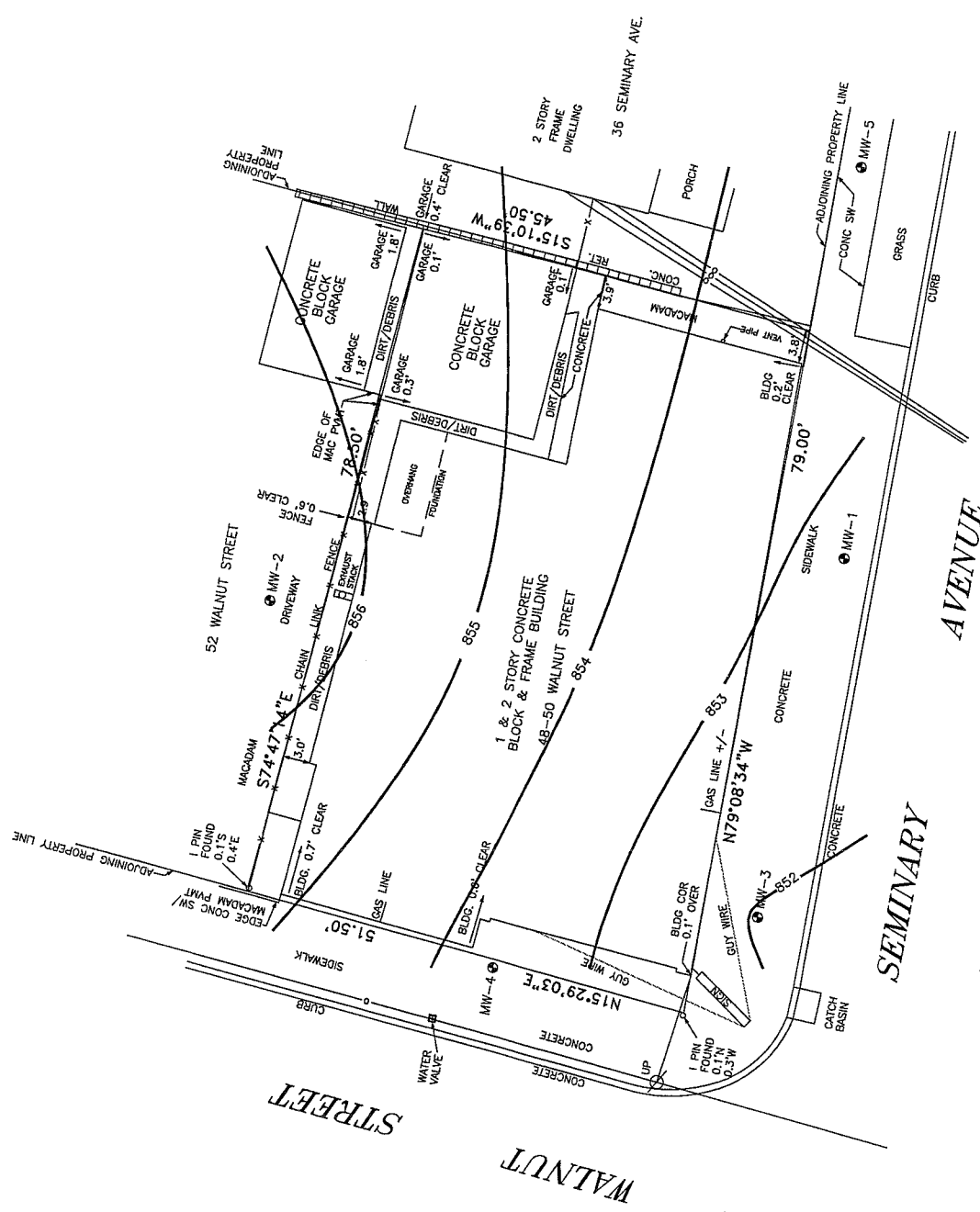
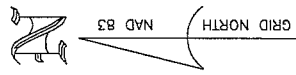
AMERICAN CLEANERS SITE  
BINGHAMTON, NEW YORK  
WATER TABLE ELEVATION CONTOUR MAP - AUGUST 27, 2004

FIGURE 4



LEGEND

--- 85.2 ---  
WATER TABLE ELEVATION CONTOUR



LEGEND

835' WATER TABLE ELEVATION CONTOUR



AMERICAN CLEANERS SITE  
BINGHAMTON, NEW YORK

WATER TABLE ELEVATION CONTOUR MAP - SEPTEMBER 14, 2004

***ATTACHMENT B***  
***TABLES***

**TABLE 1a.**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004**  
**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | CS-1     | CS-2     | CS-3     | Contract | TCLP       |
|-----------------------|----------|----------|----------|----------|------------|
| Date of Collection    | 07/19/04 | 07/19/04 | 07/19/04 | Required | Regulatory |
| Dilution Factor       | 1.0      | 1.0      | 1.0      | Limit    | Level*     |
| Units                 | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)     |
| Vinyl Chloride        | U        | U        | U        | 5        | 200        |
| 1,1-Dichloroethene    | U        | U        | U        | 5        | 700        |
| 2-Butanone            | U        | U        | U        | 5        | 200,000    |
| Chloroform            | U        | U        | U        | 5        | 6,000      |
| Carbon Tetrachloride  | U        | U        | U        | 5        | 500        |
| 1,2-Dichloroethane    | U        | U        | U        | 5        | 500        |
| Benzene               | U        | U        | U        | 5        | 500        |
| Trichloroethene       | U        | 3 J      | U        | 5        | 500        |
| Tetrachloroethene     | 10       | 920 D    | 200 D    | 5        | 700        |
| Chlorobenzene         | U        | U        | U        | 5        | 100,000    |
| <b>Total VOCs</b>     | 10       | 923      | 200      |          |            |

**QUALIFIERS:**

U: Compound analyzed for but not detected

B: Compound found in the method blank as well as the sample

J: Compound found at a concentration below the CRDL, value estimated

D: Result is taken from reanalysis at a secondary dilution

**NOTES:**

\*: 40 CFR Part 261

Indicates value exceeds regulatory level.

**TABLE 1b.**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004**  
**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**  
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | CS-1     | CS-2     | CS-3     | Contract | TCLP       |
|-----------------------|----------|----------|----------|----------|------------|
| Date of Collection    | 07/19/04 | 07/19/04 | 07/19/04 | Required | Regulatory |
| Dilution Factor       | 1.0      | 1.0      | 1.0      | Limit    | Level*     |
| Units                 | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)     |
| 1,4-Dichlorobenzene   | U        | U        | U        | 33       | 7,500      |
| 2-Methylphenol        | U        | U        | U        | 33       | 200,000    |
| 4-Methylphenol        | U        | U        | U        | 33       | 200,000    |
| Hexachloroethane      | U        | U        | U        | 33       | 3,000      |
| Nitrobenzene          | U        | U        | U        | 33       | 2,000      |
| Hexachlorobutadiene   | U        | U        | U        | 33       | 500        |
| 2,4,6-Trichlorophenol | U        | U        | U        | 33       | 2,000      |
| 2,4,5-Trichlorophenol | U        | U        | U        | 67       | 400,000    |
| 2,4-Dinitrotoluene    | U        | U        | U        | 33       | 130        |
| Hexachlorobenzene     | U        | U        | U        | 33       | 130        |
| Pentachlorophenol     | U        | U        | U        | 67       | 100,000    |
| Pyridine              | U        | U        | U        | 33       | 5,000      |
| <b>Total SVOCs</b>    | <b>0</b> | <b>0</b> | <b>0</b> |          |            |

**QUALIFIERS:**

U: Compound analyzed for but not detected

B: Compound found in the method blank as well as the sample

J: Compound found at a concentration below the CRDL, value estimated

**NOTES:**

\*: 40 CFR Part 261

Indicates value exceeds regulatory level.

**TABLE 1c.**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004**  
**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**  
**PESTICIDES/HERBICIDES**

| Sample Identification   | CS-1     | CS-2     | CS-3     | Contract Required Detection Limit | TCLP Regulatory Level* |
|-------------------------|----------|----------|----------|-----------------------------------|------------------------|
| Date of Collection      | 07/19/04 | 07/19/04 | 07/19/04 |                                   |                        |
| Dilution Factor         | 1.0      | 1.0      | 1.0      |                                   |                        |
| Units                   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)                            | (ug/l)                 |
| gamma-BHC (Lindane)     | U        | U        | U        | 0.17                              | 400                    |
| Heptachlor              | U        | U        | U        | 0.17                              | 8                      |
| Heptachlor epoxide      | U        | U        | U        | 0.17                              | 8                      |
| Endrin                  | U        | U        | U        | 0.33                              | 20                     |
| Methoxychlor            | U        | U        | U        | 1.7                               | 10,000                 |
| Toxaphene               | U        | U        | U        | 17                                | 500                    |
| Chlordane               | U        | U        | U        | 8.3                               | 30                     |
| 2,4-D                   | U        | U        | U        | 3.3                               | 10,000                 |
| 2,4,5-TP (Silvex)       | U        | U        | U        | 0.33                              | 1,000                  |
| <b>Total Pesticides</b> | <b>0</b> | <b>0</b> | <b>0</b> |                                   |                        |

**QUALIFIERS:**

U: Compound analyzed for but not detected

B: Compound found in the method blank as well as the sample

J: Compound found at a concentration below the CRDL, value estimated

**NOTES:**

\*: 40 CFR Part 261

Indicates value exceeds regulatory level.

TABLE 1d.

**AMERICAN CLEANERS SITE  
PRE-DESIGN INVESTIGATION  
WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004  
TOXICITY CHARACTERISTIC LEACHING PROCEDURE  
INORGANIC PARAMETERS**

| Sample Identification | CS-1     | CS-2     | CS-3     | Instrument | TCLP       |
|-----------------------|----------|----------|----------|------------|------------|
| Date of Collection    | 07/19/04 | 07/19/04 | 07/19/04 | Detection  | Regulatory |
| Dilution Factor       | 1.0      | 1.0      | 1.0      | Limit      | Level*     |
| Units                 | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)     | (ug/l)     |
| Arsenic               | 7.3 B    | 8.9 B    | 7.6 B    | 3          | 5,000      |
| Barium                | 298      | 561      | 508      | 1          | 100,000    |
| Cadmium               | 1.0 B    | 2.3 B    | 2.6 B    | 1          | 1,000      |
| Chromium              | 1.2 B    | U        | 3.2 B    | 1          | 5,000      |
| Lead                  | 10.2     | 131      | 144      | 2          | 5,000      |
| Mercury               | U        | U        | U        | 0.2        | 200        |
| Selenium              | 1.1 B    | U        | U        | 4          | 1,000      |
| Silver                | 4.5 B    | 69.6     | 62.6     | 1          | 5,000      |

## QUALIFIERS:

U: Compound analyzed for but not detected

B: Compound concentration is less than the CRDL but greater than the IDL.

## NOTES:

\*: 40 CFR Part 261

Indicates value exceeds regulatory level.

**TABLE 1e.**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004**  
**PCBs**

| Sample Identification | CS-1     | CS-2     | CS-3     | Contract  | Regulatory |
|-----------------------|----------|----------|----------|-----------|------------|
| Date of Collection    | 07/19/04 | 07/19/04 | 07/19/04 | Required  | Level*     |
| Dilution Factor       | 1.0      | 1.0      | 1.0      | Detection |            |
| Percent Moisture      | 30       | 30       | 30       | Limit     |            |
| Units                 | (ug/kg)  | (ug/kg)  | (ug/kg)  | (ug/kg)   | (ug/kg)    |
| Aroclor-1016          | U        | U        | U        | 1.0       | 50,000     |
| Aroclor-1221          | U        | U        | U        | 2.0       | 50,000     |
| Aroclor-1232          | U        | U        | U        | 1.0       | 50,000     |
| Aroclor-1242          | U        | U        | U        | 1.0       | 50,000     |
| Aroclor-1248          | U        | U        | U        | 1.0       | 50,000     |
| Aroclor-1254          | U        | U        | 210 P    | 1.0       | 50,000     |
| Aroclor-1260          | U        | U        | U        | 1.0       | 50,000     |
| <b>Total PCBs</b>     | 0        | 0        | 210      |           | 50,000     |

**QUALIFIERS:**

U: Compound analyzed for but not detected

J: Compound found at a concentration below the CRDL, value estimated

P: Greater than 25% difference for detected concentrations between the two GC columns

**NOTES:**

\*: 6 NYCRR Part 371

Indicates value exceeds regulatory level.

**TABLE 1f.**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WASTE CHARACTERIZATION SAMPLE RESULTS - JULY 2004**  
**IGNITABILITY/REACTIVITY/PH/PAINT FILTER**

| Sample Identification      | CS-1<br>07/19/04 | CS-2<br>07/19/04 | CS-3<br>07/19/04 | Instrument<br>Detection<br>Limit | Regulatory<br>Level* |
|----------------------------|------------------|------------------|------------------|----------------------------------|----------------------|
|                            |                  |                  |                  |                                  |                      |
| Date of Collection         |                  |                  |                  |                                  |                      |
| Cyanide, reactive (mg/kg)  | U                | U                | U                | 3.5                              |                      |
| Flashpoint (deg F)         | U                | U                | U                | 200                              |                      |
| Sulfides, reactive (mg/kg) | U                | U                | U                | 3.5                              |                      |
| Free liquid (ml/100g)      | U                | U                | U                | 1                                | <140 F               |

**QUALIFIERS:**

U: Compound analyzed for but not detected

**NOTES:**

\*: 40 CFR Part 261

Indicates value exceeds regulatory level.

TABLE 2a.  
AMERICAN CLEANERS SITE  
PRE-DESIGN INVESTIGATION  
SOIL VAPOR SAMPLE RESULTS - SEPTEMBER 2004  
VOLATILE ORGANIC COMPOUNDS

| Sample Location           | 36 Seminary       | 52 Walnut         |
|---------------------------|-------------------|-------------------|
| Sample Identification     | A1                | A2                |
| Sample Type               | subslab           | subslab           |
| Date Collected            | 9/14/04           | 9/14/04           |
| Units                     | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| Vinyl chloride            | U                 | U                 |
| 1,1-Dichloroethene        | U                 | U                 |
| 1,1-Dichloroethane        | U                 | U                 |
| cis-1,2-Dichloroethene    | U                 | U                 |
| 1,1,1-Trichloroethane     | U                 | 0.42              |
| Benzene                   | U                 | 0.76              |
| 1,2-Dichloroethane        | U                 | U                 |
| Trichloroethene           | 150               | U                 |
| Toluene                   | 5.2               | 1.5               |
| 1,1,2-Trichloroethane     | U                 | U                 |
| Tetrachloroethylene       | 4600              | 18                |
| Ethylbenzene              | U                 | 0.18              |
| m,p-Xylene                | U                 | 0.77              |
| o-Xylene                  | U                 | 0.24              |
| 1,1,2,2-Tetrachloroethane | U                 | U                 |
| trans-1,2-Dichloroethene  | U                 | U                 |
| Methyl tert-butyl ether   | U                 | U                 |

QUALIFIERS:

U: Compound analyzed for but not detected  
J\*: Result qualified as estimated, possibly biased high based on ambient conditions  
D: Result taken from reanalysis at a secondary dilution

**TABLE 3**  
**AMERICAN CLEANERS SITE**  
**PRE-DESIGN INVESTIGATION**  
**WATER LEVEL MEASUREMENT SUMMARY**

| WELL | GROUND ELEVATION (ft MSL) | REFERENCE ELEVATION (ft MSL) | TOP OF SCREEN (ft BG) | BOTTOM SCREEN (ft BG) | DATE     |        |         |        |         |        |         |        |         |        |         |        |
|------|---------------------------|------------------------------|-----------------------|-----------------------|----------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
|      |                           |                              |                       |                       | 11/27/00 |        | 1/31/01 |        | 2/15/01 |        | 7/19/04 |        | 8/27/04 |        | 9/14/04 |        |
|      |                           |                              |                       |                       | DTW      | ELEV   | DTW     | ELEV   | DTW     | ELEV   | DTW     | ELEV   | DTW     | ELEV   | DTW     | ELEV   |
| MW-1 | 869.3                     | 868.77                       | 10.0                  | 15.0                  | 16.89    | 851.88 | 16.67   | 852.10 | 16.30   | 852.47 | 16.41   | 852.36 | 15.78   | 852.99 | 16.06   | 852.71 |
| MW-2 | 867.1                     | 866.69                       | 11.1                  | 21.1                  | 12.04    | 854.65 | 11.64   | 855.05 | 11.21   | 855.48 | 9.33    | 857.36 | 9.31    | 857.38 | 9.89    | 856.80 |
| MW-3 | 868.8                     | 867.92                       | 12.2                  | 27.2                  | 17.28    | 850.64 | 17.03   | 850.89 | 16.51   | 851.41 | 16.52   | 851.40 | 15.73   | 852.19 | 15.98   | 851.94 |
| MW-4 | 868.1                     | 867.57                       | 16.0                  | 26.0                  | NI       | NI     | NI      | NI     | 15.53   | 852.04 | 14.58   | 852.99 | 13.45   | 854.12 | 13.97   | 853.60 |
| MW-5 | 870.1                     | 869.79                       | 18.0                  | 28.0                  | NI       | NI     | NI      | NI     | 16.98   | 852.81 | 17.21   | 852.58 | 16.06   | 853.73 | 16.31   | 853.48 |
| PZ-1 | 860.2                     | 860.92                       | 0.0                   | 4.0                   | NI       | NI     | NI      | NI     | NI      | NI     | 3.52    | 857.40 | 3.30    | 857.62 | 3.40    | 857.52 |
| PZ-2 | 860.4                     | 861.07                       | 0.0                   | 3.0                   | NI       | NI     | NI      | NI     | NI      | NI     | 3.53    | 857.54 | 3.47    | 857.60 | 3.71    | 857.36 |
| PZ-3 | 860.5                     | 861.48                       | 0.0                   | 2.0                   | NI       | NI     | NI      | NI     | NI      | NI     | 2.46    | 859.02 | 1.87    | 859.61 | 1.82    | 859.66 |
| PZ-4 | 860.5                     | 861.24                       | 0.0                   | 1.5                   | NI       | NI     | NI      | NI     | NI      | NI     | 1.85    | 859.39 | 1.57    | 859.67 | 1.49    | 859.75 |
| PZ-5 | 860.5                     | 861.35                       | 0.0                   | 1.5                   | NI       | NI     | NI      | NI     | NI      | NI     | 1.86    | 859.49 | 1.67    | 859.68 | 1.62    | 859.73 |

**NOTES:**

- ft MSL - feet above mean sea level.
- ft BG - feet below ground.
- DTW - depth to water in feet relative to top of well casing.
- ELEV - groundwater elevation in feet above mean sea level.
- NI - not installed.

