Building 1: 2nd Floor Interstitial:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Fireproofing Overspray	**2nd Floor Interstitial**	**55,000 sq ft**	**Surf**	**407689- 1 407690- 2 407691- 3**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Beams	**2nd Floor Interstitial**	**90,00 sq ft**	**Surf**	**407692- 4 407693- 5 407694- 6**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Columns	**2nd Floor Interstitial**	**30,000 sq ft**	**Surf**	**407695- 7 407696- 8 407697- 9**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Thermal System Insulation Elbows	**2nd Floor Interstitial**	**1,000 sq ft**	**TSI**	**407698- 10 407699- 11 407700- 12**	**4% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Pipe Wrap Cloth	**2nd Floor Interstitial (some fiberglass materials observed)**	**2,500 ln ft**	**TSI**	**Homogeneous with 1st floor sampling 407659- 22 407660- 23 407661-24**	**80% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Brown Duct Seam Caulking	**2nd Floor Interstitial Ducts**	**2,000 sq ft**	**Misc**	**407704- 16 407705- 17 407706- 18**	**5% Chrysotile**	**Non**	**G**	**11**	**Continue O& M procedures**
Green Duct Seam Caulking	2nd Floor Interstitial Ducts	-	Misc	407707- 19 407708- 20 407709- 21	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Plaster	2nd Floor Interstitial	-	Surf	407710- 22 407711- 23 407712- 24	ND	Non	G	N/A	Samples indicate materials is non-asbestos

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Note 2: All activities involving work above T-Bar ceilings, air plenums etc., including removal and or changing of panels and ceiling, where ACM fireproofing is found should be performed by (at a minimum) 16-hour AHERA Operations and Maintenance Trained individuals (or Licensed Abatement Contractor) under proper PPE and containment. Until exposure assessments are determined, all asbestos disturbance work should be assumed to be above the OSHA Permissible Exposure Limits.

Building 1: 3rd Floor Interstitial:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Fireproofing Overspray	**3rd Floor Interstitial**	**55,000 sq ft**	**Surf**	**407662- 1 407663- 2 407664- 3**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Beam	**3rd Floor Interstitial**	**90,00 sq ft**	**Surf**	**407665- 4 407666- 5 407667- 6**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Column	**3rd Floor Interstitial**	**30,000 sq ft**	**Surf**	**407668- 7 407669- 8 407670- 9**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Thermal System Insulation Elbows	**3rd Floor Interstitial**	**1,000 sq ft**	**TSI**	**407671- 10 407672- 11 407673- 12**	**4% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Duct Caulking	**3rd Floor Interstitial**	**2,500 ln ft**	**Misc**	**407674- 13 407675- 14 407676- 15**	**5% Chrysotile**	**Friable**	**G**	**11**	**Continue O& M procedures**
Fiberglass Pipe Wrap	3rd Floor Interstitial	-	TSI	407677- 16 407678- 17 407679- 18	ND	Friable	**G**	N/A	Samples indicate materials is non-asbestos
Plaster	3rd Floor Interstitial	-	Surf	407680- 19 407681- 20 407682- 21	ND	Non	**G**	N/A	Samples indicate materials is non-asbestos
Cloth Pipe Wrap	**3rd Floor Interstitial**	**2,500 ln ft**	**TSI**	**407683- 22 407684- 23 407685- 24**	**6% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Green Duct Seam Caulking	3rd Floor Interstitial	-	Misc	407686- 25 407687- 26 407688- 27	ND	Non	**G**	N/A	Samples indicate materials is non-asbestos

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Note 2: All activities involving work above T-Bar ceilings, air plenums etc., including removal and or changing of panels and ceiling, where ACM fireproofing is found should be performed by (at a minimum) 16-hour AHERA Operations and Maintenance Trained individuals (or Licensed Abatement Contractor) under proper PPE and containment. Until exposure assessments are determined, all asbestos disturbance work should be assumed to be above the OSHA Permissible Exposure Limits.

Building 1: 4th Floor Interstitial:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Fireproofing Overspray	**4th Floor Interstitial**	**55,000 sq ft**	**Surf**	**407584- 1 407585- 2 407586- 3**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Beam	**4th Floor Interstitial**	**90,00 sq ft**	**Surf**	**407587- 4 407588- 5 407589- 6**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Column	**4th Floor Interstitial**	**30,000 sq ft**	**Surf**	**407590- 7 407591- 8 407592- 9**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Thermal System Insulation Elbows	**4th Floor Interstitial**	**1,000 sq ft**	**TSI**	**Homogeneous with 2nd floor sampling**	**4% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Fiberglass Pipe Wrap	4th Floor Interstitial	-	TSI	407596- 13 407597- 14 407598- 15	ND	Friable	**G**	N/A	Samples indicate materials is non-asbestos
Brown Duct Seam Caulking/Mastic	**4th Floor Interstitial**	**2,500 ln ft**	**Misc**	**407599- 16 407600- 17 407601- 18**	**5% Chrysotile**	**Friable**	**G**	**11**	**Continue O& M procedures**
Green Duct Seam Caulking/Mastic	4th Floor Interstitial	-	Misc	407602- 19 407603- 20 407604- 21	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Cloth Pipe Wrap	**4th Floor Interstitial Pipes**	**2,500 ln ft**	**TSI**	**407605- 22 407606- 23 407607- 24**	**95% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Plaster	4th Floor Interstitial Walls	-	Surf	407608- 25 407609- 26 407610- 27	Top Coat = ND Plaster = ND	Non	G	N/A	Samples indicate materials is non-asbestos

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Note 2: All activities involving work above T-Bar ceilings, air plenums etc., including removal and or changing of panels and ceiling, where ACM fireproofing is found should be performed by (at a minimum) 16-hour AHERA Operations and Maintenance Trained individuals (or Licensed Abatement Contractor) under proper PPE and containment. Until exposure assessments are determined, all asbestos disturbance work should be assumed to be above the OSHA Permissible Exposure Limits.

Building 1: 5th Floor Interstitial:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Fireproofing Overspray	**5th Floor Interstitial**	**55,000 sq ft**	**Surf**	**407626- 16 407627- 17 407628- 18**	**3% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Beam	**5th Floor Interstitial**	**90,00 sq ft**	**Surf**	**407629- 19 407630- 20 407631- 21**	**3% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Column	**5th Floor Interstitial**	**30,000 sq ft**	**Surf**	**407611- 1 407612- 2 407613- 3**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Thermal System Insulation Elbows	**5th Floor Interstitial**	**1,000 sq ft**	**TSI**	**407614- 4 407615- 5 407616- 6**	**3% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Fiberglass Pipe Wrap	5th Floor Interstitial	-	TSI	407617- 7 407618- 8 407619- 9	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Brown Duct Seam Caulking	**5th Floor Interstitial**	**2,500 ln ft**	**Misc**	**407620- 10 407621- 11 407622- 12**	**5% Chrysotile**	**Non**	**G**	**11**	**Continue O& M procedures**
Plaster	5th Floor Interstitial	-	Surf	407623- 13 407624- 14 407625- 15	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Cloth Pipe Wrap	**5th Floor Interstitial**	**2,500 ln ft**	**TSI**	**407632- 22 407633- 23 407634- 24**	**80% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Green Duct Seam Caulking	5th Floor Interstitial	-	Misc	407635- 25 407636- 26 407637- 27	ND	Non	G	N/A	Samples indicate materials is non-asbestos

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Note 2: All activities involving work above T-Bar ceilings, air plenums etc., including removal and or changing of panels and ceiling, where ACM fireproofing is found should be performed by (at a minimum) 16-hour AHERA Operations and Maintenance Trained individuals (or Licensed Abatement Contractor) under proper PPE and containment. Until exposure assessments are determined, all asbestos disturbance work should be assumed to be above the OSHA Permissible Exposure Limits.

Building 1: 6th Floor Interstitial:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Fireproofing Overspray	**6th Floor Interstitial**	**55,000 sq ft**	**Surf**	**407557- 1 407558- 2 407559- 3**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Beams	**6th Floor Interstitial**	**90,00 sq ft**	**Surf**	**407560- 4 407561- 5 407562- 6**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Fireproofing Columns	**6th Floor Interstitial**	**30,000 sq ft**	**Surf**	**407563- 7 407564- 8 407565- 9**	**8% Chrysotile**	**Friable**	**G**	**6**	**Continue O& M procedures Follow guidelines under Note 2 below**
Thermal System Insulation Elbows	**6th Floor Interstitial**	**1,000 sq ft**	**TSI**	**407566- 10 407567- 11 407568- 12**	**5% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**
Duct Seam Caulking	**6th Floor Interstitial**	**2,500 ln ft**	**Misc**	**407569- 13 407570- 14 407571- 15**	**5% Chrysotile**	**Non**	**G**	**9**	**Continue O& M procedures**
Fiberglass Pipe Wrap	6th Floor Interstitial	-	TSI	407572- 16 407573- 17 407574- 18	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Plaster	6th Floor Interstitial Walls, Elevator Shafts, Stairwells, Walls	-	Surf	407575- 19 407576- 20 407577- 21	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Cloth Pipe Wrap	**6th Floor Interstitial**	**2,500 ln ft**	**TSI**	**407578- 22 407579- 23 407580- 24**	**10% Chrysotile**	Non	**G**	**11**	**Continue O& M procedures**
Green Duct Seam Caulking/Mastic	6th Floor Interstitial	-	Misc	407581- 25 407582- 26 407583- 27	ND	Non	G	N/A	Samples indicate materials is non-asbestos

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Note 2: All activities involving work above T-Bar ceilings, air plenums etc., including removal and or changing of panels and ceiling, where ACM fireproofing is found should be performed by (at a minimum) 16-hour AHERA Operations and Maintenance Trained individuals (or Licensed Abatement Contractor) under proper PPE and containment. Until exposure assessments are determined, all asbestos disturbance work should be assumed to be above the OSHA Permissible Exposure Limits.