***ATTACHMENT C***  
***SURVEY MAP***



***ATTACHMENT D***  
***ASBESTOS AND LEAD-BASED PAINT SURVEY***

YEC, INC./YEC ENGINEERING, P.C.

Clarkstown Executive Park  
612 Corporate Way, Suite 4M  
Valley Cottage, NY 10989  
Tel: (845) 268-3203 Fax: (845) 268-5313

November 10, 2004

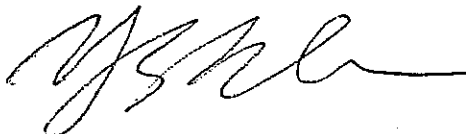
David Glass  
Dvirka & Bartilucci Consulting Engineers  
3000 Hadley Road, 3<sup>rd</sup> Floor  
South Plainfield, NJ 07080

Re: Final Report – Asbestos/Lead Inspection – American Cleaners Site

Dear Mr. Glass:

As requested, we are enclosing a final bound copy of the above-referenced report. Please feel free to contact me if you require anything further.

Very truly yours



Y.S. Ed Chen, Ph.D., P.E.  
President, YEC, Inc.

✓ cc: Sean Pepling, Dvirka & Bartilucci (unbound copy)

**INSPECTION FOR ASBESTOS CONTAINING  
MATERIALS AND LEAD-BASED PAINT**

Performed at:

**American Cleaners  
48-50 Walnut Street  
Binghamton, NY**

Performed for:

**Dvirka & Bartilucci Consulting Engineers  
P.O. Box 56  
5879 Fisher Road  
E. Syracuse, NY 13057-0056**

Prepared by:

**YEC, Inc.  
612 Corporate Way, Suite 4M  
Valley Cottage, New York 10989**

**Project # D003600**

**November 2004**

## Executive Summary

YEC, Inc. was hired by D&B Engineering Consultants under NYS Superfund Standby Contract # D003600 to conduct an Asbestos and Lead-based Paint (LBP) and Asbestos inspection on the three structures located on the American Cleaners Site, Binghamton, NY. The structures, a two-story wood frame house, a one story concrete building, and a concrete garage, were to be demolished as part of a remedial design project

YEC field personnel collected twenty-one (21) suspect asbestos-containing materials (SACM) to be analyzed for asbestos content and visually inspected materials homogeneous with the samples collected. Asbestos is any material or product, which contains more than 1% asbestos. Eight samples analyzed contained more than 1% asbestos. All other structural materials were not SACM. Based on the asbestos investigation, 2,297 sq. ft. and 82 linear feet of asbestos were found on site. Detailed descriptions of confirmed ACM and homogeneous areas are noted in Table 2-1 and Appendix B.

YEC field personnel collected thirty-one (31) paint chip samples to be analyzed for LBP and visually inspected all the painted surfaces to note their equivalence to the samples taken. LBP is defined as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or more than 0.5 percent by weight. Ten samples analyzed contained more than 0.5 percent lead by weight. Detailed descriptions of confirmed LBP and paint equivalents are noted in Table 3-1 and Appendix D.

SACM samples were submitted to AmeriSci New York (NYSDOH ELAP Lab Certification # 10984) following ELAP 198.1 PLM and 198.4 TEM methods of analysis. Paint chip samples collected by YEC field personnel were removed from substrate materials using field-decontaminated scrapers. Paint chip samples were sent to AmeriSci Boston (NYSDOH ELAP Lab Certification # 10982) and were analyzed using the 7420, SW-846 method. SACM samples were watered down to minimize fiber release and were removed using field-decontaminated hand tools.

Removal of asbestos will be required in accordance with applicable NYS regulations prior to the demolition of the building. The LBP coated materials can be disposed of in a construction and demolition landfill per EPA Final Rule - Federal Register: June 18, 2003 (Volume 68, Number 117) and NYSDEC TAGM SW-89-2002 so long as the paint is not removed from its substrate.

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### **Appendices**

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## 1.0 INTRODUCTION

YEC, Inc. was hired by D&B Engineering Consultants under NYS Superfund Standby Contract # D003600 to conduct an Asbestos and Lead-based Paint (LBP) investigation on the American Cleaners Site. The Site contains structures that are to be demolished as part of a remedial design project.

The American Cleaners Site is located in a residential neighborhood at 48-50 Walnut Street, Binghamton, New York. There are three structures located on the site: a two-story wood frame house attached to a one story concrete building and a concrete garage. The two-story house with a pitched roof was constructed in the 1930's/1940's. A one-story concrete block building with a flat roof, parapet wall, and windowed roof protrusions was added to the wood frame house later to facilitate dry cleaning. Basements were associated with both structures and were connected at the time of the investigation. A concrete garage with a flat roof and a parapet wall was also constructed on the property during or after the concrete block building was built. The approximate square footage of each floor of the wooden frame house was (800 sq.ft.), concrete block building was (1900 sq.ft.), concrete garage was (360 sq.ft.), combined basement was (2700 sq.ft.). The entire structure was abandoned and boarded up. No utility service existed at the time of the investigation.

YEC conducted the Asbestos and Lead-based Paint investigation on July 19-20, 2004.

## 2.0 Asbestos Inspection

YEC, Inc. conducted an asbestos inspection for the presence of Asbestos Containing Materials (ACM) on the three structures located at the American Cleaners Site, Binghamton, NY on July 19-20, 2004. The inspector responsible for this project was John LoMonaco, NYS Inspector #98-19479. A copy of his certification and YEC's Asbestos Handling License is located in Appendix A.

The inspection was characterized by a close visual inspection of all accessible areas of the structures located on the site to identify any structural building materials considered asbestos-containing materials. Suspect materials found were sampled and inventoried for color, quantity, condition, and material type. See Figures 1-4, pages 16-19 for location of samples and Appendix B for a summary of field notes taken during inspection. YEC field personnel collected twenty-one (21) suspect asbestos-containing materials (SACM) to be analyzed for asbestos content and visually inspected materials homogeneous with the samples collected. SACM samples were watered down to minimize fiber release and were removed using field-decontaminated field tools. Materials suspected to contain asbestos included:

Roofs – roof tar, tar paper, tar patching, hair-like, insulation, roof shingles

Exterior – window glaze, siding shingles, chimney stack insulation, chimney mortar

1<sup>st</sup> Floor – floor tile and mastic, gypsum board, wiring associated with metal switch boxes, outlets and heat control panels, interior window glaze, decorative floor paper, pipe insulation, cloth wire insulation

2<sup>nd</sup> Floor – gypsum board, wiring associated with metal switch boxes, outlets and heat control panels

Basement of concrete building – cloth wire insulation

Basement of house (includes boiler room and storage room) – pipe insulation, cloth wire insulation, cementitious plaster, chimney mortar

Samples were placed in ziplock bags and shipped via Federal Express to AmeriSci New York (NYSDOH ELAP Lab Certification # 10984 – see Appendix A for a copy of laboratory certification) for analysis. Analysis was performed following ELAP 198.1 PLM and 198.4 TEM methods. Any material or product, which contained more than 1% asbestos was considered to be asbestos containing. Eight samples analyzed contained more than 1% asbestos. The following areas were found to contain asbestos:

### Roof

Grey tar patching material – located on flat roof of concrete building (215 sq.ft.) (Sample AC-04)

White window glaze – located on 10 wooden window frames associated with the protrusions (skylights) on the flat roof of concrete building (50 LF) (Sample AC-10)

#### Exterior

White shingles (painted gray) – located on west and east exterior of 2<sup>nd</sup> floor of house, and on east exterior of 1<sup>st</sup> floor of house (1080 sq.ft) (Sample AC-07)

Chimney insulation (white) – located on cylindrical chimney stack that runs vertically on exterior north face of house (20 LF) (Sample AC-21)

#### 1<sup>st</sup> Floor

9" x 9" floor tile and mastic – located on Room A, concrete building (500 sq.ft. of each material) (Samples AC-11,12)

Pipe insulation – located on 2 vertical pipes in NW corner of Room 6, house (12 LF) (Sample AC-19)

#### Basement

Pipe insulation – located at east wall ceiling in boiler pit room in basement under house (2 sq.ft.) (Sample AC-14)

There was some suspect wiring throughout all sections of the concrete and wood frame buildings. Sample AC-20 was taken from 3 distinctly different areas of the building (Room B-4 electric panel, Boiler Pit Room electric panel, and light switch in Room 4) and yielded negative results. Thus, the wiring throughout all the walls of the building was considered non ACM.

Table 2-1 summarizes the samples taken during the inspection and their results. Laboratory results can be found in Appendix C. Based on the asbestos investigation, 2,297 sq. ft. and 82 linear feet of asbestos were found on site.

No other structural materials found were suspected to contain ACM. These materials included:

Concrete, etc. - brick, cement, and porcelain portions of parapet wall, concrete walls, concrete ceilings, concrete floors, concrete foundation, stone exterior walls, brick exterior walls

Vinyl – exterior siding

Wood - doors, door frames, windows, floors, ceilings, stairs, wood banisters, attic, baseboards, plywood on boarded up windows, telephone pole wire tie-in, wood roof layer

Metal – flues, aluminum gutter, aluminum shroud, metal wood frames billboard and roof brackets, switchboxes, outlets and heat control panels, metal fans, tin drop ceiling, metal banister, metal pipes

Rubber – wiring

**Table 2-1 Asbestos Sample Summary**

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
 Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
 Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description       | Location                                  | Quantity             | Condition | Comments     | PLM       | TEM        |
|---------------|----------------------------|-------------------------------------------|----------------------|-----------|--------------|-----------|------------|
| AC-01A        | Black roof tar             | SW area of flat roof                      | 1200 ft <sup>2</sup> | Fair      | See Figure 1 | NAD       | NAD        |
| AC-01B        |                            | Eastern area of flat roof                 |                      |           |              |           |            |
| AC-01C        |                            | Center of garage roof                     |                      |           |              |           | Trace Chr. |
| AC-02A        | Brown hair-like insulation | SW area of flat roof                      | 964 ft <sup>2</sup>  | Fair      | See Figure 1 | NAD       | NA         |
| AC-02B        |                            | Eastern area of flat roof                 |                      |           |              |           |            |
| AC-02C        |                            | Center of garage roof                     |                      |           |              |           |            |
| AC-03A        | Black tar paper            | SW area of flat roof                      | 1200 ft <sup>2</sup> | Fair      | See Figure 1 | NAD       | NAD        |
| AC-03B        |                            | Eastern area of flat roof                 |                      |           |              |           |            |
| AC-03C        |                            | Center of garage roof                     |                      |           |              |           |            |
| AC-04A        | Gray tar patching material | Center of South parapet wall              | 215 ft <sup>2</sup>  | Good      | See Figure 1 | 6.2% Chr. | NA         |
| AC-04B        |                            | Base of billboard bracket                 |                      |           |              | NA/PS     | NA         |
| AC-04C        |                            | Base of flue at Eastern edge of flat roof |                      |           |              | NA/PS     | NA         |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description              | Location                              | Quantity             | Condition | Comments     | PLM      | TEM |
|---------------|-----------------------------------|---------------------------------------|----------------------|-----------|--------------|----------|-----|
| AC-05A        | Light green shingle               | SW area of first floor sloped roof    | 200 ft <sup>2</sup>  | Good      | See Figure 1 | NAD      | NAD |
| AC-05B        |                                   | NW area of first floor sloped roof    |                      |           |              |          |     |
| AC-05C        |                                   | NE area of first floor sloped roof    |                      |           |              |          |     |
| AC-06A        | Light green shingle paper (black) | SW area of first floor sloped roof    | 300 ft <sup>2</sup>  | Good      | See Figure 1 | NAD      | NAD |
| AC-06B        |                                   | NW area of first floor sloped roof    |                      |           |              |          |     |
| AC-06C        |                                   | NE area of first floor sloped roof    |                      |           |              |          |     |
| AC-07A        | Gray shingles                     | West side of second floor of house    | 1080 ft <sup>2</sup> | Fair      | See Figure 1 | 22% Chr. | NA  |
| AC-07B        |                                   | West side of second floor of house    |                      |           |              | NA/PS    | NA  |
| AC-07C        |                                   | East side of second floor of house    |                      |           |              | NA/PS    | NA  |
| AC-08A        | Green shingles                    | South side of second floor house roof | 700 ft <sup>2</sup>  | Fair      | See Figure 1 | NAD      | NAD |
| AC-08B        |                                   | West side of second floor house roof  |                      |           |              |          |     |
| AC-08C        |                                   | East side of second floor house roof  |                      |           |              |          |     |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description       | Location                                         | Quantity            | Condition | Comments     | PLM        | TEM                      |
|---------------|----------------------------|--------------------------------------------------|---------------------|-----------|--------------|------------|--------------------------|
| AC-09A        | Beige chimney brick mortar | South side of southernmost chimney at roof level | 50 LF               | Fair      | See Figure 1 | NAD        | NA                       |
| AC-09B        |                            | West side of southernmost chimney at roof level  |                     |           |              |            |                          |
| AC-09C        |                            | East side of southernmost chimney at roof level  |                     |           |              |            |                          |
| AC-10A        | White window glaze         | Window of south facing protrusion/skylight       | 50 LF               | Poor      | See Figure 1 | Trace Chr. | Trace Anth.<br>1.4% Chr. |
| AC-10B        |                            | Window of south facing protrusion/skylight       |                     |           |              | Trace Chr. | NA/PS                    |
| AC-10C        |                            | Window of north facing protrusion/skylight       |                     |           |              | NAD        | NA/PS                    |
| AC-11A        | 9" x 9" floor tile         | NE corner of floor in Room A                     | 500 ft <sup>2</sup> | Poor      | See Figure 2 | Trace Chr. | <1% Anth.<br>8.5% Chr.   |
| AC-11B        |                            | SE corner of floor in Room A                     |                     |           |              | Trace Chr. | NA/PS                    |
| AC-11C        |                            | SW corner of floor in Room A                     |                     |           |              | Trace Chr. | NA/PS                    |
| AC-12A        | 9" x 9" floor tile mastic  | NE corner of floor in Room A                     | 500 ft <sup>2</sup> | Poor      | See Figure 2 | NAD        | <1% Chr.                 |
| AC-12B        |                            | SE corner of floor in Room A                     |                     |           |              | NA         | NA/PS                    |
| AC-12C        |                            | SW corner of floor in Room A                     |                     |           |              | NA         | NA/PS                    |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description  | Location                                     | Quantity            | Condition | Comments     | PLM        | TEM        |
|---------------|-----------------------|----------------------------------------------|---------------------|-----------|--------------|------------|------------|
| AC-13A        | Gypsum board          | East wall of Room B                          | 950 ft <sup>2</sup> | Poor      | See Figure 2 | NAD        | NA         |
| AC-13B        |                       | West wall of Room B                          |                     |           |              |            |            |
| AC-13C        |                       | East wall of Room A                          |                     |           |              |            |            |
| AC-14A        | Pipe insulation       | East wall at ceiling of Boiler Pit Room      | 2 ft <sup>2</sup>   | Poor      | See Figure 4 | 57% Chr.   | NA         |
| AC-14B        |                       | East wall at ceiling of Boiler Pit Room      |                     |           |              |            |            |
| AC-14C        |                       | East wall at ceiling of Boiler Pit Room      |                     |           |              |            |            |
| AC-15A        | Plaster on stone wall | East wall of Boiler Pit Room                 | 350 ft <sup>2</sup> | Poor      | See Figure 4 | NAD        | NA         |
| AC-15B        |                       | North wall of Boiler Pit Room                |                     |           |              |            |            |
| AC-15C        |                       | West wall of Boiler Pit Room                 |                     |           |              |            |            |
| AC-16A        | Window glaze/caulk    | Easternmost window on south wall of Room C   | 180 LF              | Poor      | See Figure 2 | Trace Chr. | Trace Chr. |
| AC-16B        |                       | Large central window on south wall of Room C |                     |           |              |            |            |
| AC-16C        |                       | Westernmost window on south wall of Room C   |                     |           |              |            |            |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description     | Location                                         | Quantity            | Condition | Comments                  | PLM      | TEM |
|---------------|--------------------------|--------------------------------------------------|---------------------|-----------|---------------------------|----------|-----|
| AC-17A        | Gypsum board             | South wall of Room #3                            | Not Quantified      | Poor      | See Figure 2              | NAD      | NA  |
| AC-17B        |                          | North wall beneath staircase of Room #6          |                     |           |                           |          |     |
| AC-17C        |                          | West wall of Room #2                             |                     |           |                           |          |     |
| AC-18A        | Floor paper – decorative | Northwest corner of floor in Room #7             | 285 ft <sup>2</sup> | Poor      | See Figure 2              | NAD      | NA  |
| AC-18B        |                          | Southeast corner of floor in Room #7             |                     |           |                           |          |     |
| AC-18C        |                          | Center of floor in Room #5                       |                     |           |                           |          |     |
| AC-19A        | Pipe insulation          | Vertical pipes in northwest corner of Room #6    | 12 LF               | Poor      | See Figure 2              | 57% Chr. | NA  |
| AC-19B        |                          | Vertical pipes in northwest corner of Room #6    |                     |           |                           | NA/PS    | NA  |
| AC-19C        |                          | Vertical pipes in northwest corner of Room #6    |                     |           |                           | NA/PS    | NA  |
| AC-20A        | Cloth wire insulation    | Electrical panel on west wall of Room B4         | Not Quantified      | Poor      | See Figure 2 and Figure 4 | NAD      | NAD |
| AC-20B        |                          | Electrical panel on west wall of Boiler Pit Room |                     |           |                           | NAD      | NAD |
| AC-20C        |                          | Light switch on west wall of Room #4             |                     |           |                           | NAD      | NAD |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
Shaded Areas Indicate Asbestos

Reported by: John LoMonaco  
Survey Dates: 07/19/04, 07/20/04

| Sample Number | Material Description    | Location                                             | Quantity | Condition | Comments     | PLM      | TEM |
|---------------|-------------------------|------------------------------------------------------|----------|-----------|--------------|----------|-----|
| AC-21A        | Cementitious insulation | Cylindrical chimney stack on north exterior of house | 20 LF    | Fair      | See Figure 1 | NAD      | NAD |
| AC-21B        |                         | Cylindrical chimney stack on north exterior of house |          |           |              |          |     |
| AC-21C        |                         | Cylindrical chimney stack on north exterior of house |          |           |              | 24% Chr. | NA  |
|               |                         |                                                      |          |           |              | NA/PS    | NA  |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |
|               |                         |                                                      |          |           |              |          |     |

Notes:  
NA = Not analyzed  
NAD = No asbestos detected  
NA/PS = Not analyzed/positive stop  
Chr = Chrysotile  
Anth = Anthophyllite

### 3.0 Lead-based Paint Inspection

YEC, Inc. conducted lead-based inspection for the presence of Lead-based Paint (LBP) on the three structures located at the American Cleaners Site, Binghamton, NY on July 20, 2004.