Building 2:

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Roofing Material	Roof	-	Misc	406258- 1 406259- 2 406260- 3	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Penetration Mastic	**Roof**	**200 sq. ft.**	Misc	**406261- 4 406262- 5 406263- 6**	**4% Chrysotile**	**Friable**	**G**	**11**	**Continue O& M procedures**
Duct Seam Caulking	Roof	-	Misc	406264- 7 406265- 8 406266- 9	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Black Moisture Barrier	Roof	-	Misc	406267- 10 406268- 11 406269- 12	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Caulking Flashing	Roof	-	Misc	406270- 13 406271- 14 406272- 15	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Roof Edge Cap Seam Caulking	**Roof**	**100 sq. ft.**	Misc	**406273- 16 406274- 17 406275- 18**	**4% Chrysotile**	**Friable**	**G**	**11**	**Continue O& M procedures**
Drywall/Mud/Tape	Walls & Ceilings	-	Misc	406276- 19 406277- 20 406278- 21	Drywall = ND Mud/Tape = ND	Non	G	N/A	Samples indicate materials is non-asbestos
Plaster	Walls & Ceilings	-	Surf	406279- 22 406280- 23 406281- 24	Top Coat = ND Plaster = ND	Non	G	N/A	Samples indicate materials is non-asbestos
TSI Pipe Insulation	**Generator/Mechanical Room exhaust flue**	**2,000 sq. ft.**	**TSI**	**406282- 25 406283- 26 406284- 27**	**<1% Chrysotile**	**Friable**	**G**	**9**	**Continue O& M procedures**

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Duct Vibration Dampener	Generator/Mechanical Room	-	Misc	406285- 28 406286- 29 406287- 30	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Transite Counter Top	Chiller Room	-	Misc	406288- 31 406289- 32 406290- 33	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Gray Speckled Floor Tile & Glue	Restroom, Lockers, Office	-	Misc	406291- 34 406292- 35 406293- 36	Tile = ND Glue = ND	Non	G	N/A	Samples indicate materials is non-asbestos
Tan 4òBase Cove & Glue	Restroom, Lockers, Office	-	Misc	406294- 37 406295- 38 406296- 39	Base Cove = ND Glue = ND	Non	G	N/A	Samples indicate materials is non-asbestos
2ô2ôCeiling Tile	Restroom, Lockers, Office	-	Misc	406297- 40 406298- 41 406299- 42	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Brown Duct Seam Mastic	**Attic, Ceiling Space Above Restroom & Main Office**	**200 sq. ft.**	Misc	**406300- 43 406301- 44 406302- 45**	**3% Chrysotile**	**Friable**	**G**	**11**	**Continue O& M procedures**
Pipe Wrap	Throughout	-	TSI	406303- 46 406304- 47 406305- 48	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Duct Wrap	Throughout	-	TSI	406306- 49 406307- 50 406308- 51	ND	Friable	G	N/A	Samples indicate materials is non-asbestos
Seam Caulking	Vents, Doors	-	Misc	406309- 52 406310- 53 406311- 54	ND	Non	G	N/A	Samples indicate materials is non-asbestos
Boiler Lining	Boiler	-	TSI	406312- 55 406313- 56 406314- 57	ND	Non	G	N/A	Samples indicate materials is non-asbestos
12ò12òTan Floor Tile & Glue	Control Room, 2nd Level Storage, Computer Room	-	Misc	406317- 58 406318- 59 406319- 60	ND	Non	G	N/A	Samples indicate materials is non-asbestos

SUMMARY OF SUSPECT MATERIALS TESTED									
Building Material Component	**Location Of Material**	**Estimated Quantity**	**Material Category**	**Sample Number**	**% and type of Asbestos**	**Friability**	**Condition**	**Hazard Ranking**	**Recommendations**
Tan Base Cove & Glue	2nd Level	-	Misc	406320- 61 406321- 62 406322- 63	Base Cove = ND Glue = ND	Non	G	N/A	Samples indicate materials is non-asbestos
TSI Pipe Insulation (See note 2 below)	**Tunnel Adjacent to 2nd Level, Assumed Behind Metal Pipe Lining**	**Unconfirmed Quantity***	**TSI**	**406323- 64 406324- 65 406325- 66**	**4% Amosite**	**Friable**	**G**	**9**	**Continue O& M procedures**

Note: Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials. *Quantity of the material is unconfirmed as it runs through the tunnel area which was not included in the inspection scope of work.

Note 2: According to Building 2 - VASDHS Maintenance personnel, asbestos abatement activities have been performed and completed in the Utility Tunnel which connects Building 1 to Room B251. The high pressure steam lines are reported as having been stripped and re-insulated with non-asbestos insulation. At the time of the inspection, area entrance to the tunnel displayed possible hard pack insulation behind the observed corrugated metal wrapping, this material was sampled as a suspected material and analytical sampling revealing the material to contain 4% Amosite asbestos. It is unclear how much material may be present or remaining below the metal jacket of the pipe wrap and/or extent of previous abatement activities as evidence of asbestos has been found. ENCORP recommends that the area be noted as possible containing asbestos joints and elbows likely at areas where abatement may have been difficult to complete. Care should be taken should repair or renovation activities are to take place to confirm that all asbestos has been removed from the tunnel.

2.7 MANAGEMENT PLAN RECOMMENDATION

ENCORP has provided inventory reports for assessment and inventory controls purposes. The inventory reports provide an overview of the asbestos containing building materials, homogeneous areas where the materials are found, EPA asbestos containing material category, material friability, quantity, and an assessment of the observed conditions and hazard ranking. The VASDHSôs active Asbestos Operations and Maintenance Plan has been utilized to provide scope for repairs and stabilization of all observed asbestos containing materials found within the building facilities.

Asbestos containing materials are still present within these facilities and an active Management Plan/ Asbestos Operations and Maintenance Plan should remain in place until all asbestos containing materials have been removed. Following the removal of all ACM, the AMP should remain in place as documentation of successful abatement operations. This report does not replace a full asbestos inspection for the purposes of demolition or modernization.

Additional asbestos containing materials may be present at these sites. Care should be taken when demolishing materials that will open wall cavities, sealed ceiling areas, or otherwise covered and inaccessible areas. If any additional known, assumed, or suspected asbestos-containing materials discovered during maintenance, renovation, remodeling or demolition activities, contact the VASDHS Designated Person(s) to determine the proper course of action.

ADDITIONAL COMMENTS:

According to Building 2 VASDHS Maintenance personnel, asbestos abatement activities have been performed and completed in the Utility Tunnel which connects Building 1 to Room B251. The high pressure steam lines are reported as having been stripped and re-insulated with non-asbestos insulation. At the time of the inspection, area entrance to the tunnel displayed possible hard pack insulation behind the observed corrugated metal wrapping, this material was sampled as suspected analytical sampling revealing the material to contain 4% Amosite asbestos. It is unclear how much material may be present or remaining below the metal jacket of the pipe wrap and/or extent of previous abatement activities as evidence of asbestos has been found. ENCORP recommends that the area be noted as possible containing asbestos joints and elbows likely at areas where abatement may have been difficult to complete. Care should be taken should repair or renovations activity is to take place to confirm that all asbestos has been removed from the tunnel.

SECTION III – RECOMMENDATIONS FOR ASBESTOS MANAGEMENT

III. RECOMMENDATION FOR ASBESTOS MANAGEMENT

The following procedures shall be utilized for all removal, disturbance or routine outline operations of asbestos containing materials and presumed asbestos containing materials from all impacted buildings within the VASDHS facility buildings.

3.1 CLASS I ASBESTOS REMOVAL WORK

The following procedures shall be utilized for all removal of friable and/or Class I ACM, and from non-friable ACM utilizing mechanical removal methods from all impacted buildings.

3.1.1 Contractor shall coordinate all items of work with the VASDHS Project Environmental Consultant/Certified Asbestos Consultant (as determined by VASDHS) and VASDHS Designated Person.

3.1.2 Contractor shall shut down and lock out all heating, cooling, and air conditioning system (HVAC) components that are in supply or pass through the work area. In the event that there is any impact to the HVAC system (such as an air intake), the HVAC system shall remain off during the project.

3.1.3 Contractor shall shut down and lock out electric power to all Work Areas. Contractor shall provide temporary power and lighting sources, insure safe installation of temporary power sources and equipment by compliance with all applicable electrical code requirements and Cal/OSHA requirements for temporary electrical systems. Protect each circuit with a Ground Fault Circuit Interrupter (GFCI) of proper size located in the temporary panel.

3.1.4 Install worker decontamination unit as agreed upon with Project Environmental Consultant/Certified Asbestos Consultant.

3.1.5 Post warning signs meeting the specifications of 8 CCR 1529, 8 CCR 5208, and 29 CFR 1926.1101, at any location and approaches to a location where airborne concentration of asbestos fibers may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure.

3.1.6 Asbestos Handlers shall don personnel protective equipment.

3.1.7 Pre-clean all vertical and horizontal surfaces within the work area using a HEPA-filtered vacuum and/or wet cleaning techniques, as appropriate. Contractor shall not use any methods that would raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters, and shall not disturb asbestos-containing materials during the pre-cleaning phase.

3.1.8 Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grills, grates, diffusers, skylights and any other openings between the Work Area and uncontaminated areas outside of the Work Area with two layers six-mil fire retardant polyethylene sheeting and tape.

3.1.9 Cover floors in the area, as follows (cover floors where flooring finishes, such as floor tile and/or mastic, are to be removed, during Class I activities).

3.1.9.1 Two layers of six-mil (minimum) sheeting. Additional layers of sheeting may be utilized as a drop cloth to aid in cleanup of bulk materials, and/or to ensure protection from water leaks.

3.1.9.2 Containment plastic shall be sized to minimize seams. If the floor area necessitates seams, those on successive layers of sheeting shall be staggered to reduce the potential for water to penetrate to the flooring material. A distance of at least 6 feet between seams is sufficient. Do not locate any seams at wall/floor joints.

3.1.9.3 Floor sheeting shall extend at least 12" up the side walls of the Work Area.

3.1.9.4 Sheeting shall be installed in a fashion so as to prevent slippage between successive layers of material.

3.1.10 Cover all immovable items (plumbing, etc.) and/or construct walls in the Work Area with fire retardant polyethylene sheeting and seal with duct tape. Walls that will be demolished do not necessarily need protection (check with Project Environmental Consultant/Certified Asbestos Consultant). Walls shall be decontaminated using HEPA Vacuums and wet cleaning techniques. Walls with mortar joints (e.g., tile) are considered porous. Openings through these walls, including louvers in Mechanical Rooms, must be sealed by critical barriers.

3.1.10.1 Walls shall be covered with two layers six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).

3.1.10.2 Plastic shall be sized to minimize seams. Seams shall be staggered and separated by a distance of at least six feet.

3.1.10.3 Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal against water damage and for negative pressure.

3.1.10.4 Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This will require additional support/attachment when Negative Pressure Ventilation Systems area utilized.

3.1.10.5 Where necessary for structural support, plywood sheeting and/or 2x4 lumber shall be utilized to ensure the structural integrity of the containment and critical barriers.

3.1.10.6 Fire exits shall be clearly labeled as required by Regulations.

3.1.11 Install the minimum number of 2' x 3' clear view windows that will provide visual access to ALL areas of each enclosure.

3.1.12 Install and initiate operation of negative pressure air filtration differential as required in Article 2.2 - Equipment. Negative pressure differential shall be at a minimum of -0.02" of water column at all times during asbestos removal operations.

3.1.13 Install and maintain a manometer equipped with a strip chart recorder. Manometer shall be capable of detecting at least 0.02" of water column.

3.1.14 The Contractor shall carry out all asbestos removal activities in a manner that will minimize pulverizing, breaking or creation of dust. Generally, manual removal methods will be preferred, although larger systems, such as power washers, are acceptable, as long as they are equipped with proper HEPA-filtration equipment and do not create an undue hazard.

3.1.15 Keep the ACMs being removed wet throughout removal operations by the use of an airless sprayer. In the event that visible dust is generated during the abatement process, also mist the air within containment periodically with water or an amended water solution with an airless sprayer to reduce airborne asbestos fiber concentrations.

3.1.16 Once all removal activities have been completed, clean-up of the work areas shall be conducted.

3.1.17 Encapsulate entire work area with a penetrating and/or lock-down type encapsulant following acceptance of clean-up activities.

3.1.18 Dispose of all asbestos containing/contaminated waste in accordance with all federal, state, and local regulations.

3.2 CLASS II ASBESTOS REMOVAL WORK

The following procedure shall be utilized for all removal of non-friable/Class II ACM from all impacted buildings. This type of work shall include, but not be limited to asbestos-containing mastics, vinyl flooring finishes, asbestos cement pipes and panels, and joint compound associated with wallboard systems.

3.2.1 Contractor shall coordinate all items of work with the Project Environmental Consultant/Certified Asbestos Consultant.

3.2.2 Contractor shall shut down and lock out all heating, cooling, and air conditioning system (HVAC) components that are in supply or pass through the work area. In the event that there is any impact to the HVAC system (such as an air intake), the HVAC system shall remain off during the project.

3.2.3 Contractor shall shut down and lock out electric power to all Work Areas. Contractor shall provide temporary power and lighting sources, insure safe installation of temporary power sources and equipment by compliance with all applicable electrical code requirements and Cal/OSHA requirements for temporary electrical systems. Protect each circuit with a Ground Fault Circuit Interrupter (GFCI) of proper size located in the temporary panel.

3.2.4 Install worker decontamination unit as agreed upon with Project Environmental Consultant/Certified Asbestos Consultant.

3.2.5 Post warning signs meeting the specifications of 8 CCR 1529, 8 CCR 5208, and 29 CFR 1926.1101, at any location and approaches to a location where airborne concentration of asbestos fibers may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure.

3.2.6 Asbestos Handlers shall don personnel protective equipment as required in Article 4.2 - Equipment.

3.2.7 Pre-clean all vertical and horizontal surfaces within the work area using a HEPA-filtered vacuum and/or wet cleaning techniques, as appropriate. Contractor shall not use any methods that would raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters, and shall not disturb asbestos-containing materials during the pre-cleaning phase.

3.2.8 Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grills, grates, diffusers, skylights and any other openings between the Work Area and uncontaminated areas outside of the Work Area with two layers six-mil fire retardant polyethylene sheeting and tape.

3.2.9 Cover floors in the area of vapor barrier removal with fire retardant polyethylene sheeting (do not cover floors where flooring finishes, such as floor tile and/or mastic, are to be removed).

3.2.9.1 A single layer of six-mil (minimum) sheeting. Additional layers of sheeting shall be utilized as a drop cloth to aid in cleanup of bulk materials.

3.2.9.2 Containment plastic shall be sized to minimize seams. If the floor area necessitates seams, those on successive layers of sheeting shall be staggered to reduce the potential for water to penetrate to the flooring material. A distance of at least 6 feet between seams is sufficient. Do not locate any seams at wall/floor joints.

3.2.9.3 Floor sheeting shall extend at least 12" up the side walls of the Work Area.

3.2.9.4 Sheeting shall be installed in a fashion so as to prevent slippage between successive layers of material.

3.2.10 Cover all immovable items (plumbing, etc.) and/or construct walls in the Work Area with fire retardant polyethylene sheeting. Walls that will be demolished do not necessarily need protection (check with Project Environmental Consultant/Certified Asbestos Consultant). Walls shall be decontaminated using HEPA Vacuums and wet cleaning techniques. Walls with mortar joints (e.g., tile) are considered porous. Openings through these walls must be sealed by critical barriers.

3.2.10.1 Walls shall be covered with two layers six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).

3.2.10.2 Plastic shall be sized to minimize seams. Seams shall be staggered and separated by a distance of at least six feet.

3.2.10.3 Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal against water damage and for negative pressure.

3.2.10.4 Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This will require additional support/attachment when Negative Pressure Ventilation Systems area utilized.

3.2.10.5 Fire exits shall be clearly labeled as required by Regulations.

3.2.11 Install the minimum number of 2' x 3' clear view windows that will provide visual access to ALL areas of the enclosure.

3.2.12 Install and initiate operation of negative pressure air filtration differential as required in Article 2.2 - Equipment. Negative pressure differential shall be at a minimum of -0.02" of water column at all times during asbestos removal operations.

3.2.13 Install and maintain a manometer equipped with a strip chart recorder. Manometer shall be capable of detecting at least 0.02" of water column.

3.2.14 The Contractor shall carry out all asbestos removal activities in a manner that will minimize pulverizing, breaking or creation of dust. Generally, manual removal methods will be preferred, although larger systems, such as bead-blasters for mastic removal activities, are acceptable, as long as they are equipped with proper HEPA-filtration equipment.

3.2.15 Keep the ACMs being removed wet throughout removal operations. In the event that visible dust is generated during the abatement process, also mist the air within containment periodically to reduce airborne asbestos fiber concentrations.

3.2.16 Once all removal activities have been completed, clean-up of the work areas shall be conducted.

3.2.17 Encapsulate entire work area with a penetrating and/or lock-down type encapsulant following acceptance of clean-up activities.

3.2.18 Dispose of all asbestos containing/contaminated waste; debris shall be kept wet at all times and be bagged while wet in accordance with federal, state, and local regulations.