The lead-based paint inspection was performed to identify paint that contains lead above allowable levels. YEC field personnel collected thirty-one (31) paint chips to be analyzed for LBP and visually inspected all painted surfaces to note their equivalence to the samples taken. See Figures 1-4, pages 16-19 for location of samples and Appendix D for a summary of field notes taken during inspection. Samples were removed from substrate materials using field-decontaminated scrapers. All painted surfaces in or on the three structures were characterized.

Paint chip samples were sent to AmeriSci Boston (NYSDOH ELAP Lab Certification # 10982 – see Appendix A for copy of laboratory certification) and were analyzed using the 7420, SW-846 method. Lead-based paint is defined as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or more than 0.5 percent by weight. Ten samples analyzed contained more than 0.5% lead by weight. The following areas were found to contain lead based paint:

#### Exterior – house

- Grey Paint on Wood – located on interior and exterior of door and doorframe of exterior door leading to Room 8 on 1<sup>st</sup> Floor of house (Sample LAC-31)

#### 1<sup>st</sup> Floor - house

- Yellow/Beige Paint on Gypsum Board – located on all walls and ceilings of Room 1 and 2, all walls of Room 6 (Sample LAC-11)

- Yellow/Green Paint on Wood – located on doorframes in Rooms 1-7, window frames in Rooms 4 and 7, on baseboards in Room 6 (Sample LAC-09)

#### 2<sup>nd</sup> Floor – house

- Beige/Yellow/White Paint on Wood – located on doors, door frames, window frames, and baseboards in Rooms 9-15 (Sample LAC-11)

- Green Paint on Gypsum – located on walls and ceiling in Room 9 (Sample LAC-13)

- Brown Paint on Wood – located on stairs between first and second floor, between rooms 6 and 9 (Sample LAC-14)

#### Basement – under concrete building and house

- Grey/White Paint on Concrete – located on all walls of Room B1 (Sample LAC-16)

Yellow Paint on Concrete – located on all walls of Room B-Main (Sample LAC-21)

Grey Paint on Concrete – located all walls of Room B5 and all walls and ceilings of Room 8 (Sample LAC-22)

Grey Paint on Metal – located on door and doorframe of north door of Room B-Main to Room B5 and on the door and doorframe at the east end of Room B-Main leading to the stairwell (Sample LAC-23)

Table 3-1 summarizes the samples taken during the inspection and their results. Laboratory results can be found in Appendix E.

**Table 3-1 Suspect Lead-Based Paint Sample Summary**

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY

Reported by: John LoMonaco

Shaded Areas Indicate Lead-Based Paint

Survey Date: 07/20/04

| Sample Number | Paint Color(s)         | Sample Location                                    | Substrate    | Condition | Percentage of Lead By Weight |
|---------------|------------------------|----------------------------------------------------|--------------|-----------|------------------------------|
| LAC-01        | White                  | SE corner of Drop Ceiling in Room A                | Tin          | Fair      | 0.0842%                      |
| LAC-02        | White/Gold             | South Wall of Room A                               | Gypsum Board | Poor      | No Lead was Detected         |
| LAC-03        | White                  | Interior North Door of Room A                      | Wood         | Poor      | 0.0262%                      |
| LAC-04        | White                  | West Wall of Room B                                | Gypsum Board | Poor      | 0.217%                       |
| LAC-05        | Yellow/Gray            | North Wall of Room C                               | Concrete     | Poor      | 0.447%                       |
| LAC-06        | Yellow                 | West Wall of Room C                                | Gypsum Board | Poor      | 0.0232%                      |
| LAC-07        | Yellow/Gray/<br>Green  | East Doorframe in Room C, Leading to the Stairwell | Metal        | Poor      | 0.262%                       |
| LAC-08        | Yellow/Beige           | East Wall of Room 1                                | Gypsum Board | Poor      | 0.548%                       |
| LAC-09        | Yellow/Green           | Doorframe of Room 4 to Room 2                      | Wood         | Poor      | 23.6%                        |
| LAC-10        | Green                  | South Wall of Room 4                               | Gypsum Board | Poor      | 0.219%                       |
| LAC-11        | Beige/Yellow/<br>White | Door Frame of Room 9 to Room 12                    | Wood         | Poor      | 15.3%                        |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
 Shaded Areas Indicate Lead-Based Paint

Reported by: John LoMonaco  
 Survey Date: 07/20/04

| Sample Number | Paint Color(s) | Sample Location                                                   | Substrate    | Condition | Percentage of Lead By Weight |
|---------------|----------------|-------------------------------------------------------------------|--------------|-----------|------------------------------|
| LAC-12        | Beige          | West Wall of Room 15                                              | Gypsum Board | Poor      | 0.0384%                      |
| LAC-13        | Green          | North Wall of Room 9                                              | Gypsum Board | Poor      | 0.519%                       |
| LAC-14        | Brown          | Stairs in Room 9                                                  | Wood         | Poor      | 14.3%                        |
| LAC-15        | Gray           | Interior East Exit Door of Room C, Leading to the Outside Walkway | Metal        | Poor      | 0.0370%                      |
| LAC-16        | Gray/White     | West Wall of Room B1                                              | Concrete     | Poor      | 0.519%                       |
| LAC-17        | Beige          | Doorframe of Room B1                                              | Wood         | Poor      | 0.485%                       |
| LAC-18        | Beige          | North Wall of Room B2                                             | Concrete     | Poor      | 0.394%                       |
| LAC-19        | White          | Central Horizontal Ceiling I-Beam in Room B-Main                  | Metal        | Poor      | 0.128%                       |
| LAC-20        | Yellow         | North Wall of Room B3                                             | Concrete     | Poor      | 0.217%                       |
| LAC-21        | Yellow         | South Wall of B-Main                                              | Concrete     | Poor      | 0.525%                       |
| LAC-22        | Gray           | South Wall of Room B5                                             | Concrete     | Poor      | 0.894%                       |
| LAC-23        | Gray           | Door of B-Main to Room B5                                         | Metal        | Poor      | 5.47%                        |

Project: American Cleaners: 48-50 Walnut Street Binghamton, NY  
 Shaded Areas Indicate Lead-Based Paint

Reported by: John LoMonaco  
 Survey Date: 07/20/04

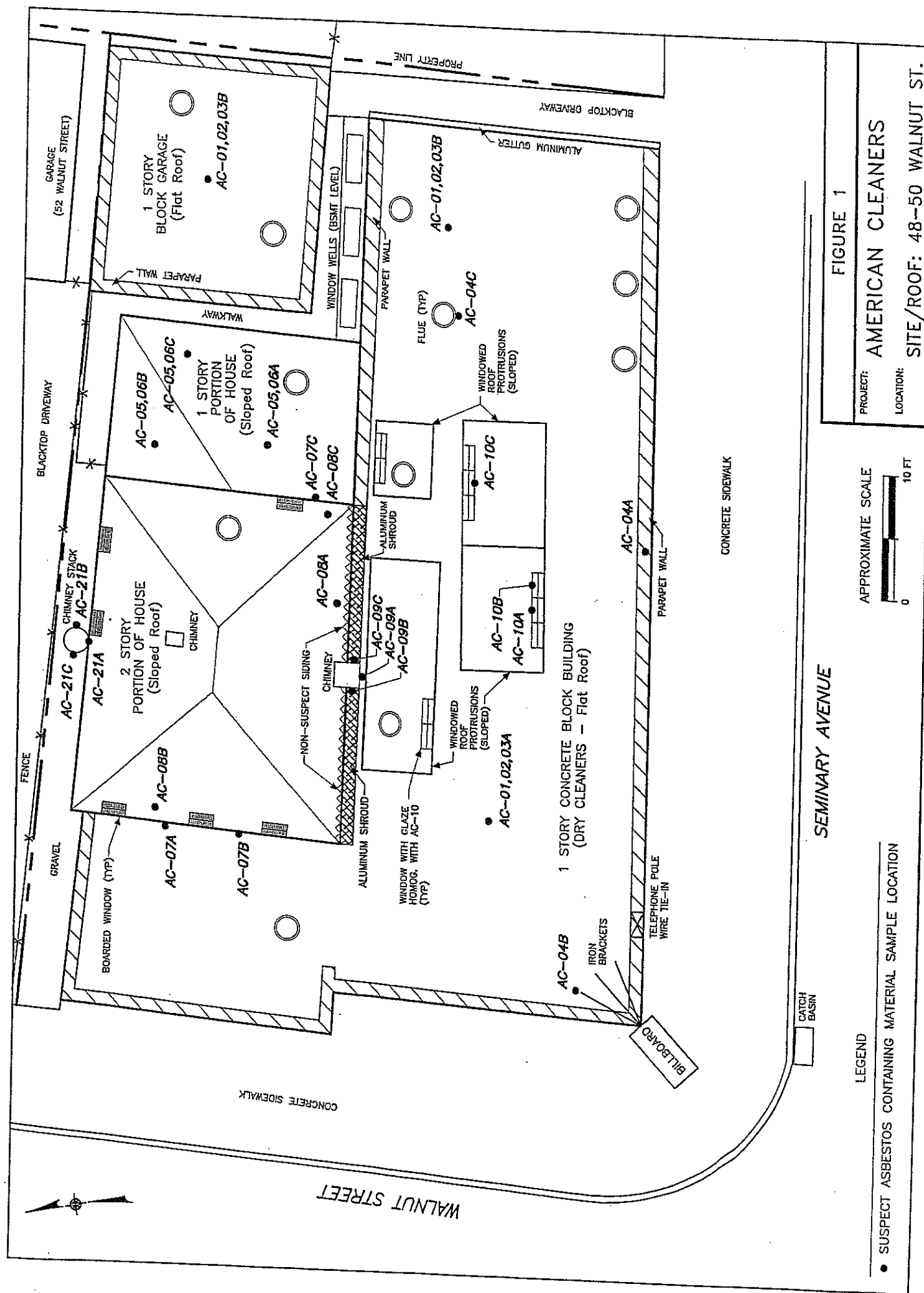
| Sample Number | Paint Color(s) | Sample Location                      | Substrate | Condition | Percentage of Lead By Weight |
|---------------|----------------|--------------------------------------|-----------|-----------|------------------------------|
| LAC-24        | Gray           | Exterior North Face of Room B        | Concrete  | Poor      | 0.0313%                      |
| LAC-25        | Gray           | Exterior North Face of House         | Shingle   | Fair      | 0.116%                       |
| LAC-26        | Gray           | Exterior West Face of Room A         | Brick     | Fair      | 0.0374%                      |
| LAC-27        | Gray           | Exterior South Face of Room C        | Stone     | Poor      | 0.0363%                      |
| LAC-28        | White          | Exterior East Face of Room C         | Stone     | Poor      | 0.0478%                      |
| LAC-29        | Gray/White     | Exterior of Door to Room C Stairwell | Wood      | Poor      | 0.0307%                      |
| LAC-30        | Gray           | Exterior South Face of the Garage    | Concrete  | Poor      | No Lead was Detected         |
| LAC-31        | Gray           | Exterior of Door to Room 8           | Wood      | Poor      | 9.48%                        |

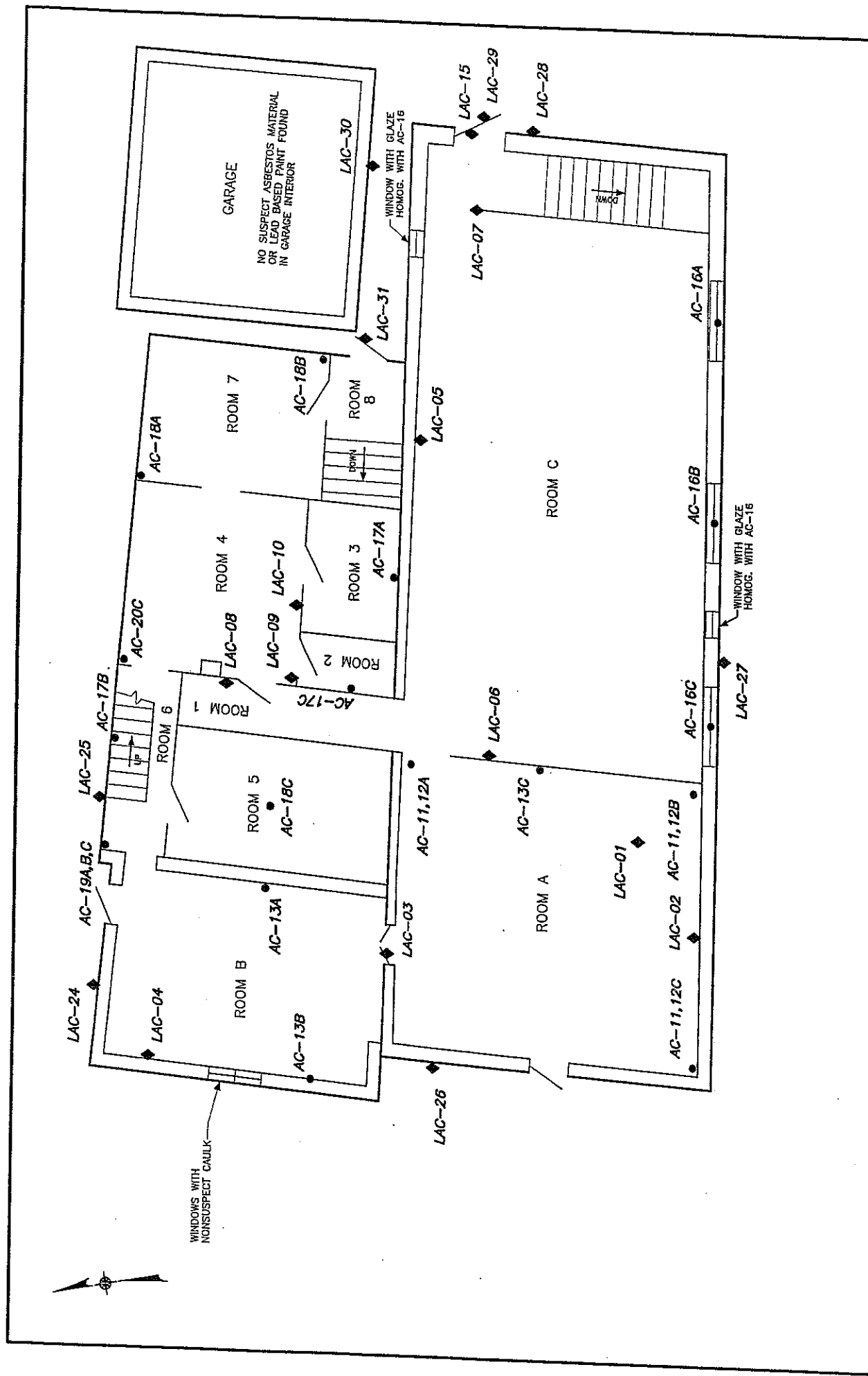
#### 4.0 Conclusions and Recommendations

Based on the asbestos inspection, 2,297 square feet and 82 linear feet of asbestos were found at various locations on or in the concrete and wood frame buildings located on the American Cleaners Site. No asbestos materials were found on or in the concrete garage. Removal of asbestos will be required in accordance with applicable New York State regulations prior to the demolition of the building.

Based on the lead-based paint inspection, lead was present in painted surfaces of the 1<sup>st</sup> and 2<sup>nd</sup> floor of the wood frame house and in the basement of the concrete building. No lead-based paint was found on or in the concrete garage. The LBP coated materials can be disposed of in a construction and demolition landfill per EPA Final Rule - Federal Register: June 18, 2003 (Volume 68, Number 117) and NYSDEC TAGM SW-89-2002 so long as the paint is not removed from its substrate. Construction work where an employee may be occupationally exposed to lead is regulated by OSHA in 29 CFR 1926.62.

Recommendations in this paragraph apply if the property is not going to be demolished. The information in this report regarding lead-based paint must be disclosed to all existing and new residents and to any new buyer in the future, under the Lead Disclosure Rule (24 CFR part 35, subpart A (HUD's rule) and 40 CFR part 745, subpart F (EPA's identical rule). Property owners may wish to consider contracting a New York State licensed lead-based risk assessor to elaborate on information provided in this report. A risk assessor can recommend ways of eliminating lead-based paint hazards and can help design a lead-based paint maintenance and re-evaluation program.





## LEGEND

- SUSPECT ASBESTOS CONTAINING MATERIAL SAMPLE LOCATION  
◆ SUSPECT LEAD-BASED PAINT SAMPLE LOCATION

FIGURE 2

**PROJECT:**

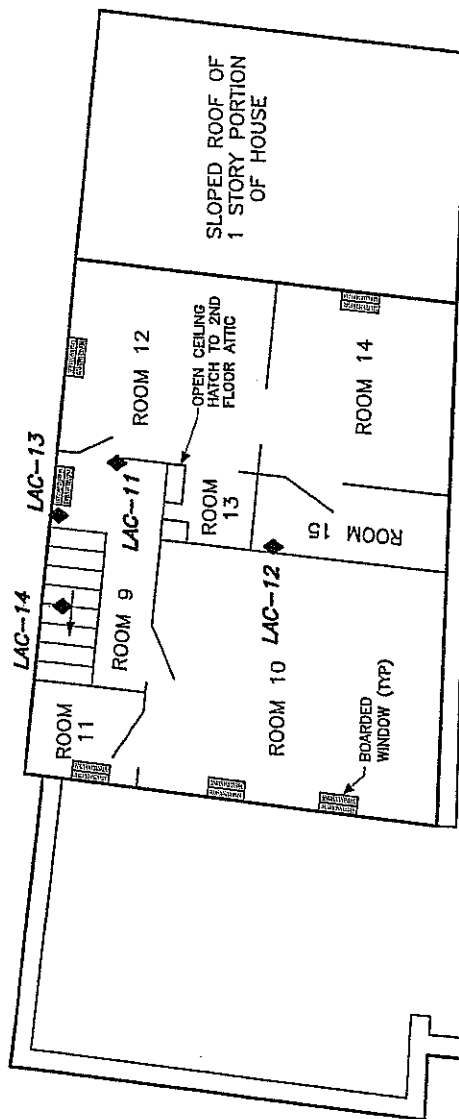
AMERICAN CLEANERS

**LOCATION:**

1ST FLOOR: 48--50 WALNUT ST.