3.3 CLASS III ASBESTOS ASSOCIATE OPERATIONS & MAINTENANCE WORK (O&M)

Asbestos-related disturbance is the drilling, coring, removal or similar disturbance of asbestos-containing construction materials (ACCM) or asbestos-containing materials (ACM) in any one opening and not to disturb 100 square feet or greater cumulatively on any one project (contract). Asbestos-related disturbance work is considered to be Class III work in accordance with Title 8, Section 1529 (Asbestos) of the California Code of Regulations. In the event that disturbance greater than 100 square feet total, the asbestos-related work shall be considered Class I or Class II asbestos abatement and require the use of an asbestos abatement contractor using 40-hour asbestos-trained workers and notification to the Air Pollution Control District San Diego, as required.

3.3.1 Minor disturbance activities must be performed, at a minimum, by personnel possessing current 16-hour asbestos operations and maintenance (O & M) training. ACM waste must be disposed of as (select one) hazardous or non-hazardous asbestos-containing waste (following waste profile). ACCM waste generated during minor disturbances can be disposed of as non-regulated construction waste.

3.3.2 Shut off air handling equipment to rooms where work will occur.

3.3.3 Demarcate the work area with plastic ñCautionò tape. Provide and post signs at the entrance to the work area affected. The signs shall comply with Cal/OSHA regulations.

3.3.4 Clean the area immediately under the location to be disturbed.

3.3.5 Move any moveable furniture or objects from immediately beneath the area to be disturbed.

3.3.6 In asbestos-contaminated spaces, create an enclosure around the area of disturbance. The plastic sheeting shall extend away from the work area a sufficient distance so that debris is confined to the plastic and that debris is not tracked onto adjoining flooring or carpeted surfaces.

3.3.7 For Class III disturbances requiring the cutting of an opening or into an asbestos-contaminated space, provide an enclosure around the area of disturbance. This may include, but is not limited to:

3.4.7.1 Mini-enclosure where not more than two persons may occupy for the purpose cutting holes in walls or ceilings.

3.4.7.2 For drilling, coring, sawing or similar disturbance, an enclosure shall be placed covering the area of disturbance of sufficient size to cover that area and contain the tools used. Drilling or coring with the use of a vacuum collection device shall be equipped with a HEPA filter.

3.3.8 A HEPA-equipped vacuum shall be used for all disturbance, decontamination, and debris clean-up work.

3.4 CLEAN-UP PROCEDURES

3.4.1 Remove and containerize all visible accumulations of asbestos-containing material, and asbestos contaminated debris utilizing rubber dust pans and rubber squeegees to move material around. Do not use metal shovels to pick up or move accumulated waste within contained work areas.

Asbestos-containing/contaminated waste shall be placed in leak tight disposal bags. Disposal bags shall be doubled six-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (I) (iv), Cal/OSHA (Title 8 CCR Sections 1529 and 5208), SCAQMD Rule 1403, and if applicable Title 22 CCR Section 66504.

All other hazardous wastes shall be containerized as appropriate and disposed of in a manner that satisfies the requirements for waste characterization and disposal in accordance with the requirements of Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

3.4.2 Wet clean all surfaces in the work area utilizing rags, mops and sponges, and clean all horizontal surfaces within each work area with a HEPA-vacuum, as appropriate.

3.4.3 Remove the cleaned layer of polyethylene sheeting from floors and walls, as applicable. Windows, doors, HVAC system vents and all other openings (critical barriers, if employed) shall remain sealed.

3.4.4 After gross cleaning of the work area, HEPA-vacuum and wet clean all objects and surfaces in the work area are completed, remove all containerized waste from the work area.

3.4.5 Decontaminate all tools and equipment and remove at the appropriate time in the cleaning sequence.

3.4.6 VASDHS Project Environmental Consultant/Certified Asbestos Consultant will inspect the work area for visible residue. If any accumulation of residue is observed, it will be assumed to be asbestos and/or lead, as appropriate to the work area, and a second settling period and cleaning cycle repeated at no additional cost to Owner.

3.4.7 Following the satisfactory completion of clearance air monitoring the remaining barriers may be removed and prepared for proper disposal. A final visual inspection by VASDHS Project Environmental Consultant/Certified Asbestos Consultant will be performed. Unsatisfactory conditions may require additional cleaning and air monitoring/wipe sampling, at no additional cost to Owner.

3.5 WORKER DECONTAMINATION SYSTEMS

3.5.1 Worker decontamination enclosure systems shall be provided at all locations where workers will enter or exit the work area. At a minimum, one stage system at a single location is required. Each work area where negative pressure enclosure is the selected method of engineering controls shall have a worker decontamination unit.

3.5.2 Worker decontamination enclosure systems constructed at the Project site shall utilize six-mil, fire-retardant polyethylene sheeting, or other approved materials for privacy.

3.5.3 Personnel Decontamination Units shall not be located inside the work area(s) unless specifically authorized by the Project Environmental Consultant/Certified Asbestos Consultant.

3.5.4 Alternate methods of providing Decontamination facilities may be submitted to the Project Environmental Consultant/Certified Asbestos Consultant for approval. Do not proceed with any such method(s) without the written authorization.

3.5.5 The worker decontamination enclosure system shall consist of at least a cleansing station in accordance with the requirements of 8 CCR 1527 and 8 CCR 1529, equipped with adequate water, towels and cleansing agents to accommodate the entire crew and visitors.

3.6 DISPOSAL DOCUMENTAITON

3.6.1 Record Keeping

Copies of all manifests and records of waste disposal should be maintained by the owner, contractor, waste hauler and landfill operator. This chain of custody procedure will assure that waste is properly tracked, and will be necessary if a question should arise concerning the ultimate deposition of waste. The landfill operator should record such information in the land deed record.

At the completion of hauling and disposal of each load, the contractor should provide a copy of the waste manifest, chain of custody form, and landfill receipt and submitted to the owner.

3.7 DISPOSAL PROCEDURES

3.7.1 All friable asbestos waste shall be disposed of as Hazardous, Friable Asbestos Waste. All non-friable asbestos waste shall be disposed of as Non-Hazardous, Non-Friable Asbestos Waste. All materials containing between 0.9% to 0.01% asbestos content shall be considered Construction Waste.

3.7.2 All asbestos-containing waste shall be placed and stored in clear, sealed, leak-tight and appropriately labeled containers, in accordance with 8 CCR 1529 and transported to an appropriate landfill for disposal.

3.7.3 All hazardous wastes (including non-hazardous asbestos wastes) must be disposed of by a certified waste hauler approved by the VASDHS.

3.7.4 Arrange for proper disposal of any generated hazardous waste stream through an approved waste disposal facility.

3.7.5 Obtain the EPA Hazardous Waste Generator Identification Number and State of California Hazardous Waste Tax Identification Number from VASDHS.

3.7.6 All hazardous waste manifests or non-hazardous material data forms shall be delivered to the Project Environmental Consultant/Certified Asbestos Consultant to provide to VASDHS. Record keeping format shall utilize a chain of custody (Manifest) form which includes the names and addresses of the Generator (Owner), Contractor, Waste Hauler, pickup site, disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form shall be signed by the Generator, Contractor, Waste Hauler and the Disposal Site Operator, as the responsibility for the material changes hands.

3.8 EARTHQUAKE EMERGENCY INSPECTION/CLEANUP

This section addresses the issues resulting from a spill, delaminated ACM, or a potential spill resulting from earthquake activity. In the event, of such an occurrence the following procedural guidelines will help alleviate potential safety and health hazards that may be associated with these types of conditions. This will help the in-house personnel deal with the matter at hand in an orderly and timely fashion. The procedures outlined should not be interpreted as the only course of action. Common sense and logical thinking should be a key process in dealing with any ACM clean ups based on the magnitude of the earthquake and its effect on the buildings' structure.

Based on the earthquake's magnitude the Facility Asbestos Coordinator and a Licensed Certified Asbestos Consultant should coordinate the appropriate response. Prior to an initial investigation, this response may result in a required building evacuation of all occupants, employees, vendors, and other visitors.

3.8.1 Equipment Needed:

HEPA Vacuum
Disposable Cloth Wipes
Respirator(s)
Amended Water and Encapsulant
Disposable Protective Clothing
Garden Sprayer
Polyethylene Asbestos Disposal Bags
Disposable Disinfectant Wipes
Labeled Asbestos Disposal Bags
Utility Knives
Duct Tape

3.8 EARTHQUAKE EMERGENCY INSPECTION/CLEANUP - Continued

3.8.2 General Precautions

3.8.2.1 The following precautions and procedures should be adhered to prior to any abatement procedures. Workers must exercise caution to avoid release of asbestos fibers into the air; if a release occurs, follow regulations for this action.

a. Conduct a visual inspection of the buildings' mechanical systems, and utility closets for damage, spills, and/or delamination of ACM. This should include public areas, tenant spaces, and other areas where employees may work. If damage, spills, or delamination is observed, the inspection should be expanded to include all spaces within the building. In this event, building security should be advised to prohibit entry of all personnel, and building management should be notified.

b. Conduct random air monitoring throughout the building to ensure that the air meets acceptable standards.

c. Move the tenants to other locations during any minor clean-up procedures. Do not allow the transport of ACM to this clean location by the tenant.

d. Shut down any air handling equipment, bringing air into or out of the work area.

e. Clean any existing dust or debris from the floor and walls, and other surfaces, in the immediate location of the work, prior to commencing work by damp mopping or by use of a HEPA vacuum.

f. Certain clean-up activities may require special handling and/or notification to APCDSD. The proper course of action regarding notification shall be determined by the magnitude of the disturbance and recommendations from the attending certified asbestos consultant.