APPROXIMATE SCALE





FLAT ROOF OF 1 STORY CONCRETE BLOCK BUILDING  
(DRY CLEANERS)

LEGEND

- SUSPECT ASBESTOS CONTAINING MATERIAL SAMPLE LOCATION
- ◆ SUSPECT LEAD-BASED PAINT SAMPLE LOCATION

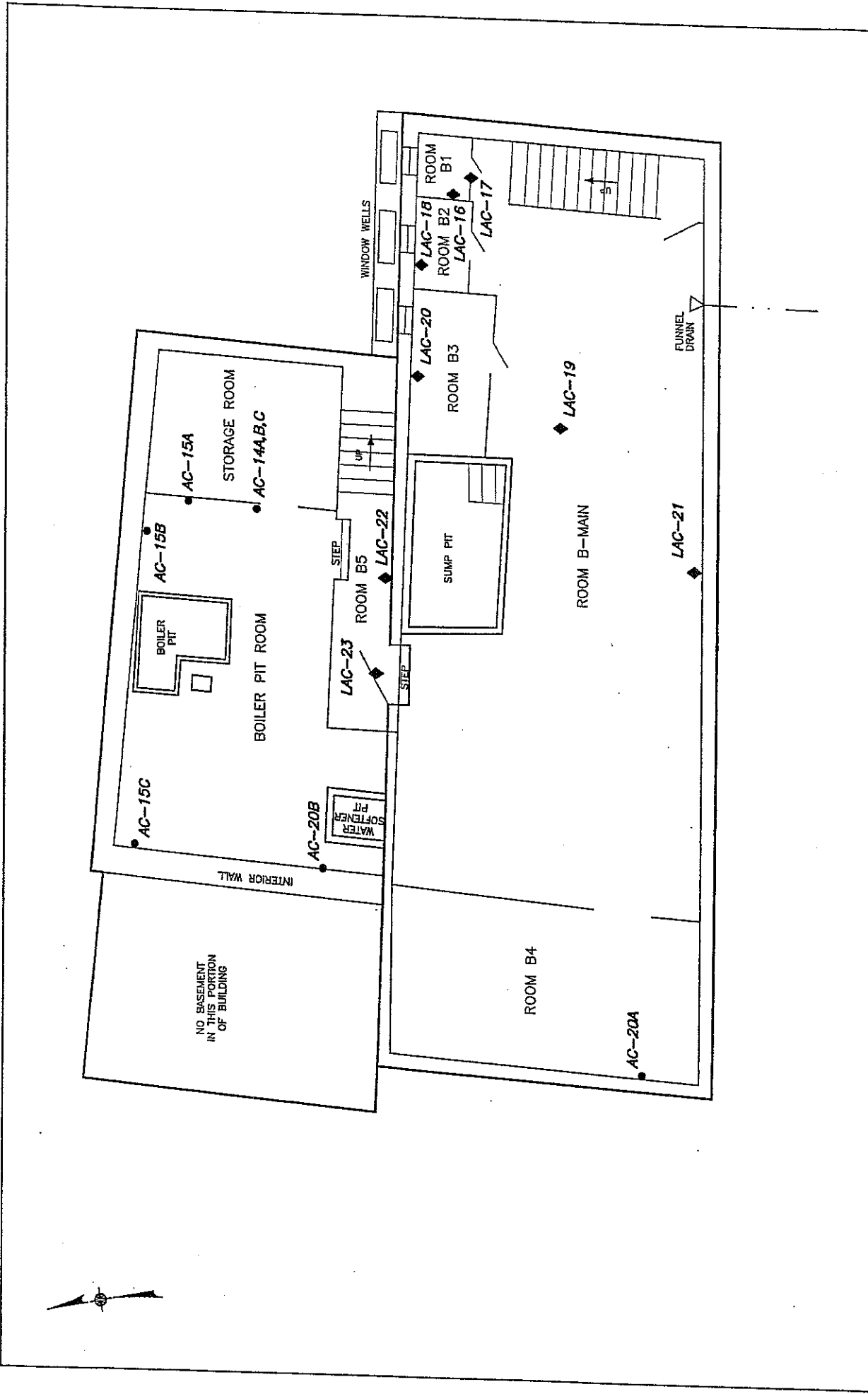
APPROXIMATE SCALE



FIGURE 3

PROJECT: AMERICAN CLEANERS

LOCATION: 2ND FLOOR: 48-50 WALNUT ST.



# LEGEND

- SUSPECT ASBESTOS CONTAINING MATERIAL SAMPLE LOCATION
- ◆ SUSPECT LEAD-BASED PAINT SAMPLE LOCATION

FIGURE 4

APPROXIMATE SCALE



PROJECT: AMERICAN CLEANERS  
LOCATION: BASEMENT: 48-50 WALNUT ST.

# Appendix A

## Certifications and Licenses

STATE OF NEW YORK - DEPARTMENT OF LABOR  
DIVISION OF SAFETY AND HEALTH  
License and Certificate Unit  
BUILDING 12, STATE CAMPUS  
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE-ASBESTOS  
REMOVAL NOT PERMITTED

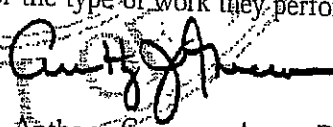
LICENSE NUMBER: 99-0696  
DATE OF ISSUE: August 11, 2004  
EXPIRATION DATE: August 31, 2005

Contractor: YEC, INC.  
Address: 612 Corporate Way  
Valley Cottage, NY 10989

Duly Authorized Representative: Y.S. ED CHEN

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

  
Anthony Germano, Acting Director  
FOR THE COMMISSIONER OF LABOR

SH 432 (6-03)

# Big Apple Occupational Safety Corp.

505 Eighth Avenue, New York, New York 10018 Tel: 212-564-7656

This is to Certify that

**John Lomonaco**

SS#: 133-72-6382

194-25B 65TH CRESCENT, FRESH MEADOW, NY 11365

*has Successfully Completed the  
Environmental Protection Agency-Approved Course*

## LEAD BASED PAINT INSPECTOR INITIAL

*This Course is approve for purposes of certification under the  
Environmental Protection Agency - 40 Part CFR 745.225*

Course Date: 04/12-14/2004

Examination Date: 4 /14/2004

Expiration Date of Interim Certification: 10/14/2004

Certificate Number: LINPI-6382

Examination Grade: 98%

  
**Training Director**  
**Radha Reddy**

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



CERT# 98-19479

JOHN N. LOMBARD  
CLASS EXPIRES  
C A T E C (05/05) D I R S P (05/05)  
H P M (05/05)



MUST BE CARRIED ON ASBESTOS PROJECTS



DMV# 722009327  
EYES BLU  
HAIR BRO  
HGT 5' 06"

IF FOUND RETURN TO:  
NYSDEL - L&C UNIT  
ROOM 161 BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H.



Expires 12:01 AM April 01, 2005  
Issued April 01, 2004  
Revised May 28, 2004

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 802 Public Health Law of New York State*

MR. PAUL MUCHA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK NY 10016 United States

NY Lab Id No: 11480  
EPA Lab Code: NY01378

is hereby **APPROVED** as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards for the category  
**ENVIRONMENTAL ANALYSES POTABLE WATER**  
All approved analytes are listed below:

Drinking Water Miscellaneous

Asbestos

EPA 103.1

Serial No.: 23586

Property of the New York State Department of Health. Valid only at the address shown. Must be  
conspicuously posted. Valid certificate have a raised seal. Continued accreditation depends on  
successful ongoing participation in the program. Consumers are urged to call (518) 485-5570 to  
verify laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER

Antonia C. Novello, M.d., M.p.h., Dr.p.h.



Expires 12:01 AM April 01, 2005  
Issued April 01, 2004

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. PAUL MUCIA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK NY 10016 United States

NY Lab Id No: 11480  
EPA Lab Code: NY01378

is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:

**Miscellaneous**

|                                  |                      |
|----------------------------------|----------------------|
| Asbestos in Friable Material     | EPA 600/M4/82/020    |
| Asbestos in Non-Friable Material | ITEM 198.4 OF MANUAL |

Serial No.: 22965

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER

Antonla C. Novello, M.d., M.p.h., Dr.p.h.

Expires 12:01 AM April 01, 2005  
Issued April 01, 2004

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*MR. PAUL MUOJA  
AMERICA SCIENCE TEAM NEW YORK INC  
117 EAST 30TH ST  
NEW YORK NY 10016 United StatesNY Lab Id No: 11480  
EPA Lab Code: NY01378*is hereby APPROVED as an Environmental Laboratory for the category*  
**ENVIRONMENTAL ANALYSES AIR AND EMISSIONS**  
*All approved subcategories and/or analytes are listed below:*

## Miscellaneous Air

Asbestos

40 CFR APX A No. III  
YAMATE, AGARWAL GIBB

Fibers

40 CFR 763.121 APX B  
NIOSH 7400 A RULES

Serial No.: 22966

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DOH-3317 (3/97)

National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC 17025:1999  
ISO 9002:1994

# Scope of Accreditation



**BULK ASBESTOS FIBER ANALYSIS**

Page: 1 of 1  
NVLAP LAB CODE 200546-0

**AMERISCI NEW YORK**

DBA: AmeriSci New York

117 E. 30th Street

New York, NY 10016

Mr. Lance Tuckruskye

Phone: 212-679-8600 Fax: 212-679-2711

E-Mail: ltuckruskye@americsci.com

URL: <http://www.americsci.com>

**NVLAP Code**

**Designation**

18/A01

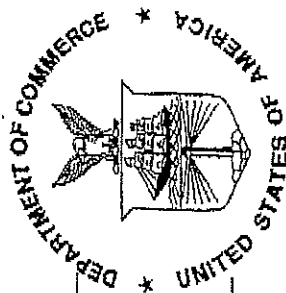
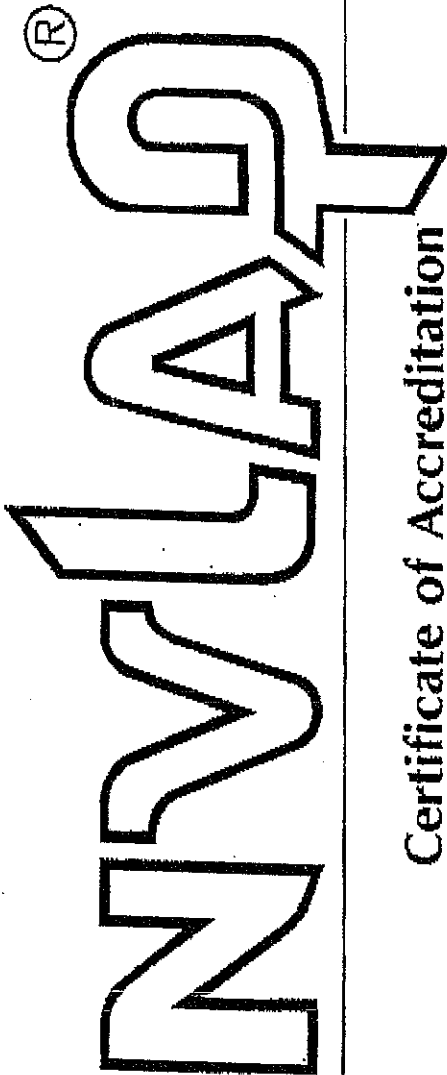
EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk  
Insulation Samples

June 30, 2005

Effective through

For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology



ISO/IEC 17025:1999  
ISO 9002:1994

## Certificate of Accreditation

**AMERISCI NEW YORK**  
NEW YORK, NY

is recognized by the National Voluntary Laboratory Accreditation Program  
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,  
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.  
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

### BULK ASBESTOS FIBER ANALYSIS

June 30, 2005

Effective through

*[Signature]*

For the National Institute of Standards and Technology  
NVLAP Lab Code: 200546-0

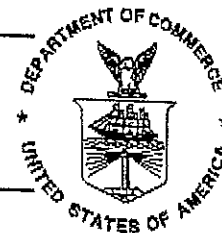
National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC 17025:1999  
ISO 9002:1994

## Scope of Accreditation



Page: 1 of 1

AIRBORNE ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200546-0

AMERISCI NEW YORK

DBA: AmeriSci New York

117 E. 30th Street

New York, NY 10016

Mr. Lance Tuckruskye

Phone: 212-679-8600 Fax: 212-679-2711

E-Mail: ltuckruskye@americsci.com

URL: <http://www.americsci.com>

**NVLAP Code**

**Designation**

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

June 30, 2005

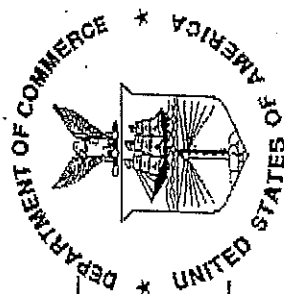
Effective through

A handwritten signature in black ink, appearing to read "John P. Walsby".

For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology

**NVLAP<sup>®</sup>**



ISO/IEC 17025:1999  
ISO 9002:1994

## Certificate of Accreditation

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NEW YORK, NY

*is recognized by the National Voluntary Laboratory Accreditation Program  
for satisfactory compliance with criteria set forth in NIST Handbook 150:2001,  
all requirements of ISO/IEC 17025:1999, and relevant requirements of ISO 9002:1994.  
Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:*

### AIRBORNE ASBESTOS FIBER ANALYSIS

June 30, 2005

Effective through

*[Signature]*

For the National Institute of Standards and Technology

NVLAP Lab Code: 200546-0

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER

Antonla C. Novello, M.d., M.p.h., Dr.p.h.



Expires 12:01 AM April 01, 2005

Issued April 01, 2004

Revised April 09, 2004

## CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JOHN SULKOWSKI

AMERISCI BOSTON

8 SCHOOL STREET

EAST WEYMOUTH MA 02189 United States

NY Lab Id No: 10982.

EPA Lab Code: MAD0069

Is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:

## Acrolein and Acrylonitrile

Acrolein SW-846 8280B  
Acrylonitrile SW-846 8280B

## Characteristic Testing

Corrosivity SW-846 1110  
Ignitability SW-846 1010  
TCLP SW-846 1311

## Chlorinated Hydrocarbon Pesticides

4,4'-DDE SW-846 8081A  
4,4'-DDT SW-846 8081A  
4,4'-DDD SW-846 8081A  
Aldrin SW-846 8081A  
alpha-BHC SW-846 8081A  
beta-BHC SW-846 8081A  
Chlordane Total SW-846 8081A  
delta-BHC SW-846 8081A

Dieldrin SW-846 8081A  
Endosulfan I SW-846 8081A  
Endosulfan II SW-846 8081A  
Endosulfan sulfate SW-846 8081A  
Endrin SW-846 8081A  
Endrin aldehyde SW-846 8081A  
Heptachlor SW-846 8081A

## Chlorinated Hydrocarbon Pesticides

Heptachlor epoxide SW-846 8081A  
Lindane SW-846 8081A  
Methoxychlor SW-846 8081A

## Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene SW-846 8270C  
2-Chloronaphthalene SW-846 8270C  
Hexachlorobenzene SW-846 8270C  
Hexachlorobutadiene SW-846 8270C  
Hexachlorocyclopentadiene SW-846 8270C  
Hexachloroethane SW-846 8270C

## Haloethers

Bis (2-chloroisopropyl) ether SW-846 8270C  
Bis(2-chloroethoxy)methane SW-846 8270C

## Metals I

Barium, Total SW-846 3050B  
Cadmium, Total SW-846 3050B  
Chromium, Total SW-846 3050B  
Lead, Total SW-846 3050B  
SW-846 6010B

Serial No.: 23466

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verified by calling (516) 466-5570.

DOH-2517 (3/97)

Page 1 of 4



## Appendix B

### **Asbestos Field Notes Summary**

An Asbestos inspection was conducted on 7/19/04 and 7/20/04 at the American Cleaners Site, Binghamton, NY. The asbestos inspection was performed to identify any structural building materials that are considered asbestos-containing materials (ACM). An asbestos-containing material is defined as any material or product which contains more than 1 percent asbestos (AHERA, OSHA definition). Shaded areas indicate ACM.

**Flat Roof (dry cleaners and garage), Sloped Roofs (1<sup>st</sup> and 2<sup>nd</sup> floor of house) (Figure 1)**

1. Sample AC-01 A,B,C – Black Roof Tar – not ACM  
Sample AC-02 A,B,C – Brown Hair-like Insulation – not ACM  
Sample AC-03 A,B,C – Black Tar Paper – not ACM
  - The flat roof, which covered the newer addition to the dry cleaners and the garage on the property, contained four layers. They were from top to bottom, respectively, black roof tar, brown hair-like insulation, black tar paper, and wood. The first three layers were suspect asbestos-containing materials (SACM) and sampled respectively as AC-01, 02, and 03. No asbestos was detected in these samples, except for a chrysotile trace found in sample AC-01B, which was taken at the eastern area of the flat roof. A trace amount of asbestos detected by TEM analysis means that it is <1% asbestos.
  - Materials homogeneous with AC-01 and AC-03 covered the four windowed roof protrusions
  - Materials homogeneous with AC-01 and AC-03 existed on the inside vertical sections of the parapet walls and the aluminum shroud
  - Materials homogeneous with AC-01 and AC-03 covered three boarded windows on the western exterior of the second floor of the house
2. Sample AC-04 A,B,C – Gray Tar Patching Material – ACM
  - Total quantity: 215 sq. ft.
  - Homogeneous material existed at each joint of the parapet wall (1 sq. ft./section)
  - Homogeneous material existed at the base of each flue (1 sq. ft./base)
  - Homogeneous material existed at the base of each billboard bracket, (1 sq. ft./base)
3. Sample AC-05 A,B,C – Light Green Shingle – not ACM  
Sample AC-06 A,B,C – Light Green Shingle Paper (black) – not ACM
  - Samples taken at the same locations from the sloped roof of the 1<sup>st</sup> floor of the house
  - Materials homogeneous with AC-06 A,B,C existed beneath ACM shingles associated with AC-07 A,B,C (See “Exterior of the Structures on the Property” section)
4. Sample AC-08 A,B,C – Green Shingle – not ACM
  - Samples taken from the sloped roof of the 2nd floor of the house
5. Sample AC-09 A,B,C – Brick Chimney Mortar – not ACM
  - Two brick chimneys protruded from the 2nd floor roof of the house. Access was only available to the southernmost chimney, where sample AC-09A,B,C was taken.
  - Homogeneous material existed throughout both vertical extents of each chimney down to the basement.
6. Sample AC-10 A,B,C – White Window Glaze – ACM
  - Material existed on (10) wooden window frames associated with the protrusions (skylights) on the flat roof.
  - ~ 5 LF/ window: total quantity: 50 LF

7. Non-suspect materials found on the roof were: plywood on the boarded windows; brick, cement, and porcelain portions of the parapet wall; metal, porcelain, and wood portions of the telephone pole wire tie-in; metal billboard and roof brackets; vinyl siding on the south face of the second floor of the house; the aluminum gutter at the eastern edge of the flat roof; the metal portions of the flues; all metal and wood window frames; wood roof layer beneath shingle paper, shingles and roof tar paper; aluminum shroud.

#### First Floor – Room A (Figure 2)

1. Sample AC-11 A,B,C and AC-12 A,B,C – 9”X9” floor tile and mastic - ACM
  - Total quantity: 500 sq. ft. for each material.
  - Floor is in very poor condition with more than half of the tiles destroyed.
2. Sample AC-13 C – Gypsum Board – not ACM
  - Sample AC-13C was taken from the east wall of Room A.
  - Materials homogeneous with AC-13C were the north, west and south walls.
3. Some wiring associated with metal switch boxes, outlets, and heat control panels was homogeneous with AC-20A – not ACM
4. Non-suspect materials found in Room A are: tin drop ceiling; wood ceiling; metal switch boxes, outlets, and heat control panels; rubber wiring; wood floor beneath ACM floor tiles and mastic; metal and rubber silicon window frames (no suspect caulk or glaze was found); wood window frames; metal and wood doors and doorframes; metal and wood cabinets.

#### First Floor – Room B (Figure 2)

1. Sample AC-13 A and B – Gypsum Board – not ACM
  - Samples AC-13 A, B were taken from the east and west walls of Room B respectively.
  - Materials homogeneous with AC-13 A, B were the north and south walls and the ceiling of Room B
2. Some wiring associated with metal switch boxes, outlets, and heat control panels was homogeneous with AC-20A – not ACM
3. Non-suspect materials found in Room B are: metal switch boxes, outlets, and heat control panels; metal and rubber silicon window frames (no suspect caulk or glaze found); wood window frames; metal and wood doors and doorframes; metal pipe chase and metal pipes in the floor, running east and west; wood hatch on the east wall; wood floor.

#### First Floor – Room C (Figure 2)

1. Sample AC-16 A,B,C – Window Glaze – not ACM
  - Sample AC-16 A,B,C was taken from the large east, central and west windows on the south wall of Room C, respectively. A chrysotile trace was detected in all three samples: <1% asbestos – not ACM
  - Homogeneous caulk was found on the smaller windows, one on the south wall, and the other on the north wall.
2. Materials homogeneous with AC-13C were the interior east wall and the west wall of Room C
3. Some wiring associated with metal switch boxes, outlets, and heat control panels was homogeneous with AC-20A – not ACM

4. Non-suspect materials found in Room C are: metal switch boxes, outlets, and heat control panels; rubber wiring; wood window frames; metal and wood doors and doorframes; wood floor; two metal fans, one on the east wall, and the other on the south wall; tin drop ceiling; wood ceiling; north, east and south walls are concrete; metal banister in the stairwell.

**First Floor of House – Rooms 1-8 (Figure 2)**

1. Sample AC-17 A,B,C – Gypsum Board – not ACM
  - AC-17A was taken from the south wall of Room 3, AC-17B was taken from the north wall of Room 6, AC-17C was taken from the west wall of Room 2.
  - All walls and ceilings in Rooms 1-8 were homogeneous gypsum board, except for the east, south and west walls of Room 8, which were concrete.
  - Rooms 4, 5 and 7 had non-suspect drop ceilings, with homogeneous gypsum board above.
2. Sample AC-18 A,B,C – Decorative Floor Paper – not ACM
  - AC-18A and B were taken from Room 7 and AC-18 C was taken from Room 5. These two rooms were the only rooms that had this material.
3. Sample AC-19A,B,C – Pipe Insulation - ACM
  - Total Quantity – 12 LF (6 LF on each of two pipes)
  - Material only exists on (2) vertical pipes in the NW corner of Room 6.
4. Sample AC-20C – Cloth Wire Insulation – not ACM
  - AC-20C was taken from a switchbox, located on the west wall of Room 4, just north of the entrance to Room 6
  - Some wiring associated with metal switch boxes, electrical panels (Room 8), outlets, and heat control panels was homogeneous with AC-20C – not ACM
5. Non-suspect materials found in Rooms 1-8 are:
  - Wood paneling covering gypsum board walls in Rooms 4, 5 and 7
  - Porcelain sink and toilet in Room 3
  - Wood doors and doorframes throughout
  - Wood window frames; no glaze or caulking found throughout
  - Wood steps and banister in Room 6
  - Concrete steps and floor in Room 8
  - Metal door and frame at east end of Room 8
  - Wood baseboards throughout
  - Wood floors – Rooms 1-7
  - Rubber wiring
  - Metal switchboxes, metal electrical panels, outlets, heat control panels

**Second Floor of House – Rooms 9-15 (Figure 3)**

1. No samples were taken from the second floor of the house. Gypsum board homogeneous with AC-17 A,B,C was found on all walls and ceilings of Rooms 9 – 15.
2. Some wiring associated with metal switch boxes, outlets, and heat control panels was homogeneous with AC-20C – not ACM

3. Non-suspect materials found in Rooms 9-15 are:

- Wood doors and doorframes
- Wood window frames; no glaze or caulking found
- Wood steps and banister in Room 9
- Wood attic (A ceiling hatch is located in the northeast corner of Room 13. No suspect materials were found in the attic, from the vantage point of the hatch).
- Wood baseboards
- Rubber wiring
- Metal switchboxes, outlets, heat control panels
- Wood floors

**B-Main, B1, B2, B3 and B4 – Basement of the Newer Addition to the Property (Figure 4)**

1. Sample AC-20A – Cloth Wire Insulation – not ACM

- AC-20A was sampled from an electrical panel, located on the west wall of Room B4
- Some wiring associated with the other electrical panels in Room B4 and the electrical panels in B-main was homogeneous with AC-20A.
- Some wiring associated with switchboxes, outlets, and heat control panels in all rooms was also homogeneous with AC-20 A.

2. Non-suspect materials found in Rooms B-Main, B1, B2, B3 and B4 were:

- Concrete walls: all walls of B-main; north, south and west walls of Room B4; east and north walls of B1, north walls of B2 and B3
- Gypsum board walls homogeneous with AC-13 A,B,C: the wall between B-Main and B4, the walls between B1 and B2 and between B2 and B3, the south walls of B1, B2 and B3
- Concrete floors
- Wood ceilings
- Rubber wiring
- Metal switchboxes, electrical panels, outlets, heat control panels
- Porcelain sinks and toilets in Rooms B1 and B2
- Metal piping throughout ceilings
- Metal horizontal and vertical supports
- Wood doors and doorframes
- Metal doors and doorframes

**B5, Boiler Pit Room and Storage Room – Basement of the House (Figure 4)**

1. Sample AC-14 A,B,C – Pipe Insulation - ACM

- AC-14 A,B,C was taken from a small portion of a pipe located at ceiling level in the Boiler Pit Room, on the north side of the entrance to the Storage Room.
- Total quantity – 2 sq. ft.

2. Sample AC-20B – Cloth Wire Insulation – not ACM

- AC-20B was sampled from an electrical panel, located on the west wall of the Boiler Pit Room

- Some wiring associated with the other electrical panels in the Boiler Pit Room was homogeneous with AC-20B.
- Some wiring associated with switchboxes, outlets, and heat control panels in all rooms was also homogeneous with AC-20 B.
- 3. Sample AC-15 A,B,C – Cementitious Plaster – not ACM
  - Sample AC-15 A,B and C were taken from the east, north and west walls respectively.
  - Materials homogeneous with AC 15 A,B,C were found on the north, east and west walls of the Storage Room
- 4. Chimneys in the Boiler Pit room were brick with mortar homogeneous with AC-09 A,B,C – not ACM
- 5. Non-suspect materials found in B5, the Boiler Pit Room and the Storage Room were:
  - Wood ceilings in the Boiler Pit Room and the Storage Room
  - Concrete ceiling in B5
  - Concrete floors: all rooms
  - Concrete walls: all walls of B5, south walls of the Boiler Pit Room and Storage Room.
  - Stone walls: north, east and west walls of the Boiler Pit Room and Storage Room
  - Metal pipes throughout ceilings

**Exterior of the Structures on the Property (Figure 1)**

1. Sample AC-07 A,B,C – Gray painted Shingles (White) – ACM
  - Total quantity: 1080 sq. ft.
  - Material existed on the west and east exterior faces of the 2<sup>nd</sup> floor of the house
  - Material existed on the entire north face of the house, all floors
  - Material existed on the east face of the house, 1<sup>st</sup> floor
  - The shingle paper beneath these ACM shingles was homogeneous with sample AC-06 A,B,C – not ACM
2. Sample AC-21 A,B,C – Gray Painted Cylindrical Chimney Stack Insulation (White) - ACM
  - Total quantity: 20 LF.
  - Material insulated the cylindrical chimney stack which runs vertically on the exterior north face of the house
3. Non-suspect materials found on the exterior of the structures are:
  - Brick on the west face along Walnut Street, and on the north face of Room B
  - Concrete walls: garage
  - Stone walls: south face of Rooms A and C; east face of Room C, north face of Room C
  - Metal and wood doors and doorframes
  - Metal and wood windows and windowframes
  - Concrete foundation

Comments:

There was some suspect wiring throughout all sections of the structure. Three samples were taken:

- AC-20A was taken from an electrical panel in B4 (basement of dry cleaning area)
- AC-20B was taken from an electrical panel in the Boiler Pit Room (basement of the house)
- AC-20C was taken from a light switch in Room 4 of the house.

All (3) samples were analyzed and yielded negative results. Since the (3) were taken from distinctively different parts of the structure, the wiring throughout the walls of the building can be considered not ACM.

## Appendix C

### **Asbestos Sample Results and Chains of Custody**

July 27, 2004

YEC, Inc  
Attn: John LoMonaco  
612 Corporate Way  
Suite 4M  
Valley College, NY 10989

RE: YEC, Inc  
Job Number 204073973  
P.O. # A0314  
A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

Dear John LoMonaco:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following YEC, Inc samples, received at AmeriSci on Thursday, July 22, 2004, for a 5 day turnaround:

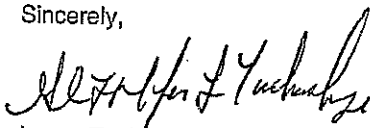
Sample ID AC-01A through AC-21C

The 63 samples, placed in Zip Lock Bag, were shipped to AmeriSci via Federal Express. YEC, Inc requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.1 PLM & 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction, combined PLM and TEM analysis results are listed in the Summary Bulk Asbestos Analysis Results in Table I. Complete PLM results for individual samples are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Lance Tuckruskye  
QA/QC Compliance Officer



## PLM Bulk Asbestos Report

YEC, Inc  
Attn: John LoMonaco  
612 Corporate Way  
Suite 4M  
Valley College, NY 10989

Date Received 07/22/04      AmeriSci Job No. 204073973  
Date Examined 07/27/04      P.O. # A0314  
ELAP Number 11480      Page 1 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                               | Lab No.      | Asbestos Present | Total % Asbestos |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|------------------|
| AC-01A<br>01      Location: SW Corner Of Flat Roof                                                                             | 204073973-01 | No               | NAD <sup>1</sup> |
| Description: Black, Homogeneous, Roof Tar<br>Asbestos Types:<br>Other Material: Non-fibrous 0.91 %                             |              |                  |                  |
| AC-01B<br>01      Location: Eastern Area Of Flat Roof                                                                          | 204073973-02 | No               | NAD <sup>1</sup> |
| Description: Black, Homogeneous, Roof Tar<br>Asbestos Types:<br>Other Material: Non-fibrous 5.3 %                              |              |                  |                  |
| AC-01C<br>01      Location: Center Of Garage Roof                                                                              | 204073973-03 | No               | NAD <sup>1</sup> |
| Description: Black, Homogeneous, Roof Tar<br>Asbestos Types:<br>Other Material: Non-fibrous 0.33 %                             |              |                  |                  |
| AC-02A<br>02      Location: SW Corner Of Flat Roof                                                                             | 204073973-04 | No               | NAD              |
| Description: Brown, Homogeneous, Hair Like Insulation<br>Asbestos Types:<br>Other Material: Cellulose 80. %, Non-fibrous 20. % |              |                  |                  |
| AC-02B<br>02      Location: Eastern Area Of Flat Roof                                                                          | 204073973-05 | No               | NAD              |
| Description: Brown, Homogeneous, Hair Like Insulation<br>Asbestos Types:<br>Other Material: Cellulose 80. %, Non-fibrous 20. % |              |                  |                  |



**AmeriSci New York**

117 EAST 30TH STREET

NEW YORK, NY 10016

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YEC, Inc  
Attn: John LoMonaco  
612 Corporate Way  
Suite 4M  
Valley College, NY 10989

Date Received 07/22/04      AmeriSci Job No.204073973  
Date Examined 07/27/04      P.O. # A0314  
ELAP Number 11480      Page 2 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                                      | Lab No.                                                | Asbestos Present | Total % Asbestos   |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------|--------------------|
| AC-02C<br>02                                                                                                                          | 204073973-06<br>Location: Center Of Garage Roof        | No               | NAD                |
| Description: Brown, Homogeneous, Hair Like Insulation<br>Asbestos Types:<br>Other Material: Cellulose 80. %, Non-fibrous 20. %        |                                                        |                  |                    |
| AC-03A<br>03                                                                                                                          | 204073973-07<br>Location: SW Corner Of Flat Roof       | No               | NAD <sup>1</sup>   |
| Description: Black, Homogeneous, Tar Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 21.3 %                                   |                                                        |                  |                    |
| AC-03B<br>03                                                                                                                          | 204073973-08<br>Location: Eastern Area Of Flat Roof    | No               | NAD <sup>1</sup>   |
| Description: Black, Heterogeneous, Tar Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 1.1 %                                  |                                                        |                  |                    |
| AC-03C<br>03                                                                                                                          | 204073973-09<br>Location: Center Of Garage Roof        | No               | NAD <sup>1</sup>   |
| Description: Black, Homogeneous, Tar Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 0.48 %                                   |                                                        |                  |                    |
| AC-04A<br>04                                                                                                                          | 204073973-10<br>Location: Center Of South Parapet Wall | Yes              | 6.2 % <sup>1</sup> |
| Description: Grey/Black, Homogeneous, Tar Patching Material<br>Asbestos Types: Chrysotile 6.2 %<br>Other Material: Non-fibrous 11.1 % |                                                        |                  |                    |



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ELAP Number 11480      Page 3 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                      | Lab No.                                                             | Asbestos Present | Total % Asbestos |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|------------------|
| AC-04B<br>04                                                                                                          | 204073973-11<br>Location: Base Of Billboard Bracket                 |                  | NA/PS            |
| Description: Tar Patching Material<br>Asbestos Types:<br>Other Material:                                              |                                                                     |                  |                  |
| AC-04C<br>04                                                                                                          | 204073973-12<br>Location: Base Of Flue At Eastern Area Of Flat Roof |                  | NA/PS            |
| Description: Tar Patching Material<br>Asbestos Types:<br>Other Material:                                              |                                                                     |                  |                  |
| AC-05A<br>05                                                                                                          | 204073973-13<br>Location: SW Area Of First Floor Sloped Roof        | No               | NAD <sup>1</sup> |
| Description: Green, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Fibrous glass 2. %, Non-fibrous 64.4 % |                                                                     |                  |                  |
| AC-05B<br>05                                                                                                          | 204073973-14<br>Location: NW Area Of First Floor Sloped Roof        | No               | NAD <sup>1</sup> |
| Description: Green, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Fibrous glass 2. %, Non-fibrous 62.8 % |                                                                     |                  |                  |
| AC-05C<br>05                                                                                                          | 204073973-15<br>Location: NE Area Of First Floor Sloped Roof        | No               | NAD <sup>1</sup> |
| Description: Green, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Fibrous glass 2. %, Non-fibrous 65.1 % |                                                                     |                  |                  |

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RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                               | Lab No.                                                      | Asbestos Present | Total % Asbestos |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------|------------------|
| AC-06A<br>06                                                                                                                   | 204073973-16<br>Location: SW Area Of First Floor Sloped Roof | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 4.3 %                   |                                                              |                  |                  |
| AC-06B<br>06                                                                                                                   | 204073973-17<br>Location: NW Area Of First Floor Sloped Roof | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 2.7 %                   |                                                              |                  |                  |
| AC-06C<br>06                                                                                                                   | 204073973-18<br>Location: NE Area Of First Floor Sloped Roof | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle Paper<br>Asbestos Types:<br>Other Material: Non-fibrous 12. %                   |                                                              |                  |                  |
| AC-07A<br>07                                                                                                                   | 204073973-19<br>Location: West Side Of Second Floor Of House | Yes              | 22 %             |
| Description: Grey, Homogeneous, Cementitious, Shingle<br>Asbestos Types: Chrysotile 22. %<br>Other Material: Non-fibrous 78. % |                                                              |                  |                  |
| AC-07B<br>07                                                                                                                   | 204073973-20<br>Location: West Side Of Second Floor Of House |                  | NA/PS            |
| Description: Shingle<br>Asbestos Types:<br>Other Material:                                                                     |                                                              |                  |                  |



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ELAP Number 11480      Page 5 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                     | Lab No.                                                        | Asbestos Present | Total % Asbestos |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------|------------------|
| AC-07C<br>07                                                                                                         | 204073973-21<br>Location: East Side - Second Floor Of House    |                  | NA/PS            |
| Description: Shingle<br>Asbestos Types:<br>Other Material:                                                           |                                                                |                  |                  |
| AC-08A<br>08                                                                                                         | 204073973-22<br>Location: South Side - Second Floor House Roof | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Non-fibrous 36. %               |                                                                |                  |                  |
| AC-08B<br>08                                                                                                         | 204073973-23<br>Location: West Side - Second Floor House Roof  | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Non-fibrous 42.6 %              |                                                                |                  |                  |
| AC-08C<br>08                                                                                                         | 204073973-24<br>Location: East Side - Second Floor House Roof  | No               | NAD <sup>1</sup> |
| Description: Green/Black, Homogeneous, Shingle<br>Asbestos Types:<br>Other Material: Non-fibrous 42.3 %              |                                                                |                  |                  |
| AC-09A<br>09                                                                                                         | 204073973-25<br>Location: South Side - Southern Most Chimney   | No               | NAD              |
| Description: Beige, Homogeneous, Cementitious, Brick Mortar<br>Asbestos Types:<br>Other Material: Non-fibrous 100. % |                                                                |                  |                  |