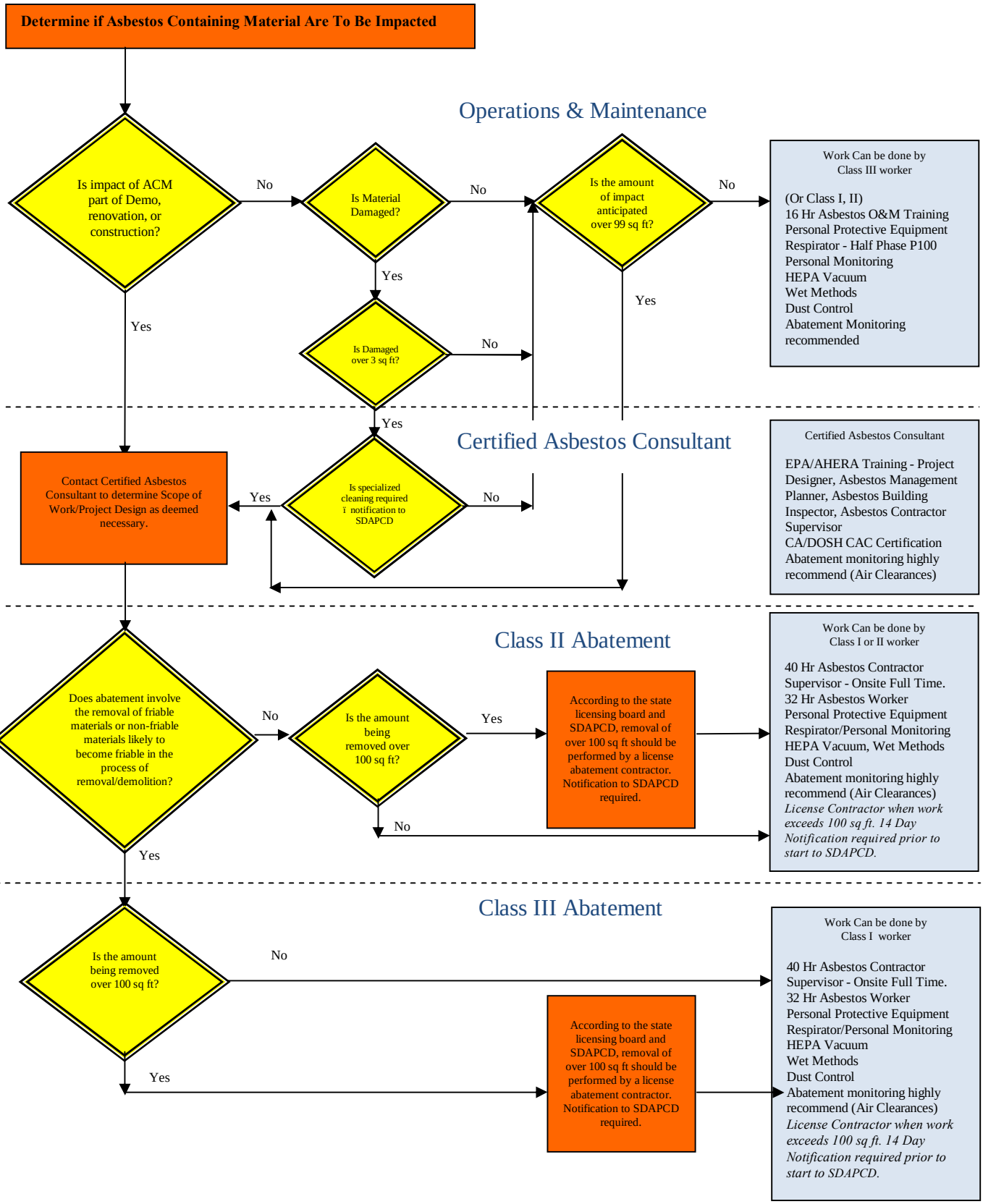
3.9 REESTABLISHMENT OF THE WORK AREAS

3.9.1 Reestablishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented to the satisfaction of VASDHS.

3.9.2 Contractor and VASDHS Project Environmental Consultant/Certified Asbestos Consultant shall visually inspect the work area for any remaining visible residue. Evidence of contamination will necessitate additional cleaning and air monitoring requirements at no additional cost to Owner, until approved by Project Environmental Consultant/Certified Asbestos Consultant.

3.9.3 Upon approval by Project Environmental Consultant/Certified Asbestos Consultant, the Contractor shall remove remaining fire retardant polyethylene sheeting, critical barriers, and decontamination unit.

3.10 ASBESTOS WORK CLASSIFICATION FLOW CHART



3.11 PROHIBITED PRACTICES

The following work practices shall not be used for any work that disturbs asbestos containing materials, regardless of measured levels of asbestos exposure or the results of initial exposure assessments:

- High-speed abrasive disc saws that are not equipped with point of cut ventilator or enclosures with HEPA filtered exhaust air;
- Compressed air used to remove asbestos, or materials containing asbestos;
- Dry sweeping, shoveling or other dry clean-up of dust and debris containing ACM and PACM;
- Employee rotation as a means of reducing employee exposure to asbestos.

3.12 GENERAL DISCUSSION AND RECOMMENDATIONS

TRACE AMOUNTS OF ASBESTOS (<1%)

Materials that are found to contain less than one (1) percent asbestos are considered asbestos containing construction materials (ACCM) by CAL/OSHA. These materials are regulated through CAL/OSHA and should be removed by a California trained and licensed abatement contractor in accordance with all governing regulations. Waste generated from these materials is considered construction debris and is not regulated as hazardous or asbestos containing waste.

OPERATIONS & MAINTENANCE ACTIVITIES INVOLVING ASBESTOS CONTAINING MATERIALS

Minor disturbance to ACCM such as coring or drilling can be performed by a certified trained contractor with a minimum of 16-hour AHERA Operations and Maintenance Training ï Class III asbestos work classification. This work classification is used as an adequate alternative for trade work involving electrical, lighting, plumbing, and miscellaneous disturbances were work is not to exceed three (3) square feet (sq ft) per area and a one hundred (100) square feet (sq ft) total combined square footage. All activities involving work above T-Bar ceilings, including removal and or changing of panels, where ACM fireproofing is found should be performed by 16-hour AHERA Operations and Maintenance Trained individuals under proper PPE. Until exposure assessments are determined all asbestos disturbance work is assumed to be above the OSHA Permissible Exposure Limits.

Due to the known dangers and health effects caused by exposure to airborne asbestos fibers, there exist both federal and state regulations and recommendations which must be followed during the asbestos removal process. The pre-qualified contractor must go to great efforts to: totally isolate the work area, provide proper personnel protection, completely clean the area, and properly dispose of all contaminated waste.

No official consensus has been reached as to the most appropriate method for prioritizing asbestos hazards. Asbestos risk management remains a subjective matter.

The method employed by the Certified Management Planner to prioritize potential asbestos hazards was derived from currently available resources and the experience of the Management Planning staff of ENCORP Environmental Services.

ENCORP recommends that asbestos containing materials (ACMs) which will be impacted by renovation/demolition activities, be removed by a California trained and licensed abatement contractor in accordance with all governing regulations. ENCORP also recommends that a California Certified Asbestos Consultant/Site Surveillance Technician oversee the project to ensure that proper methods are being utilized.

Additional asbestos-containing materials may be present at this site. Care should be taken when demolishing materials that will open wall cavities or sealed ceiling areas. If any additional known, assumed, or suspected asbestos-containing materials or lead-based painted components are discovered during renovation, remodeling or demolition activities, contact an environmental consultant to determine the proper course of action.

Should you have any questions concerning this report, please contact me at (714) 523-9811. Thank you.

Respectfully submitted,

William F. Bohning, CIE, CMR, CAIH
Sr. Vice President, ENCORP
Certified Asbestos Consultant No. 11-4816
CA DPH Inspector/Assessor No. 2935

Reviewed by:

Alexander Blankevoort
Vice President of Operations, ENCORP
Certified Asbestos Consultant No. 04-3555
CA DPH Inspector/Assessor No. 11092

3.13 LIMITATIONS

Conditions described in this report are as found at the time of investigation, unless otherwise stated. ENCORP analyzed only the substances, conditions, and locations described in this report at the time indicated. No inferences regarding these substances, conditions, location or time can be made unless specifically stated in this report. ENCORPôs inspection was limited to accessible materials only for the purpose of this survey.

This report is intended for the use listed in the section of this report titled ñINTRODUCTION.ò The use of this report in any manner other than that listed in the Introduction requires the written consent of ENCORP and the VASDHS. This report must be presented in its entirety.