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RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                          | Lab No.                                                          | Asbestos Present | Total % Asbestos    |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------|---------------------|
| AC-09B<br>09                                                                                                              | 204073973-26<br>Location: West Side - Southern Most Chimney      | No               | NAD                 |
| Description: Beige, Homogeneous, Cementitious, Brick Mortar<br>Asbestos Types:<br>Other Material: Non-fibrous 100. %      |                                                                  |                  |                     |
| AC-09C<br>09                                                                                                              | 204073973-27<br>Location: East Side - Southern Most Chimney      | No               | NAD                 |
| Description: Beige, Homogeneous, Cementitious, Brick Mortar<br>Asbestos Types:<br>Other Material: Non-fibrous 100. %      |                                                                  |                  |                     |
| AC-10A<br>10                                                                                                              | 204073973-28<br>Location: Window Of Southern - Facing Protrusion | Yes              | < 1. % <sup>1</sup> |
| Description: White, Homogeneous, Window Glazing<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 15.4 % |                                                                  |                  |                     |
| AC-10B<br>10                                                                                                              | 204073973-29<br>Location: Window Of Southern - Facing Protrusion | Yes              | < 1. % <sup>1</sup> |
| Description: White, Homogeneous, Window Glazing<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 13.5 % |                                                                  |                  |                     |
| AC-10C<br>10                                                                                                              | 204073973-30<br>Location: Window Of Northern - Facing Protrusion | No               | NAD <sup>1</sup>    |
| Description: White, Homogeneous, Window Glazing<br>Asbestos Types:<br>Other Material: Non-fibrous 1.4 %                   |                                                                  |                  |                     |



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ELAP Number 11480      Page 7 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                         | Lab No.                                                                                                           | Asbestos Present | Total % Asbestos   |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------|--------------------|
| AC-11A<br>11                                                                                                             | 204073973-31<br>Location: NE Corner Of Floor - Room A                                                             | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, 9x9 Floor Tile<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 33.8 % |                                                                                                                   |                  |                    |
| AC-11B<br>11                                                                                                             | 204073973-32<br>Location: SE Corner Of Floor - Room A                                                             | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, 9x9 Floor Tile<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 31.1 % |                                                                                                                   |                  |                    |
| AC-11C<br>11                                                                                                             | 204073973-33<br>Location: SW Corner Of Floor - Room A                                                             | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, 9x9 Floor Tile<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 9.5 %  |                                                                                                                   |                  |                    |
| AC-12A<br>12                                                                                                             | 204073973-34<br>Location: NE Corner Of Floor - Room A "Samples from Same Homogenous Area Composited for Analysis" | No               | NAD <sup>1</sup>   |
| Description: Black, Homogeneous, 9x9 Floor Tile Mastic<br>Asbestos Types:<br>Other Material: Non-fibrous 30.7 %          |                                                                                                                   |                  |                    |
| AC-12B<br>12                                                                                                             | 204073973-35<br>Location: SE Corner Of Floor - Room A "Sample Included In Homogenous Area Composite"              |                  | NA                 |
| Description: 9x9 Floor Tile Mastic<br>Asbestos Types:<br>Other Material:                                                 |                                                                                                                   |                  |                    |

## PLM Bulk Asbestos Report

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Date Received 07/22/04 AmeriSci Job No.204073973  
Date Examined 07/27/04 P.O. # A0314  
ELAP Number 11480 Page 8 of 13  
RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                                           | Lab No.                                                                                              | Asbestos Present | Total % Asbestos |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------|------------------|
| AC-12C<br>12                                                                                                                               | 204073973-36<br>Location: SW Corner Of Floor - Room A "Sample Included In Homogenous Area Composite" |                  | NA               |
| Description: 9x9 Floor Tile Mastic<br>Asbestos Types:<br>Other Material:                                                                   |                                                                                                      |                  |                  |
| AC-13A<br>13                                                                                                                               | 204073973-37<br>Location: East Wall Of Room B                                                        | No               | NAD              |
| Description: OffWhite, Homogeneous, Gypsum Board<br>Asbestos Types:<br>Other Material: Non-fibrous 100. %                                  |                                                                                                      |                  |                  |
| AC-13B<br>13                                                                                                                               | 204073973-38<br>Location: West Wall Of Room B                                                        | No               | NAD              |
| Description: OffWhite, Homogeneous, Gypsum Board<br>Asbestos Types:<br>Other Material: Non-fibrous 100. %                                  |                                                                                                      |                  |                  |
| AC-13C<br>13                                                                                                                               | 204073973-39<br>Location: East Wall Of Room A                                                        | No               | NAD              |
| Description: OffWhite, Homogeneous, Gypsum Board<br>Asbestos Types:<br>Other Material: Non-fibrous 100. %                                  |                                                                                                      |                  |                  |
| AC-14A<br>14                                                                                                                               | 204073973-40<br>Location: Boiler Pit Room - East Wall @ Ceiling                                      | Yes              | 57 %             |
| Description: Grey, Homogeneous, Pipe Insulation<br>Asbestos Types: Chrysotile 57. %<br>Other Material: Cellulose Trace, Non-fibrous 43.. % |                                                                                                      |                  |                  |

## PLM Bulk Asbestos Report

YEC, Inc  
Attn: John LoMonaco  
612 Corporate Way  
Suite 4M  
Valley College, NY 10989

Date Received 07/22/04      AmeriSci Job No.204073973  
Date Examined 07/27/04      P.O. # A0314  
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RE A0314; American Cleaners; 48-50 Walnut St  
Binghamton, NY

| Client No. / HGA                                                                                                                                 | Lab No.                                                          | Asbestos Present | Total % Asbestos |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------|------------------|
| AC-14B<br>14                                                                                                                                     | 204073973-41<br>Location: Boiler Pit Room - East Wall @ Ceiling. |                  | NA/PS            |
| Description: Pipe Insulation<br>Asbestos Types:<br>Other Material:                                                                               |                                                                  |                  |                  |
| AC-14C<br>14                                                                                                                                     | 204073973-42<br>Location: Boiler Pit Room - East Wall @ Ceiling  |                  | NA/PS            |
| Description: Pipe Insulation<br>Asbestos Types:<br>Other Material:                                                                               |                                                                  |                  |                  |
| AC-15A<br>15                                                                                                                                     | 204073973-43<br>Location: Boiler Pit Room - East Wall            | No               | NAD              |
| Description: Grey, Homogeneous, Plaster<br>Asbestos Types:<br>Other Material: Animal hair 2. %, Cellulose Trace, Non-fibrous 98. %               |                                                                  |                  |                  |
| AC-15B<br>15                                                                                                                                     | 204073973-44<br>Location: Boiler Pit Room -North Wall            | No               | NAD              |
| Description: Grey, Homogeneous, Cementitious, Plaster<br>Asbestos Types:<br>Other Material: Animal hair Trace, Cellulose 1. %, Non-fibrous 99. % |                                                                  |                  |                  |
| AC-15C<br>15                                                                                                                                     | 204073973-45<br>Location: Boiler Pit Room -West Wall             | No               | NAD              |
| Description: Grey, Homogeneous, Cementitious, Plaster<br>Asbestos Types:<br>Other Material: Cellulose Trace, Non-fibrous 100. %                  |                                                                  |                  |                  |

## PLM Bulk Asbestos Report

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Binghamton, NY

| Client No. / HGA                                                                                                                                      | Lab No.                                                             | Asbestos Present | Total % Asbestos   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|--------------------|
| AC-16A<br>16                                                                                                                                          | 204073973-46<br>Location: Eastern Most Window South Wall Of Room C  | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, Window Glazing/Caulk<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 2. %                          |                                                                     |                  |                    |
| AC-16B<br>16                                                                                                                                          | 204073973-47<br>Location: Large Central Window South Wall Of Room C | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, Window Glazing/Caulk<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 2.6 %                         |                                                                     |                  |                    |
| AC-16C<br>16                                                                                                                                          | 204073973-48<br>Location: Western Most Window South Wall Of Room C  | Yes              | < 1.% <sup>1</sup> |
| Description: Grey, Homogeneous, Window Glazing/Caulk<br>Asbestos Types: Chrysotile Trace<br>Other Material: Non-fibrous 2.6 %                         |                                                                     |                  |                    |
| AC-17A<br>17                                                                                                                                          | 204073973-49<br>Location: Room #3 - South Wall                      | No               | NAD                |
| Description: Grey, Homogeneous, Cementitious, Gypsum Board<br>Asbestos Types:<br>Other Material: Animal hair 2. %, Cellulose Trace, Non-fibrous 98. % |                                                                     |                  |                    |
| AC-17B<br>17                                                                                                                                          | 204073973-50<br>Location: Room #6 - North Wall Beneath Staircase    | No               | NAD                |
| Description: Grey, Homogeneous, Cementitious, Gypsum Board<br>Asbestos Types:<br>Other Material: Cellulose Trace, Non-fibrous 100. %                  |                                                                     |                  |                    |

## PLM Bulk Asbestos Report

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Date Received 07/22/04      AmeriSci Job No. 204073973  
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| Client No. / HGA | Lab No.                                       | Asbestos Present | Total % Asbestos |
|------------------|-----------------------------------------------|------------------|------------------|
| AC-17C<br>17     | 204073973-51<br>Location: Room #2 - West Wall | No               | NAD              |

Description: Grey, Homogeneous, Cementitious, Gypsum Board  
Asbestos Types:

Other Material: Animal hair 3. %, Cellulose Trace, Non-fibrous 97. %

|              |                                                        |    |     |
|--------------|--------------------------------------------------------|----|-----|
| AC-18A<br>18 | 204073973-52<br>Location: Room #7 - NW Corner Of Floor | No | NAD |
|--------------|--------------------------------------------------------|----|-----|

Description: Green, Homogeneous, Floor Paper  
Asbestos Types:

Other Material: Cellulose 20. %, Synthetic fibers 70. %, Non-fibrous 10. %

|              |                                                        |    |     |
|--------------|--------------------------------------------------------|----|-----|
| AC-18B<br>18 | 204073973-53<br>Location: Room #7 - SE Corner Of Floor | No | NAD |
|--------------|--------------------------------------------------------|----|-----|

Description: Green, Homogeneous, Floor Paper  
Asbestos Types:

Other Material: Cellulose 20. %, Synthetic fibers 70. %, Non-fibrous 10. %

|              |                                                     |    |     |
|--------------|-----------------------------------------------------|----|-----|
| AC-18C<br>18 | 204073973-54<br>Location: Room #5 - Center Of Floor | No | NAD |
|--------------|-----------------------------------------------------|----|-----|

Description: Green, Homogeneous, Floor Paper  
Asbestos Types:

Other Material: Cellulose 20. %, Synthetic fibers 70. %, Non-fibrous 10. %

|              |                                                                 |     |      |
|--------------|-----------------------------------------------------------------|-----|------|
| AC-19A<br>19 | 204073973-55<br>Location: Room #6 - Vertical Pipes In NW Corner | Yes | 57 % |
|--------------|-----------------------------------------------------------------|-----|------|

Description: Grey, Homogeneous, Pipe Insulation  
Asbestos Types: Chrysotile 57. %

Other Material: Cellulose 20. %, Non-fibrous 23. %

## PLM Bulk Asbestos Report

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Date Received 07/22/04

Date Examined 07/27/04

ELAP Number 11480

RE A0314; American Cleaners; 48-50 Walnut St  
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AmeriSci Job No. 204073973

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| Client No. / HGA                                                                                              | Lab No.                                                                   | Asbestos Present | Total % Asbestos |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------|------------------|
| AC-19B<br>19                                                                                                  | 204073973-56<br>Location: Room #6 - Verticle Pipes In NW Corner           |                  | NA/PS            |
| Description: Pipe Insulation<br>Asbestos Types:<br>Other Material:                                            |                                                                           |                  |                  |
| AC-19C<br>19                                                                                                  | 204073973-57<br>Location: Room #6 - Verticle Pipes In NW Corner           |                  | NA/PS            |
| Description: Pipe Insulation<br>Asbestos Types:<br>Other Material:                                            |                                                                           |                  |                  |
| AC-20A<br>20                                                                                                  | 204073973-58<br>Location: Room B4 - Electrical Panel On West Wall         | No               | NAD <sup>1</sup> |
| Description: Grey, Homogeneous, Cloth Wire Insulation<br>Asbestos Types:<br>Other Material: Non-fibrous 5.6 % |                                                                           |                  |                  |
| AC-20B<br>20                                                                                                  | 204073973-59<br>Location: Boiler Pit Room - Electrical Panel On West Wall | No               | NAD <sup>1</sup> |
| Description: Grey, Homogeneous, Cloth Wire Insulation<br>Asbestos Types:<br>Other Material: Non-fibrous 3. %  |                                                                           |                  |                  |
| AC-20C<br>20                                                                                                  | 204073973-60<br>Location: Room #4 - Light Switch On West Wall             | No               | NAD <sup>1</sup> |
| Description: Grey, Homogeneous, Cloth Wire Insulation<br>Asbestos Types:<br>Other Material: Non-fibrous 1. %  |                                                                           |                  |                  |

## PLM Bulk Asbestos Report

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Date Received 07/22/04 AmeriSci Job No. 204073973  
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| Client No. / HGA | Lab No.                                                       | Asbestos Present | Total % Asbestos |
|------------------|---------------------------------------------------------------|------------------|------------------|
| AC-21A           | 204073973-61                                                  | Yes              | 24 %             |
| 21               | Location: North Exterior Of House - Cylindrical Chimney Stack |                  |                  |

Description: Grey, Homogeneous, Cementitious, Cementitious Insulation  
Asbestos Types: Chrysotile 24. %  
Other Material: Non-fibrous 76. %

|        |                                                               |  |       |
|--------|---------------------------------------------------------------|--|-------|
| AC-21B | 204073973-62                                                  |  | NA/PS |
| 21     | Location: North Exterior Of House - Cylindrical Chimney Stack |  |       |

Description: Cementitious Insulation  
Asbestos Types:  
Other Material:

|        |                                                               |  |       |
|--------|---------------------------------------------------------------|--|-------|
| AC-21C | 204073973-63                                                  |  | NA/PS |
| 21     | Location: North Exterior Of House - Cylindrical Chimney Stack |  |       |

Description: Cementitious Insulation  
Asbestos Types:  
Other Material:

### Reporting Notes:

(1) PLM analysis of NOB inert material.

Analyzed by: Bella J. Chernis

\*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843.

Reviewed By:

Table I

## Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci Sample # | Client Sample# Location                             | HG Area | Sample Weight | Heat Sensitive Organic % | Acid Soluble Inorganic % | Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|-------------------|-----------------------------------------------------|---------|---------------|--------------------------|--------------------------|------------------------------------|-------------------------|----------------------|
| 01                | AC-01A<br>SW Corner Of Flat Roof                    | 01      | 0.331         | 94.26                    | 4.83                     | 0.91                               | NAD                     | NAD                  |
| 02                | AC-01B<br>Eastern Area Of Flat Roof                 | 01      | 0.491         | 94.30                    | 0.41                     | 5.20                               | NAD                     | Chrysotile Trace     |
| 03                | AC-01C<br>Center Of Garage Roof                     | 01      | 0.307         | 95.11                    | 4.56                     | 0.33                               | NAD                     | NAD                  |
| 04                | AC-02A<br>SW Corner Of Flat Roof                    | 02      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 05                | AC-02B<br>Eastern Area Of Flat Roof                 | 02      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 06                | AC-02C<br>Center Of Garage Roof                     | 02      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 07                | AC-03A<br>SW Corner Of Flat Roof                    | 03      | 0.323         | 68.73                    | 9.91                     | 21.36                              | NAD                     | NAD                  |
| 08                | AC-03B<br>Eastern Area Of Flat Roof                 | 03      | 0.673         | 98.07                    | 0.74                     | 1.19                               | NAD                     | NAD                  |
| 09                | AC-03C<br>Center Of Garage Roof                     | 03      | 0.42          | 99.05                    | 0.48                     | 0.48                               | NAD                     | NAD                  |
| 10                | AC-04A<br>Center Of South Parapet Wall              | 04      | 0.397         | 75.82                    | 6.80                     | 11.18                              | Chrysotile 6.2          | NA                   |
| 11                | AC-04B<br>Base Of Billboard Bracket                 | 04      | 0.295         | 77.97                    | 7.12                     | 14.92                              | NA/PS                   | NA                   |
| 12                | AC-04C<br>Base Of Flue At Eastern Area Of Flat Roof | 04      | 0.453         | 76.60                    | 6.62                     | 16.78                              | NA/PS                   | NA                   |
| 13                | AC-05A<br>SW Area Of First Floor Sloped Roof        | 05      | 0.549         | 20.40                    | 13.11                    | 66.48                              | NAD                     | NAD                  |

Table I

## Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci Sample # | Client Sample# Location                        | HG Area | Sample Weight | Heat Sensitive Organic % | Acid Soluble Inorganic % | Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLMDS | ** Asbestos % by TEM |
|-------------------|------------------------------------------------|---------|---------------|--------------------------|--------------------------|------------------------------------|------------------------|----------------------|
| 14                | AC-05B<br>NW Area Of First Floor Sloped Roof   | 05      | 0.395         | 21.27                    | 13.92                    | 64.81                              | NAD                    | NAD                  |
| 15                | AC-05C<br>NE Area Of First Floor Sloped Roof   | 05      | 0.655         | 20.15                    | 12.67                    | 67.18                              | NAD                    | NAD                  |
| 16                | AC-06A<br>SW Area Of First Floor Sloped Roof   | 06      | 0.092         | 94.57                    | 1.09                     | 4.35                               | NAD                    | NAD                  |
| 17                | AC-06B<br>NW Area Of First Floor Sloped Roof   | 06      | 0.147         | 96.60                    | 0.68                     | 2.72                               | NAD                    | NAD                  |
| 18                | AC-06C<br>NE Area Of First Floor Sloped Roof   | 06      | 0.125         | 81.60                    | 6.40                     | 12.00                              | NAD                    | NAD                  |
| 19                | AC-07A<br>West Side Of Second Floor Of House   | 07      | ---           | ---                      | ---                      | ---                                | Chrysotile 22.         | NA                   |
| 20                | AC-07B<br>West Side Of Second Floor Of House   | 07      | ---           | ---                      | ---                      | ---                                | NAP/PS                 | NA                   |
| 21                | AC-07C<br>East Side - Second Floor Of House    | 07      | ---           | ---                      | ---                      | ---                                | NAP/PS                 | NA                   |
| 22                | AC-08A<br>South Side - Second Floor House Roof | 08      | 0.586         | 59.56                    | 4.44                     | 36.01                              | NAD                    | NAD                  |
| 23                | AC-08B<br>West Side - Second Floor House Roof  | 08      | 0.523         | 50.86                    | 6.50                     | 42.64                              | NAD                    | NAD                  |
| 24                | AC-08C<br>East Side - Second Floor House Roof  | 08      | 0.366         | 46.45                    | 11.20                    | 42.35                              | NAD                    | NAD                  |
| 25                | AC-09A<br>South Side - Southern Most Chimney   | 09      | ---           | ---                      | ---                      | ---                                | NAD                    | NA                   |
| 26                | AC-09B<br>West Side - Southern Most Chimney    | 09      | ---           | ---                      | ---                      | ---                                | NAD                    | NA                   |

Table I

## Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci Sample # | Client Sample# Location                          | HG Area | Sample Weight | Heat Sensitive Organic % | Acid Soluble Inorganic % | Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM                           |
|-------------------|--------------------------------------------------|---------|---------------|--------------------------|--------------------------|------------------------------------|-------------------------|------------------------------------------------|
| 27                | AC-09C<br>East Side - Southern Most Chimney      | 09      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                                             |
| 28                | AC-10A<br>Window Of Southern - Facing Protrusion | 10      | 0.155         | 16.13                    | 68.39                    | 13.98                              | Chrysotile Trace        | Anthophyllite Trace<br>Chrysotile 1.4<br>NA/PS |
| 29                | AC-10B<br>Window Of Southern - Facing Protrusion | 10      | 0.296         | 11.15                    | 75.34                    | 13.51                              | Chrysotile Trace        | NA/PS                                          |
| 30                | AC-10C<br>Window Of Northern - Facing Protrusion | 10      | 0.285         | 9.82                     | 88.77                    | 1.40                               | NAD                     | NA/PS                                          |
| 31                | AC-11A<br>NE Corner Of Floor - Room A            | 11      | 0.213         | 26.29                    | 39.91                    | 25.05                              | Chrysotile Trace        | Anthophyllite <1.0<br>Chrysotile 8.5<br>NA/PS  |
| 32                | AC-11B<br>SE Corner Of Floor - Room A            | 11      | 0.401         | 27.18                    | 41.65                    | 31.17                              | Chrysotile Trace        | NA/PS                                          |
| 33                | AC-11C<br>SW Corner Of Floor - Room A            | 11      | 0.365         | 25.75                    | 64.66                    | 9.59                               | Chrysotile Trace        | NA/PS                                          |
| 34                | AC-12A<br>NE Corner Of Floor - Room A            | 12      | 0.052         | 55.77                    | 13.46                    | 30.52                              | NAD                     | Chrysotile <1.0                                |
| 35                | AC-12B<br>SE Corner Of Floor - Room A            | 12      | ---           | ---                      | ---                      | ---                                | NA                      | NA/PS                                          |
| 36                | AC-12C<br>SW Corner Of Floor - Room A            | 12      | ---           | ---                      | ---                      | ---                                | NA                      | NA/PS                                          |
| 37                | AC-13A<br>East Wall Of Room B                    | 13      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                                             |
| 38                | AC-13B<br>West Wall Of Room B                    | 13      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                                             |
| 39                | AC-13C<br>East Wall Of Room A                    | 13      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                                             |

Table I

## Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci Sample # | Client Sample# Location                             | HG Area | Sample Weight | Heat Sensitive Organic % | Acid Soluble Inorganic % | Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|-------------------|-----------------------------------------------------|---------|---------------|--------------------------|--------------------------|------------------------------------|-------------------------|----------------------|
| 40                | AC-14A<br>Boiler Pit Room - East Wall @ Ceiling     | 14      | ---           | ---                      | ---                      | ---                                | Chrysotile 57.          | NA                   |
| 41                | AC-14B<br>Boiler Pit Room - East Wall @ Ceiling     | 14      | ---           | ---                      | ---                      | ---                                | NA/PS                   | NA                   |
| 42                | AC-14C<br>Boiler Pit Room - East Wall @ Ceiling     | 14      | ---           | ---                      | ---                      | ---                                | NA/PS                   | NA                   |
| 43                | AC-15A<br>Boiler Pit Room - East Wall               | 15      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 44                | AC-15B<br>Boiler Pit Room -North Wall               | 15      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 45                | AC-15C<br>Boiler Pit Room -West Wall                | 15      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 46                | AC-16A<br>Eastern Most Window South Wall Of Room C  | 16      | 0.635         | 8.66                     | 88.50                    | 2.73                               | Chrysotile Trace        | Chrysotile Trace     |
| 47                | AC-16B<br>Large Central Window South Wall Of Room C | 16      | 0.687         | 9.32                     | 88.06                    | 2.52                               | Chrysotile Trace        | Chrysotile Trace     |
| 48                | AC-16C<br>Western Most Window South Wall Of Room C  | 16      | 0.644         | 9.47                     | 87.89                    | 2.54                               | Chrysotile Trace        | Chrysotile Trace     |
| 49                | AC-17A<br>Room #3 - South Wall                      | 17      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 50                | AC-17B<br>Room #6 - North Wall Beneath Staircase    | 17      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 51                | AC-17C<br>Room #2 - West Wall                       | 17      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |
| 52                | AC-18A<br>Room #7 - NW Corner Of Floor              | 18      | ---           | ---                      | ---                      | ---                                | NAD                     | NA                   |

Table I

## Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci<br>Sample # | Client<br>Sample#<br>Location                                 | HG<br>Area | Sample<br>Weight | Heat<br>Sensitive<br>Organic % | Acid<br>Soluble<br>Inorganic % | Insoluble<br>Non-Asbestos<br>Inorganic % | ** Asbestos % by<br>PLM/DS | ** Asbestos % by<br>TEM |
|----------------------|---------------------------------------------------------------|------------|------------------|--------------------------------|--------------------------------|------------------------------------------|----------------------------|-------------------------|
| 53                   | AC-18B<br>Room #7 - SE Corner Of Floor                        | 18         | ----             | ----                           | ----                           | ----                                     | NAD                        | NA                      |
| 54                   | AC-18C<br>Room #5 - Center Of Floor                           | 18         | ----             | ----                           | ----                           | ----                                     | NAD                        | NA                      |
| 55                   | AC-19A<br>Room #6 - Vertical Pipes In NW Corner               | 19         | ----             | ----                           | ----                           | ----                                     | Chrysotile 57.             | NA                      |
| 56                   | AC-19B<br>Room #6 - Vertical Pipes In NW Corner               | 19         | ----             | ----                           | ----                           | ----                                     | NA/PS                      | NA                      |
| 57                   | AC-19C<br>Room #6 - Vertical Pipes In NW Corner               | 19         | ----             | ----                           | ----                           | ----                                     | NA/PS                      | NA                      |
| 58                   | AC-20A<br>Room B4 - Electrical Panel On West Wall             | 20         | 0.053            | 88.68                          | 5.66                           | 5.66                                     | NAD                        | NAD                     |
| 59                   | AC-20B<br>Boiler Pit Room - Electrical Panel On West Wall     | 20         | 0.065            | 80.00                          | 16.92                          | 3.08                                     | NAD                        | NAD                     |
| 60                   | AC-20C<br>Room #4 - Light Switch On West Wall                 | 20         | 0.093            | 51.61                          | 47.31                          | 1.08                                     | NAD                        | NAD                     |
| 61                   | AC-21A<br>North Exterior Of House - Cylindrical Chimney Stack | 21         | ----             | ----                           | ----                           | ----                                     | Chrysotile 24.             | NA                      |
| 62                   | AC-21B<br>North Exterior Of House - Cylindrical Chimney Stack | 21         | ----             | ----                           | ----                           | ----                                     | NA/PS                      | NA                      |

AmeriSci Job #: 204073973

Client Name: YEC, Inc

Table I

Summary of Bulk Asbestos Analysis Results

A0314; American Cleaners; 48-50 Walnut St Binghamton, NY

| AmeriSci Sample # | Client Sample# Location                                       | HG Area | Sample Weight | Heat Sensitive Organic % | Acid Soluble Inorganic % | Insoluble Non-Asbestos Inorganic % | ** Asbestos % by PLM/DS | ** Asbestos % by TEM |
|-------------------|---------------------------------------------------------------|---------|---------------|--------------------------|--------------------------|------------------------------------|-------------------------|----------------------|
| 63                | AC-21C<br>North Exterior Of House - Cylindrical Chimney Stack | 21      | ---           | ---                      | ---                      | ---                                | NA/PS                   | NA                   |

Analyzed by: Jonathan M. Teda *Jonathan Teda*; Date Analyzed 7/27/04

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: *[Signature]*

## BULK SAMPLE SHEET

117 EAST 30<sup>TH</sup> STREET  
NEW YORK, NY 10016  
TOLL FREE (800) 705-5227  
Fax (212) 679-3114

AMERI SCI

Relinquished By: John M Date/Time: 7/21/04: 4PM  
Received By: John M Date/Time: 7/21/04: 4PM  
Relinquished By: John M Date/Time: 7/21/04: 4PM  
Received By: Candace Cole Date/Time: 7/22/04: 1130

Company: YEC, Inc.  
Street Address: 612 Corporate Way, Suite 4M  
City: Valley Cottage State: NY Zip: 10989  
Phone: 845-268-3203 Fax: 845-268-5313  
Site/Secondary Fax: Cell Phone: 631-796-4640  
Results to: John LaMonaco - please FAX

Special Instructions or Comments:

Stop @ 1st Positive.

Project: American Cleaners  
Project Address: 48-50 Walnut St., Binghamton  
Project Manager: John LaMonaco  
Analysis: PLM Only TEM Only NY ELAP PLM/TEM with NOB Prep.  
ASTM Dust (microvac) ASTM Dust (Wipe) Other (describe in comments)  
Turnaround Time: 5 - Day Material Type: ☒ Bulk ☐ Dust ☐ Water  
Sampled By: John LaMonaco Date Sampled: 7/19/04

| Field ID | Location                   | Sample Description<br>(not dust; size of surface area sampled) | Homogeneous Area<br>(HA #) |
|----------|----------------------------|----------------------------------------------------------------|----------------------------|
| AC-01A   | Black Roof Tar             | SW corner of flat roof                                         |                            |
| AC-01B   |                            | Eastern area of flat roof                                      |                            |
| AC-01C   |                            | Center of garage roof                                          |                            |
| AC-02A   | Brown Hair-like Insulation | SW corner of flat roof                                         |                            |
| AC-02B   |                            | Eastern area of flat roof                                      |                            |
| AC-02C   |                            | Center of garage roof                                          |                            |
| AC-03A   | Black Tar Paper            | SW corner of flat roof                                         |                            |
| AC-03B   |                            | Eastern area of flat roof                                      |                            |
| AC-03C   |                            | Center of garage roof                                          |                            |
| AC-04A   | Gray Tar Patching Material | Center of South Parapet Wall                                   |                            |
| AC-04B   |                            | Base of Billboard Bracket                                      |                            |
| AC-04C   |                            | Base of Flue at Eastern area of flat roof                      |                            |
| AC-05A   | Light Green Shingle        | SW area of first floor sloped roof                             |                            |
| AC-05B   |                            | NW                                                             |                            |
| AC-05C   |                            | NE                                                             |                            |

# BULK SAMPLE SHEET

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Relinquished By: John ZM Date/Time: 7/21/04: 4PM  
Received By: Fed Ex Date/Time: 7/21/04: 4PM  
Relinquished By: Candace Date/Time: 7/22/04: 11:00  
Received By: Candace Date/Time: 7/22/04: 11:00

Company: YEC, Inc.  
Street Address: 612 Corporate Way, Suite 4M  
City: Valley Cottage State: NY Zip: 1098  
Phone: 845-268-3203 Fax: 845-268-5313  
Site/Secondary Fax #: Cell phone: 631-796-4640  
Results to: John Lo Monaco - please FAX  
Special Instructions or Comments: Stop @ 1st Positive

Project: American Cleaners  
Project Address: 4850 Walnut St. - Binghamton  
Project Manager: John Lo Monaco  
Analysis: PLM Only TEM Only NY ELAP PLM/TEM with NOB Prep.  
ASTM Dust (microvac) ASTM Dust (Wipe) Other (describe in comments)  
Turnaround Time: 5-Day Material Type: ✓ Bulk Dust Water  
Sampled By: John Lo Monaco Date Sampled: 7/19/04

| Field ID | Location                          | Sample Description<br>(No dust - size of surface area sampled) | Homogeneous Area<br>(H/A #) |
|----------|-----------------------------------|----------------------------------------------------------------|-----------------------------|
| AC-06A   | Light Green Shingle Paper (Black) | SW area of first floor sloped roof                             |                             |
| -06B     |                                   | NW                                                             |                             |
| -06C     |                                   | NE                                                             |                             |
| -07A     | Gray Shingles                     | West Side of Second floor of house                             |                             |
| -07B     |                                   |                                                                |                             |
| -07C     |                                   | East Side - Second floor of house                              |                             |
| -08A     | Green Shingles                    | South Side - Second floor house roof                           |                             |
| -08B     |                                   | West Side                                                      |                             |
| -08C     |                                   | East Side                                                      |                             |
| -09A     | Beige Chimney Brick Mortar        | South Side - Southern-most chimney                             |                             |
| -09B     |                                   | West Side                                                      |                             |
| -09C     |                                   | East Side                                                      |                             |
| -10A     | White Window Glaze                | Window of southern-facing protrusion                           |                             |
| -10B     |                                   |                                                                |                             |
| -10C     |                                   | Window of northern-facing protrusion                           |                             |

## BULK SAMPLE SHEET

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Fax (212) 679-3114

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Relinquished By: John Z Date/Time: 7/21/04: 4PM  
Received By: FEV EX Date/Time: 7/21/04: 4PM  
Relinquished By: Carolee Date/Time: 7/22/04/11:00  
Received By: Carolee Date/Time: 7/22/04/11:00

Company: YEC, Inc.  
Project: American Cleaners  
Project Address: 48-50 Walnut St. Binghamton Project #: AD314  
City: Valley Cottage State: NY Zip: 10989  
Phone: 845-268-3203 Fax: 845-268-5313  
Cell Phone: 631-796-4640  
Results to: John Lo Monaco - Please FAX  
Special Instructions or Comments:

Analysis: PLM Only TEM Only NY ELAP PLM/TEM with NOB Prep.  
ASTM Dust (microvac) ASTM Dust (Wipe) Other (describe in comments)  
Turnaround Time: 5-Day Material Type: Bulk Dust Water  
Sampled By: John Lo Monaco Date Sampled: 7/19/04

| Field ID | Location                              | Sample Description<br>(for dust, end of surface area sampled) | Homogenous Area<br>(HA #) |
|----------|---------------------------------------|---------------------------------------------------------------|---------------------------|
| AC-11A   | NE Corner of Floor - Room A           | 9"x9" <del>Fl</del> Floor Tile                                |                           |
| 11B      | SE                                    | ↓                                                             |                           |
| 11C      | SW                                    | ↓                                                             |                           |
| 12A      | NE Corner of Floor - Room A           | 9"x9" Floor Tile Mastie                                       |                           |
| 12B      | SE                                    | ↓                                                             |                           |
| 12C      | SW                                    | ↓                                                             |                           |
| 13A      | East Wall of Room B                   | Gypsum Board                                                  |                           |
| 13B      | West Wall of Room B                   | ↓                                                             |                           |
| 13C      | East Wall of Room A                   | ↓                                                             |                           |
| 14A      | Boiler Pit Room - East Wall @ Ceiling | Pipe Insulation                                               |                           |
| 14B      | ↓                                     | ↓                                                             |                           |
| 14C      | ↓                                     | ↓                                                             |                           |
| 15A      | Boiler Pit Room - East Wall           | Plaster on Stone Wall                                         |                           |
| 15B      | ↓ North Wall                          | ↓                                                             |                           |
| 15C      | ↓ West Wall                           | ↓                                                             |                           |



**117 EAST 30<sup>TH</sup> STREET  
NEW YORK, NY 10016  
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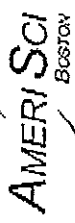
AMERI SCI

|                  |                     |            |   |    |        |
|------------------|---------------------|------------|---|----|--------|
| Relinquished By: | <i>John</i>         | Date/Time: | 7 | 21 | 09:48m |
| Received By:     | <i>Fed Ex</i>       | Date/Time: | 7 | 21 | 09:48m |
| Relinquished By: |                     | Date/Time: |   |    |        |
| Received By:     | <i>Candace Cole</i> | Date/Time: | 7 | 22 | 01:11Z |

|                                   |                              |                  |                               |                |                                                                                                                      |
|-----------------------------------|------------------------------|------------------|-------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------|
| Company:                          | YES, Inc.                    | Project:         | American Cleaners             | SOLAR          | 204073973                                                                                                            |
| Street Address:                   | 612 Corporate Way, Suite 404 | Project Address: | 48-50 Walnut St. - Binghamton | Project #:     | A0314                                                                                                                |
| City:                             | Valley Cottage               | State:           | NY                            | Zip:           | 10989                                                                                                                |
| Phone:                            | 845-268-3203                 | Fax:             | 845-268-5313                  | Analysis:      | PLM Only <input type="checkbox"/> TEM Only <input checked="" type="checkbox"/> NY ELAP PLM/TEM with NOB Prep.        |
| Site/Secondary Fax #:             | Cell phone: 631-796-4640     |                  |                               |                | ASTM Dust (microvac) <input type="checkbox"/> ASTM Dust (Wipe) <input type="checkbox"/> Other (describe in comments) |
| Results to:                       | John Comarico - Please FAX   | Turnaround Time: | S - Day                       | Material Type: | Bulk <input checked="" type="checkbox"/> Dust <input type="checkbox"/> Water                                         |
| Special Instructions or Comments: |                              | Sampled By:      | John Comarico                 | Date Sampled:  | 7/20/04                                                                                                              |

[illegible]

# CHAIN OF CUSTODY RECORD



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www.ameriscisci.com

COMPANY: **YEC, Inc.**

ADDRESS: **612 Corporate Way - Suite 4M, Valley Cottage, NY 10989**

PHONE: **845-268-3203** FAX: **845-268-5313**

CLIENT: **John LoMonaco** EMAIL: **LOMONACO@YEC@VERIZON.NET**

PROJECT NAME: **American Cleaners** PROJECT NUMBER: **AD314** PROJECT STATE: **NY**

MATRIX: **A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS**  
**WI-WIPES C-CASSETTES W-WASTE O-OTHER**

CONTAINER: **G-GLASS V-VOA**

CONTAINER: **SIZE TYPE #**

MATRIX: **CH 4x4 P 1**

CLIENT SAMPLE IDENTIFICATION: **LAC-01**

DATE: **7/21/04** TIME: **8:15**

DATE: **7/21/04** TIME: **8:30**

DATE: **7/21/04** TIME: **8:45**

DATE: **7/21/04** TIME: **9:00**

DATE: **7/21/04** TIME: **9:15**

DATE: **7/21/04** TIME: **9:30**

DATE: **7/21/04** TIME: **9:45**

DATE: **7/21/04** TIME: **10:00**

DATE: **7/21/04** TIME: **10:15**

DATE: **7/21/04** TIME: **10:30**

DATE: **7/21/04** TIME: **10:45**

DATE: **7/21/04** TIME: **11:00**

AMERISCI JOB NO: \_\_\_\_\_

DUE DATE: \_\_\_\_\_

11 DAY 12 DAY 13 DAY 15 DAY 17 DAY 110 DAY

DATA PACKAGE: **0407-361**

P.O.# \_\_\_\_\_

PAGE **1** OF **3**

TEMP UPON RECEIPT: \_\_\_\_\_

Atomic Absorption Spectrometry (AAS)

Notes: \_\_\_\_\_

DATE: **7/21/04** TIME: **4:00 PM**

Fed Ex

DATE: **7/21/04** TIME: **4:00 PM** (SIGN)

DATE: **7/22/04** TIME: **11:30**

RECEIVED BY: (PRINT) **John LoMonaco**  
 (SIGN) *[Signature]*  
 RECEIVED FOR LABORATORY BY: (PRINT) **John LoMonaco**  
 (SIGN) *[Signature]*

SAMPLED BY: (PRINT) **John LoMonaco**  
 (SIGN) *[Signature]*  
 RELINQUISHED BY: (PRINT) \_\_\_\_\_  
 (SIGN) \_\_\_\_\_  
 RELINQUISHED BY: (PRINT) \_\_\_\_\_  
 (SIGN) \_\_\_\_\_

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**AMERISCI BOSTON**  
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COMPANY:

YEC, Inc.