The conclusions and recommendations presented are based on the agreed upon scope of work outlined in this report. ENCORP makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. Note that information exists beyond the scope of this investigation. Additional information, which was outside this scope of work, not found, or available to ENCORP at the time of writing this report, may result in a modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by ENCORP have been conducted in a manner consistent with a level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

SECTION IV – LEAD INSPECTION

IV. LEAD INSPECTION

4.1 INTRODUCTION

Lead-Based Paint (LBP) is a term used by Housing and Urban Development (HUD) and the EPA's Toxic Substances Control Act (TSCA) program. It defines paint with lead levels equal to or exceeding 1.0 milligram per square centimeter (1mg/cm2), 0.5 percent by weight (% Lead w/w) or 5,000 ppm. The HUD and EPA have set a lead level of 1.0 mg/cm2 as being a regulated lead-containing material.

The SCITEC MAP4 XRF Spectrum Analyzer was utilized for the analysis of suspect lead-based painted materials. In this method of analysis, the material is exposed to X-Rays or other high-energy radiation (such as gamma rays), which causes lead to emit X-Rays with a characteristic frequency. The intensity of this radiation is measured by the instrumentôs detector and is then converted into a number that represents the amount of lead in the material per unit area, usually milligrams per square centimeter (mg/cm2).

VASDHS retained ENCORP to conduct an Exterior Lead-Based Painted materials inspection of the exteriors of the Various Building Structures Located within the Veterans Administration San Diego Healthcare System, San Diego, California. The purpose of this inspection was to identify Lead-Based Paint Materials (LBPMôs) of the above mentioned facility.

ENCORPôs CDPH Certified personnel completed the site inspections. Inspections were performed by Mr. Alexander Blankevoort CDPH#1109 and Mr. Francisco Barraza CDPH#22362. Prior to sample collection, ENCORPôs representatives conducted a visual investigation of the properties to identify suspect lead painted building materials. Upon completion of the visual investigation lead testing of suspect LBPM's was conducted using X-ray Fluorescence and Paint Chip sampling as necessary to identify materials as LBPM.

This report presents the results of ENCORPôs lead-based pant inspection of the various locations within the Veterans Administration San Diego Healthcare System facility. The inspection was performed in accordance with the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Housing and Urban Development (HUD) guidelines for Lead-based paint inspections. This document is prepared for the sole use of VASDHS. No other party should rely on the information contained herein without prior written consent.

4.2 SAMPLING METHODOLOGY

According to the United States Department of Housing and Urban Development's (HUD) Guideline Document, Guidelines For The Evaluation and Control of Lead Based Paint Hazards in Housing; and Section 1017 of the Residential Lead Based Paint Hazard Reduction Act (Title X), paint which is found to have a concentration of at least 1.0 mg/cm^2 (milligrams per centimeters squared) by X-ray Fluorescence (XRF) or 0.5 percent (5000 parts per million) by weight is considered to be regulated as lead based paint.

Lead-Based Painted Components (LBPCôs) were widely used in the construction industry prior to 1978. In addition to finding the materials on accessible facility components and/or mechanical items, there are frequently shafts and/or other void spaces created by the structure itself, which will contain lead-based paint.

All facilities built prior to 1978 are suspect for lead containing materials. Paint bulk sample collection, sampling via X-ray Fluorescence (XRF) Spectrum Analyzer or a combination of both, are the only approved methods of identification recognized by federal and state regulations. This inspection was conducted via XRF Instrumentation. The parameters used to interpret the XRF results are outlined in the HUD Guidelines.

The SCITEC MAP4 XRF Spectrum Analyzer was utilized for the analysis of suspect lead-based painted materials. In this method of analysis, the material is exposed to X-Rays or other high-energy radiation (such as gamma rays), which causes lead to emit X-Rays with a characteristic frequency. The intensity of this radiation is measured by the instrumentôs detector and is then converted into a number that represents the amount of lead in the material per unit area, usually milligrams per square centimeter (mg/cm2).

4.3 INSPECTION RESULTS

The HUD and EPA have set a lead level of 1.0 mg/cm^2 for XRF analysis or 0.5 percent (5000 parts per million) by weight for paint chips as a regulated lead-containing material. Analytical sensitivity of the of the XRF measurement methodology reports positive lead-based content results at or above 1.0 mg/cm^2, presence of lead content result between 0.1 and 0.9 mg/cm^2, and non-lead content results at less than 0.1 mg/cm^2. CAL/OSHA considers all lead surface levels to be of concerns. All XRF readings below the regulatory definition are considered negative and all readings at and above this level are considered positive.

The following is a listing of the facility structures inspected:

Building 1:	Basement, 1st floor, 2nd floor, 3rd floor, 4th floor 5th floor, 6th floor, 7 Penthouse, 8th floor Interstitial floors basement-6th floor, and roofs
Building 2:	1st floor, 2nd Floor, and roof

The Results that follow are a summary of the materials sampled and found positive for lead-based paint content along with the location and material description. These materials may require paint surface stabilization/removal prior to repainting activities.
Listed below is a summary of the materials sampled for lead-based at these buildings. Samples found to be ≥1.0 mg/cm^2 are **"bold"** face and shaded blue, along with their location and estimated quantity.

Building 1: Basement Floor

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Concrete Wall	Basement Interior	-	G	112	0.27
White Metal Water Line Sprinkler	Basement Interior	-	G	113	0.64
Yellow Concrete Striping	Basement Interior	-	G	114	0.95
Tan Wood Door	Basement Interior	-	G	115	0.37
Tan Metal Frame	Basement Interior	-	G	116	0.48
White Metal Window Frame	Basement Interior	-	G	117	0.43
White Metal Double Doors	Basement Interior	-	G	118	0.21
White Metal Doorframe	Basement Interior	-	G	119	0.71
White Metal Beam	Basement Interior	-	G	120	0.47
Blue Concrete Wall	Basement Interior	-	G	121	0.15
White Drywall Wall	Basement Interior	-	G	122	0.04
White Fiberglass Ceiling Tiles	Basement Interior	-	G	123	0.11
Blue Drywall Wall	Basement Interior	-	G	124	-0.18

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Blue Metal Column	Basement Interior	-	G	125	0.37
Yellow Blue Metal Hand Rail	**Basement Interior – A?C Shop B190**	**30 ln ft**	**G**	**126**	**1.14**
White Metal Beam	Basement Interior	-	G	127	0.62
White Metal Hand Rail	Basement Interior	-	G	128	0.40
White Metal Ducts	Basement Interior	-	G	129	0.15
Tan Metal Sprinklers	**Basement Interior - Throughout**	**2,000 ln ft**	**G**	**130 131**	**1.46 1.31**
Tan Plaster Wall	Basement Interior	-	G	132	-1.70
Tan Drywall Wall	Basement Interior	-	G	133	0.08
Tan Drywall Wall	Basement Interior	-	G	134	0.20
Tan Concrete Wall	Basement Interior	-	G	135	0.46
Tan Metal Doorframe	Basement Interior	-	G	137	0.44
Tan Metal Door	Basement Interior	-	G	138	0.37
Blue Drywall Wall	Basement Interior	-	G	139	0.22
White Metal Door	Basement Interior	-	G	140	0.59
White Metal Doorframe	Basement Interior	-	G	141	0.64
White Concrete Wall	Basement Interior	-	G	142	-2.46
Tan Drywall Wall	Basement Interior	-	G	143	0.28
White Porcelain Sink	Basement Interior	-	G	144	0.18
White Porcelain Urinal	Basement Interior	-	G	145	-0.55
White Porcelain Toilet	Basement Interior	-	G	146	-0.18
Tan Metal Partitions	Basement Interior	-	G	147	0.48
Tan Ceramic Basecove	**Basement Interior**	**200 sq ft**	**G**	**148**	**9.90**
Tan Plaster Wall	Basement Interior	-	G	149	-1.06
Tan 1òx1ò Floor Tile	Basement Interior	-	G	150	0.35
Yellow Concrete Striping	Warehouse Area Interior	-	G	151	6.03

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Black Drywall Wall	Warehouse Area Interior	-	G	152	0.24
Tan Drywall Wall	Warehouse Area Interior	-	G	153	0.24
Yellow Metal Column	**Warehouse Area Interior**	**8 each**	**G**	**154**	**16.29**
Tan Fiberglass Wall Paneling	Warehouse Area Interior	-	G	**155**	0.01
Tan Metal Door	Warehouse Area Interior	-	G	156	0.21
Tan Metal Doorframe	Warehouse Area Interior	-	G	157	0.44
Tan Wood Wall Paneling	Warehouse Area Interior	-	G	158	-0.14
Yellow Metal Columns	Warehouse Area Interior	-	G	159	0.63
White Fiberglass Fissured Ceiling Tiles	Warehouse Area Interior	-	G	160	-0.36
Tan Drywall Ceiling	Warehouse Area Interior	-	G	161	0.17
White Metal Fire Extinguisher	Warehouse Area Interior	-	G	162	0.30
Tan Metal Door	Warehouse Area Interior	-	G	163	-0.04
Tan Metal Doorframe	Warehouse Area Interior	-	G	164	0.42
Green Drywall Wall	Warehouse Area Interior	-	G	165	-0.07
Tan Drywall Wall	Warehouse Area Interior	-	G	166	-0.29
Green Drywall Wall	Warehouse Area Interior	-	G	167	0.08
Tan Metal Window Frame	Warehouse Area Interior	-	G	168	0.74
Tan Plaster Column	Warehouse Area Interior	-	G	169	-0.99
Blue Ceramic Wall Tile	Warehouse Area Interior	-	G	170	-0.12
Tan Concrete Wall	Warehouse Area Interior	-	G	171	0.31
White Concrete Wall	Warehouse Area Exterior	-	G	172	0.73
Black Metal Drain Pipe	Warehouse Area Exterior	-	G	173	-0.03
White Wood Wall Panel	Warehouse Area Exterior	-	G	174	-0.27
Black Metal Ladder	Warehouse Area Exterior	-	G	175	0.34
Grey Ceramic Wall Tile	Warehouse Area Exterior	-	G	176	0.66

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Metal EAD Box	Warehouse Area Exterior	-	G	177	0.57
White Ceramic Wall Tile	**Kitchen Are Interior, prep areas**	**9,000 sq ft**	**G**	**178 179**	**11.01 10.65**
Red Ceramic Floor Tile	Warehouse Area Exterior	-	G	180	-2.57
Tan Drywall Wall	Warehouse Area Exterior	-	G	181	0.16
Brown Drywall Wall	Warehouse Area Exterior	-	G	182	0.05
Blue Concrete Floor	Warehouse Area Exterior	-	G	183	0.02
Silver Metal Roll Up Door	Basement Exterior North	-	G	45	0.07
Black Metal Frame	Basement Exterior North	-	G	46	0.29
Tan Concrete Column	Basement Exterior North	-	G	47	0.04
Gray Metal Electric Box	Basement Exterior North	-	G	48	0.10
Yellow Metal Bumper Guards	**Basement Exterior North**	**34 each 3LF**	**G**	**49**	**2.05**
Black Metal Door	Basement Exterior North	-	G	50	0.11
Black Metal Frame	Basement Exterior North	-	G	51	0.15
Tan Metal Door	Basement Exterior North	-	G	52	0.07
Tan Metal Frame	Basement Exterior North	-	G	53	0.19
Yellow Metal Pipe	Basement Exterior North	-	G	54	0.32
Red Metal Pipe	Basement Exterior North	-	G	55	0.41
Black Metal Light	Basement Exterior North	-	G	56	0.27
White Metal Column	Basement Exterior North	-	G	57	0.30
White Metal Beam	Basement Exterior North	-	G	58	0.21
Blue Metal Vacuum	Basement Exterior East	-	G	59	-0.07
Black Metal Roll Up Door	Basement Exterior North	-	G	60	0.52
Black Metal Roll Up Frame	Basement Exterior North	-	G	61	0.34
Brown Metal Light	Basement Exterior North	-	G	62	0.07

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Gray Metal Electric Box	Basement Exterior North	-	G	63	0.15
Gray Metal Electric Box	Basement Exterior East	-	G	64	0.02
Gray Metal Conduit	Basement Exterior East	-	G	65	0.01

Note: The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of lead containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

Building 1: 1St Floor

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Wood Wall	1st Floor Area 1 Room 1396 North	-	G	4	0.02
Green Wood Wall	1st Floor Area 1 Room 1396 East	-	G	5	-0.04
Green Drywall Wall	1st Floor Area 1 Room 1396 South	-	G	6	-0.01
Tan Drywall Wall	1st Floor Area 1 Room 1396 West	-	G	7	0.01
Tan Metal Door	1st Floor Area 1 Room 1396 South	-	G	8	0.02
Tan Metal Doorframe	1st Floor Area 1 Room 1396 South	-	G	9	0.01
White Metal T-Grid	1st Floor Area 1 Room 1396 North	-	G	10	0.02
White Metal Vent	1st Floor Area 1 Room 1396 East	-	G	11	0.10
White Metal Light	1st Floor Area 1 Room 1396 South	-	G	12	0.01
White Metal Grill	1st Floor Area 1 Room 1396 West	-	G	13	0.08
Brown Wood Wall	1st Floor Area 1 Room 1396 North	-	G	14	-0.12
Green Wood Wall	1st Floor Area 1 Room 1396 North	-	G	15	-0.07
White Metal Firebox	1st Floor Area 1 Room 1396 South	-	G	16	0.02
White Ceramic Wall	1st Floor Area 1 Room 1396 North		G	17	0.04
Blue Ceramic Wall	1st Floor Area 1 Room 1396 North	-	G	18	0.01
Gray Ceramic Floor	1st Floor Area 1 Room 1396 North	-	G	19	-0.02
White Wood Cabinet	1st Floor Area 1 Room 1396 West	-	G	20	0.04
White Wood Door	1st Floor Area 1 Room 1396 North	-	G	21	0.10
White Wood Doorframe	1st Floor Area 1 Room 1396 North	-	G	22	0.12
Gray Ceramic Countertop	1st Floor Area 1 Room 1396 North	-	G	23	0.02
Brown Ceramic Wall	1st Floor Area 1 Room 1391 North	-	G	24	0.06
Tan Ceramic Wall	1st Floor Area 1 Room 1391 North	-	G	25	0.01
Tan Ceramic Floor	1st Floor Area 1 Room 1391 North	-	G	26	0.02
White Porcelain Sink	1st Floor Area 1 Room 1391 West	-	G	27	-0.01

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Porcelain Toilet	1st Floor Area 1 Room 1391 West	-	G	28	-0.02
White Porcelain Urinal	1st Floor Area 1 Room 1391 East	-	G	29	-0.10
White Drywall Ceiling	1st Floor Area 1 Room 1391 South	-	G	30	0.04
White Drywall Wall	1st Floor Area 1 Room 1414 North	-	G	31	-0.04
White Drywall Wall	1st Floor Area 1 Room 1414 West	-	G	32	-0.02
Brown Wood Trim	1st Floor Area 1 Room 1414 North	-	G	33	0.01
White Drywall Ceiling	1st Floor Area 1 Room 1414 North	-	G	34	0.02
Brown Wood Trim	1st Floor Area 1 Room 1414 North	-	G	35	-0.04
Brown Wood Bench	1st Floor Area 1 Room 1414 North	-	G	36	-0.12
Brown Wood Light	1st Floor Area 1 Room 1414 North	-	G	37	0.07
Black Metal Door	1st Floor Area 1 Room 1414 East	-	G	38	0.02
Black Metal Doorframe	1st Floor Area 1 Room 1414 East	-	G	39	0.04
Brown Wood Window Frame	1st Floor Area 1 Room 1414 West	-	G	40	-0.02
Gray Wood Wall	1st Floor Area 1 Room 1355 North	-	G	41	0.01
Gray Wood Wall	1st Floor Area 1 Room 1355 East	-	G	42	0.02
Brown Wood Floor	1st Floor Area 1 Room 1355 West	-	G	43	-0.04
White Drywall Ceiling	1st Floor Area 1 Room 1355 North	-	G	44	0.02
Gray Wood Cabinet	1st Floor Area 1 Room 1355 West	-	G	45	-0.02
Gray Wood Countertop	1st Floor Area 1 Room 1355 East	-	G	46	-0.01
White Metal Light	1st Floor Area 1 Room 1355 North	-	G	47	0.04
White Metal Vent	1st Floor Area 1 Room 1355 South	-	G	48	0.07
White Metal Grill	1st Floor Area 1 Room 1355 West	-	G	49	0.10
White Metal Door	1st Floor Area 1 Room 1355 South	-	G	50	0.07
White Metal Doorframe	1st Floor Area 1 Room 1355 South	-	G	51	0.12
Green Drywall Wall	1st Floor Area 1 Room 1377 North	-	G	52	-0.08

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Tan Drywall Wall	1st Floor Area 1 Room 1377 East	-	G	53	-0.12
Brown Wood Floor	1st Floor Area 1 Room 1377 West	-	G	54	0.02
Brown Wood Wall	1st Floor Area 1 Room 1377 West	-	G	55	0.01
Brown Wood Cabinet	1st Floor Area 1 Room 1377 West	-	G	56	-0.01
Brown Wood Countertop	1st Floor Area 1 Room 1377 West	-	G	57	-0.02
Brown Wood Trim	1st Floor Area 1 Room 1377 East	-	G	58	-0.12
White Metal Light	1st Floor Area 1 Room 1377 South	-	G	59	0.07
White Metal Vent	1st Floor Area 1 Room 1377 North	-	G	60	0.11
White Drywall Wall	1st Floor Area 2 North	-	G	61	0.01
White Drywall Wall	1st Floor Area 2 West	-	G	62	0.02
Tan Ceramic Wall	1st Floor Area 2 South	-	G	63	0.04
Tan Ceramic Wall	1st Floor Area 2 East	-	G	64	-0.02
Gray Ceramic Basecove	1st Floor Area 2 West	-	G	65	0.01
Gray Ceramic Floor	1st Floor Area 2 North	-	G	66	0.02
White Metal Light	1st Floor Area 2 East	-	G	67	0.04
White Drywall Column	1st Floor Area 2 West	-	G	68	-0.02
Brown Wood Wall	1st Floor Area 2 North	-	G	69	-0.11
Tan Metal Door	1st Floor Area 2 East	-	G	70	0.04
Tan Metal Doorframe	1st Floor Area 2 East	-	G	71	0.08
Green Drywall Wall	1st Floor Area 3 Room 1403 North	-	G	72	-0.02
Brown Drywall Wall	1st Floor Area 3 Room 1403 South	-	G	73	0.01
Tan Metal Door	1st Floor Area 3 Room 1403 North	-	G	74	0.02
Tan Metal Doorframe	1st Floor Area 3 Room 1403 North	-	G	75	0.07
Tan Metal Door	1st Floor Area 3 Room 1497 North	-	G	76	0.02
Tan Metal Doorframe	1st Floor Area 3 Room 1497 North	-	G	77	0.08