ADDRESS:

612 Corporate Way - Suite 4M Valley Cottage, NY 10989

PHONE:

845-268-3203 FAX: 845-268-5313

CLIENT:

John LoMonaco

CONTACT:

JOHNL@MONACO.YEC.COM

PROJECT:

American Cleaners

NAME:

PROJECT NUMBER: A0314

MATRIX:

A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS

WI-WIPES C-CASSETTES W-WASTE O-OTHER

CONTAINER:

CONTAINER: P-PLASTIC G-GLASS V-VOA

STATE:

NY

DATE:

7/20/04

TIME:

11:15

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DATE:

7/21/04

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CHAIN OF CUSTODY RECORD

AMERISCI BOSTON  
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www.amerisciboston.com

COMPANY: YEC, Inc.  
ADDRESS: 612 Corporate Way - Suite 4M Valley Cottage, NY 10989  
PHONE: 845-268-3203 FAX: 845-268-5313  
CLIENT: John LoMonico EMAIL: JOHN.LOMONICO.YEC@VERIZON.NET

PROJECT NAME: American Cleaners PROJECT NUMBER: A0314  
MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS  
WI-WIPES C-CASSETTES W-WASTE O-OTHER

AMERISCI JOB NO: 0407-361  
DUE DATE: 11 DAY 12 DAY 13 DAY 15 DAY 17 DAY 19 DAY 21 DAY 23 DAY 25 DAY 27 DAY 29 DAY 31 DAY  
DATA PACKAGE: 0407-361

| LAB ID | CLIENT SAMPLE IDENTIFICATION | MATRIX | CONTAINER | SIZE | TYPE | # | SAMPLING INFORMATION | DATE    | TIME  | TECH     |
|--------|------------------------------|--------|-----------|------|------|---|----------------------|---------|-------|----------|
| LAC-25 |                              | CH     | 4X4       | P    |      |   |                      | 7/20/04 | 14:15 | Scrape G |
| 26     |                              |        |           |      |      |   |                      | 14:30   |       |          |
| 27     |                              |        |           |      |      |   |                      | 14:45   |       |          |
| 28     |                              |        |           |      |      |   |                      | 15:00   |       |          |
| 29     |                              |        |           |      |      |   |                      | 15:15   |       |          |
| 30     |                              |        |           |      |      |   |                      | 15:30   |       |          |
| 31     |                              |        |           |      |      |   |                      | 15:45   |       |          |

Notes:

SAMPLED BY: (PRINT) John LoMonico  
(SIGN) *John LoMonico*

REINQUISHED BY: (PRINT) *John LoMonico*  
(SIGN) *John LoMonico*

REINQUISHED BY: (PRINT) *John LoMonico*  
(SIGN) *John LoMonico*

DATE: 7/21/04 RECEIVED BY: (PRINT) Fed Ex  
TIME: 4:00 PM (SIGN)

DATE: 7/21/04 RECEIVED BY: (PRINT) *Andace Coker*  
TIME: 4:00 PM (SIGN) *Andace Coker*

DATE: 7/23/04 RECEIVED FOR LABORATORY BY: (PRINT) *Andace Coker*  
TIME: 4:00 PM (SIGN) *Andace Coker*

DATE: 7/21/04 TIME: 4:00 PM  
DATE: 7/23/04 TIME: 4:00 PM

PAGE 3 OF 3  
TEMP UPON RECEIPT:

GRAVE (G) OR COMPOSITE (C)  
PRESERVATION  
SAMPLE PH AT LOGIN

Atomic Absorption Spectrometry (AAS)

DATE: 7/21/04 TIME: 4:00 PM  
DATE: 7/23/04 TIME: 4:00 PM

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| Pick-Up Date | Pick-Up Time | Pick-Up Agent | Account # | Service Level | Route | Stop |
| 7/22/04      | 2:30         | 8528          | 1 63218 7 | 1             | 509   |      |

2 FROM (Your Name) CCM Phone (800) 705-5227

Company SCILAR Room/Floor   
Street Address 117 EAST 30TH STREET  
City NEW YORK State NY Zip Code 10015  
Special Instructions

3 TO (Recipient's Name) SCILAR Room/Floor   
Exact Street Address 8 SCHOOL STREET  
City NEW YORK State MA Zip Code 02189  
Special Instructions

4 Shipper's Billing Reference

5 Release Signature

6 EC Guaranteed Express Parcel Services ☆

|                                                                                                                                        |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Priority Letter (8 oz or less) - Delivery before 9 AM to major downtown business districts - 10:30 AM suburbs | Pieces <u>1</u>                               |
| <input type="checkbox"/> Express Priority Overnight - Delivery before 9 AM to major downtown business districts - 10:30 AM suburbs     | Weight <u>20</u> lbs. (Subject to correction) |
| <input type="checkbox"/> Next Business Day (By 5 pm)                                                                                   | Reweigh <u></u>                               |
| <input type="checkbox"/> Night Owl (Late Night Pick-up)                                                                                |                                               |
| <input type="checkbox"/> Same Day (Nationwide Next Flight or Door to Door Direct Drive)                                                |                                               |

☐ Saturday Delivery ☐ Sunday/Holiday Delivery  
(Not available to all Locations)  
☐ Early AM by AM  
(Must call for prior arrangements)



31614610

## Appendix D

### **Lead-based Paint Field Notes Summary**

A Lead-Based Paint Inspection was conducted on 7/20/04, at the American Cleaners Site, Binghamton, NY. The lead-based paint inspection was performed to identify paint that contains lead above allowable levels. Lead-based paint is defined as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligrams per square centimeter or more than 0.5 percent by weight. Shaded areas indicate lead based paint.

First Floor – Rooms A, B and C (All paint sampled in these rooms was not lead-based) (Figure 2)

1. Sample LAC-01 – White Paint on Metal – not LBP
  - Sample taken from the SE corner of the tin drop ceiling located in Room A
  - Analysis of this paint chip yielded <0.5% lead by weight (LBW)
  - Equivalent paint existed on the drop ceiling in Room C
2. Sample LAC-02 – White/Gold Paint on Gypsum Board – not LBP
  - Sample taken from the south wall of Room A
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the other three walls of Room A
3. Sample LAC-03 – White Paint on Wood – not LBP
  - Sample taken from the interior north door of Room A
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on this doorframe and the door and doorframe on the inside of the north door of Room B
4. Sample LAC-04 – White Paint on Gypsum Board – not LBP
  - Sample taken from the west wall of Room B
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the remaining three walls and the ceiling of Room B
5. Sample LAC-05 – Yellow/Gray Paint on Concrete – not LBP
  - Sample taken from the north wall of Room C
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the south wall of Room C
6. Sample LAC-06 – Yellow Paint on Gypsum Board – not LBP
  - Sample taken from the west wall of Room C
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the interior east wall of Room C
7. Sample LAC-07 – Yellow/Gray/Green Paint on Metal – not LBP
  - Sample taken from the east doorframe in Room C leading to the basement stairwell
  - Analysis yielded <0.5% LBW
8. Sample LAC-15 – Gray Paint on Metal – not LBP
  - Sample taken from the interior east exit door in Room C leading to the outside walkway
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the associated doorframe

First Floor of House – LBP (Rooms 1-8) (Figure 2)

1. Sample LAC-08 – Yellow/Beige Paint on Gypsum Board – LBP
  - Sample taken from the east wall of Room 1
  - Equivalent paint existed on all walls and ceilings of Rooms 1 and 2
  - Equivalent paint existed on all walls of Room 6
2. Sample LAC-09 – Yellow/Green Paint on Wood - LBP
  - Sample taken from the doorframe connecting Rooms 2 and 4
  - Equivalent paint existed on all doorframes in Room 4, connecting Rooms 1,2,3,6, and 7
  - Equivalent paint existed on doorframe connecting Rooms 5 and 6
  - Equivalent paint existed on all window frames in Rooms 4 and 7
  - Equivalent paint existed on baseboards of Room 6
3. Sample LAC-10 – Green Paint on Gypsum Board – not LBP
  - Sample taken from south wall of Room 4
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on all walls and ceiling of Room 3
  - Equivalent paint existed on all walls of Rooms 4,7 and 5

Second Floor of House – LBP (Rooms 9-15) (Figure 3)

1. Sample LAC-11 – Beige/Yellow/White Paint on Wood - LBP
  - Sample taken from doorframe connecting Rooms 9 and 12 (see Figure 3)
  - Equivalent paint existed on all doors and doorframes, window frames, and baseboards in Rooms 9-15
2. Sample LAC-12 – Beige Paint on Gypsum Board – not LBP
  - Sample taken from the west wall of Room 15
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on three remaining walls and ceiling of Room 15
  - Equivalent paint existed on all walls and ceiling in Rooms 10 and 13
  - Equivalent paint existed on ceilings in Rooms 11, 12 and 14
3. Sample LAC-13 – Green Paint on Gypsum - LBP
  - Sample taken from north wall in Room 9
  - Equivalent paint existed on all walls and ceilings in Room 9
4. Sample LAC-14 – Brown Paint on Wood - LBP
  - Sample taken from the stairs between first and second floors of the house, between Rooms 6 and 9

Basement- LBP (B-Main, B1, B2, B3, B4 and B5) (Figure 4) No paint was found in the Boiler Pit Room or the Storage Room

1. Sample LAC-16 – Gray/White Paint on Concrete - LBP
  - Sample taken from the west wall of Room B1
  - Equivalent paint existed on all walls of Room B1
2. Sample LAC-17 – Beige Paint on Wood – not LBP

- Sample taken from the doorframe of Room B1
- Analysis yielded <0.5% LBW
- Equivalent paint existed on door of Room B1
- Equivalent paint existed on doors and doorframes of Rooms B2 and B3
- 3. Sample LAC-18 – Beige Paint on Concrete – not LBP
  - Sample taken from the north wall of Room B2
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on all walls of Room B2
  - Equivalent paint existed on the north, south and west walls of Room B4
- 4. Sample LAC-19 – White Paint on Metal – not LBP
  - Sample taken from the central horizontal ceiling beam in Room B-Main
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on all vertical and horizontal metal supports in Room B-Main
- 5. Sample LAC-20 – Yellow Paint on Concrete – not LBP
  - Sample taken from the north wall of Room B3
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the remaining three walls
- 6. Sample LAC-21 – Yellow Paint on Concrete - LBP
  - Sample taken from the south wall of Room B-Main
  - Equivalent paint existed on all walls of B-Main
- 7. Sample LAC-22 – Gray Paint on Concrete – LBP
  - Sample taken from south wall of Room B5
  - Equivalent paint existed on all walls of Room B5 and all walls and ceilings of Room 8
  - Room B5 and Room 8 are connected with a stairwell
- 8. Sample LAC-23 – Gray Paint on Metal – LBP
  - Sample taken from north door of Room B-Main to Room B5
  - Equivalent paint existed on this particular doorframe and on the door and doorframe at the east end of Room B-main, leading to stairwell

**Exterior of the Structure – LBP (Figure 2)**

1. LAC-24 – Gray Paint on Concrete – not LBP
  - Sample taken from the exterior north face of Room B
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the exterior west face of Room B
2. LAC-25 – Gray Paint on Shingle – not LBP
  - Sample taken from the north face of the house
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the exterior east and west faces of the second floor of the house
  - Equivalent paint existed on the exterior east face of the first floor of the house
3. LAC-26 – Gray Paint on Brick – not LBP
  - Sample taken from the exterior west face of Room A
  - Analysis yielded <0.5% LBW

American Cleaners Suspect Lead-Based Paint (LBP) Field Notes Summary

- Equivalent paint existed on the brick portion of the western edge of the exterior south face of Room A
- Equivalent paint existed on the brick window sill on the exterior south face of Room A
- 4. LAC-27 – Gray Paint on Stone – not LBP
  - Suspect LBP was sampled from the exterior south face of Room C
  - Analysis yielded <0.5% LBW
  - Equivalent paint existed on the north exterior face of Room C.
- 5. LAC-28 – White Paint on Stone – not LBP
  - Sample taken from the exterior east face of Room C
  - Analysis yielded <0.5% LBW
- 6. LAC-29 – Gray/White Paint on Wood – not LBP
  - Sample taken from the exterior of the door to the Room C stairwell
  - Analysis yielded <0.5% LBW
- 7. LAC-30 – Gray Paint on Concrete – not LBP
  - Sample taken from the exterior south face (concrete) of the Garage
  - Analysis yielded <0.5% LBW
- 8. Sample LAC-31 – Grey Paint on Wood - LBP
  - Sample taken from exterior of door leading to Room 8
  - Equivalent paint existed on doorframe and interior of this particular door

**Comments:**

Any substrate not mentioned above was not painted. For example, some walls had wallpaper over gypsum board, and others had wood paneling over gypsum board. Drop ceilings would cover unpainted gypsum board or wood ceilings.

## Appendix E

### **Lead-based Paint Sample Results and Chains of Custody**

## TRANSACTION REPORT

P.01/01

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## FACSIMILE TELECOPY TRANSMISSION

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YEC Inc.

Fax # 845-268-5313

AmeriSci Job# 0407-00361

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Customer: YEC Inc.  
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Attention: Mr. John LoMonaco

Subject: AMERICAN CLEANERS: Pb CHIPS

Sample: 001 LAC-01  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0842  | %     | 0.0120 | NAP     | 07/26/2004    |      |

Sample: 002 LAC-02  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | ND      | %     | 0.0129 | NAP     | 07/26/2004    |      |

Sample: 003 LAC-03  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0262  | %     | 0.0130 | NAP     | 07/26/2004    |      |

Sample: 004 LAC-04  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.217   | %     | 0.0125 | NAP     | 07/26/2004    |      |

Sample: 005 LAC-05  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.447   | %     | 0.0349 | NAP     | 07/26/2004    |      |

Sample: 006 LAC-06  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0232  | %     | 0.0134 | NAP     | 07/26/2004    |      |

Sample: 007 LAC-07  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.262   | %     | 0.0230 | NAP     | 07/26/2004    |      |

Sample: 008 LAC-08  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.548   | %     | 0.0467 | NAP     | 07/26/2004    |      |

Sample: 009 LAC-09  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL  | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 23.6    | %     | 1.30 | NAP     | 07/26/2004    |      |

Sample: 010 LAC-10  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.219   | %     | 0.0179 | NAP     | 07/26/2004    |      |

Sample: 011 LAC-11  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL  | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 15.3    | %     | 1.38 | NAP     | 07/26/2004    |      |

Sample: 012 LAC-12  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0384  | %     | 0.0120 | NAP     | 07/26/2004    |      |

Sample: 013 LAC-13  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.519   | %     | 0.0462 | NAP     | 07/26/2004    |      |

Sample: 014 LAC-14  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL  | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 14.3    | %     | 1.31 | NAP     | 07/26/2004    |      |

Sample: 015 LAC-15  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0370  | %     | 0.0156 | NAP     | 07/26/2004    |      |

Sample: 016 LAC-16  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.519   | %     | 0.0462 | NAP     | 07/26/2004    |      |

Sample: 017 LAC-17  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.485   | %     | 0.0440 | NAP     | 07/26/2004    |      |

Sample: 018 LAC-18  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.394   | %     | 0.0240 | NAP     | 07/26/2004    |      |

Sample: 019 LAC-19  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.128   | %     | 0.0127 | NAP     | 07/26/2004    |      |

Sample: 020 LAC-20  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.217   | %     | 0.0114 | NAP     | 07/26/2004    |      |

Sample: 021 LAC-21  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.525   | %     | 0.0389 | NAP     | 07/26/2004    |      |

Sample: 022 LAC-22  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.894   | %     | 0.0641 | NAP     | 07/26/2004    |      |

Sample: 023 LAC-23  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL   | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|-------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 5.47    | %     | 0.345 | NAP     | 07/26/2004    |      |

Sample: 024 LAC-24  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0313  | %     | 0.0136 | NAP     | 07/26/2004    |      |

Sample: 025 LAC-25  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.116   | %     | 0.0149 | NAP     | 07/26/2004    |      |

Sample: 026 LAC-26  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0374  | %     | 0.0111 | NAP     | 07/26/2004    |      |

Sample: 027 LAC-27  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0363  | %     | 0.0128 | NAP     | 07/26/2004    |      |

Sample: 028 LAC-28  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0478  | %     | 0.0117 | NAP     | 07/26/2004    |      |

Sample: 029 LAC-29  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 0.0307  | %     | 0.0131 | NAP     | 07/26/2004    |      |

Sample: 030 LAC-30  
Date: 07/20/2004  
Matrix: CHIP

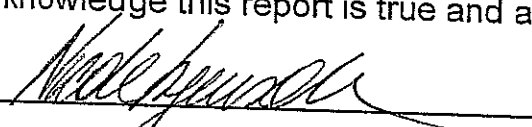
| Parameter  | Method       | Results | Units | PQL    | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|--------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | ND      | %     | 0.0139 | NAP     | 07/26/2004    |      |

Sample: 031 LAC-31  
Date: 07/20/2004  
Matrix: CHIP

| Parameter  | Method       | Results | Units | PQL   | Analyst | Analysis Date | Qual |
|------------|--------------|---------|-------|-------|---------|---------------|------|
| Lead, Chip | 7420, SW-846 | 9.48    | %     | 0.578 | NAP     | 07/26/2004    |      |

To the best of my knowledge this report is true and accurate.

Authorized By:

  
Nicole Ingersoll, Technical Director