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Drywall Wall	1st Floor Area 3 Room 1497 North	-	G	78	-0.02
White Drywall Wall	1st Floor Area 3 Room 1497 East	-	G	79	0.01
Black Metal Window Frame	1st Floor Area 3 Room 1497 West	-	G	80	0.10
White Metal Light	1st Floor Area 3 Room 1497 South	-	G	81	0.04
White Metal Vent	1st Floor Area 3 Room 1497 East	-	G	82	0.05
White Metal Grill	1st Floor Area 3 Room 1497 North	-	G	83	0.02
White Ceramic Wall	1st Floor Area 3 Room 1009 North	-	G	84	-0.02
Gray Ceramic Wall	1st Floor Area 3 Room 1009 North	-	G	85	0.02
Red Ceramic Wall	1st Floor Area 3 Room 1009 North	-	G	86	0.01
Gray Ceramic Floor	1st Floor Area 3 Room 1009 North	-	G	87	0.04
White Porcelain Sink	1st Floor Area 3 Room 1009 West	-	G	88	0.02
White Porcelain Toilet	1st Floor Area 3 Room 1009 East	-	G	89	-0.02
White Porcelain Urinal	1st Floor Area 3 Room 1009 East	-	G	90	0.01
White Drywall Wall	1st Floor Area 3 Room 1035 North	-	G	91	-0.02
White Drywall Wall	1st Floor Area 3 Room 1035 East	-	G	92	0.04
White Ceramic Wall	1st Floor Area 3 Room 1035 West	-	G	93	0.52
White Wood Door	1st Floor Area 3 Room 1035 South	-	G	94	0.02
White Metal Doorframe	1st Floor Area 3 Room 1035 South	-	G	95	0.04
White Wood Window Frame	1st Floor Area 3 Room 1035 West	-	G	96	0.07
White Metal Light	1st Floor Area 3 Room 1035 East	-	G	97	-0.01
White Metal Vent	1st Floor Area 3 Room 1035 West	-	G	98	-0.04
White Metal Grill	1st Floor Area 3 Room 1035 South	-	G	99	0.02
White Ceramic Floor	1st Floor Area 3 Corridor South	-	G	100	0.01
Blue Ceramic Floor	1st Floor Area 3 Corridor South	-	G	101	-0.02
Gray Ceramic Floor	1st Floor Area 3 Corridor South	-	G	102	0.02

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Tan Drywall Wall	1st Floor Area 3 Room 1525 North	-	G	103	0.01
Tan Drywall Wall	1st Floor Area 3 Room 1525 West	-	G	104	0.04
Tan Wood Door	1st Floor Area 3 Room 1525 East	-	G	105	-0.01
Tan Metal Frame	1st Floor Area 3 Room 1525 East	-	G	106	0.07
White Drywall Ceiling	1st Floor Area 3 Room 1525 North	-	G	107	0.02
Green Drywall Wall	1st Floor Area 3 Room 1510 North	-	G	108	-0.08
Green Drywall Wall	1st Floor Area 3 Room 1510 West	-	G	109	-0.10
Brown Wood Floor	1st Floor Area 3 Room 1510 North	-	G	110	0.01
White Wood Door	1st Floor Area 3 Room 1510 South	-	G	111	-0.02
White Metal Doorframe	1st Floor Area 3 Room 1510 South	-	G	112	0.07
Brown Wood Cabinet	1st Floor Area 3 Room 1510 North	-	G	113	-0.09
Brown Wood Countertop	1st Floor Area 3 Room 1510 North	-	G	114	-0.11
Tan Drywall Wall	1st Floor Area 3 Room 1589 North	-	G	115	0.01
Tan Drywall Wall	1st Floor Area 3 Room 1589 East	-	G	116	0.04
Brown Wood Floor	1st Floor Area 3 Room 1589 South	-	G	117	0.02
Tan Wood Door	1st Floor Area 3 Room 1589 West	-	G	118	0.07
Tan Metal Doorframe	1st Floor Area 3 Room 1589 West	-	G	119	0.10
Black Metal Window Frame	1st Floor Area 3 Room 1589 South	-	G	120	0.12
Green Drywall Wall	1st Floor Area 4 Room 1493 North	-	G	121	0.01
Green Drywall Wall	1st Floor Area 4 Room 1493 West	-	G	122	-0.01
Silver Metal Door	1st Floor Area 4 Room 1493 West	-	G	123	0.03
Silver Metal Doorframe	1st Floor Area 4 Room 1493 West	-	G	124	0.07
White Metal Light	1st Floor Area 4 Room 1493 North	-	G	125	0.02
White Metal Vent	1st Floor Area 4 Room 1493 East	-	G	126	0.08
White Metal Grill	1st Floor Area 4 Room 1493 West	-	G	127	0.10

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Brown Wood Cabinet	1st Floor Area 4 Room 1493 East	-	G	128	-0.12
Brown Wood Countertop	1st Floor Area 4 Room 1493 East	-	G	129	-0.08
Blue Drywall Wall	1st Floor Area 4 Room 1449 North	-	G	130	0.01
Blue Drywall Wall	1st Floor Area 4 Room 1449 South	-	G	131	0.02
Black Wood Cabinet	1st Floor Area 4 Room 1449 South	-	G	132	-0.02
Black Wood Countertop	1st Floor Area 4 Room 1449 South	-	G	133	-0.01
Tan Wood Door	1st Floor Area 4 Room 1449 South	-	G	134	0.07
Tan Metal Doorframe	1st Floor Area 4 Room 1449 South	-	G	135	0.10
Red Drywall Wall	1st Floor Area 4 Room 1449 East	-	G	136	0.08
White Drywall Wall	1st Floor Area 4 Room 1459 North	-	G	137	0.01
White Drywall Wall	1st Floor Area 4 Room 1459 East	-	G	138	0.02
Tan Wood Door	1st Floor Area 4 Room 1459 South	-	G	139	0.04
Tan Metal Doorframe	1st Floor Area 4 Room 1459 South	-	G	140	0.08
White Metal Light	1st Floor Area 4 Room 1459 North	-	G	141	0.01
White Metal Vent	1st Floor Area 4 Room 1459 East	-	G	142	0.03
White Metal Grill	1st Floor Area 4 Room 1459 West	-	G	143	0.07
White Drywall Wall	1st Floor Area 4 Room 1456 North	-	G	144	-0.01
White Drywall Wall	1st Floor Area 4 Room 1456 South	-	G	145	-0.02
Tan Wood Door	1st Floor Area 4 Room 1456 South	-	G	146	0.04
Tan Metal Doorframe	1st Floor Area 4 Room 1456 South	-	G	147	0.08
White Porcelain Sink	1st Floor Area 4 Room 1456 South	-	G	148	0.27
Gray Wood Cabinet	1st Floor Area 4 Room 1456 West	-	G	149	-0.07
Gray Wood Countertop	1st Floor Area 4 Room 1456 West	-	G	150	-0.01
White Drywall Wall	1st Floor Area 5 Room 1152 North	-	G	151	0.02
White Drywall Wall	1st Floor Area 5 Room 1152 East	-	G	152	0.01

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Brown Wood Trim	1st Floor Area 5 Room 1152 East	-	G	153	-0.02
Tan Wood Door	1st Floor Area 5 Room 1152 North	-	G	154	0.02
Tan Metal Doorframe	1st Floor Area 5 Room 1152 North	-	G	155	0.08
White Drywall Wall	1st Floor Area 5 Room 1279 North	-	G	156	-0.01
White Drywall Wall	1st Floor Area 5 Room 1279 West	-	G	157	-0.02
White Metal Light	1st Floor Area 5 Room 1279 East	-	G	158	0.07
White Metal Vent	1st Floor Area 5 Room 1279 South	-	G	159	0.02
Brown Ceramic Wall	1st Floor Area 5 Room 1277 North	-	G	160	-0.01
Tan Ceramic Wall	1st Floor Area 5 Room 1277 North	-	G	161	0.02
White Drywall Wall	1st Floor Area 5 Room 1277 North	-	G	162	0.03
White Drywall Ceiling	1st Floor Area 5 Room 1277 North	-	G	163	0.01
Tan Ceramic Floor	1st Floor Area 5 Room 1277 North	-	G	164	0.07
White Porcelain Sink	1st Floor Area 5 Room 1277 West	-	G	165	0.01
White Porcelain Toilet	1st Floor Area 5 Room 1277 West	-	G	166	0.02
White Porcelain Urinal	1st Floor Area 5 Room 1277 West	-	G	167	-0.02
Pink Wood Countertop	1st Floor Area 5 Room 1277 West	-	G	168	-0.27
Tan Drywall Wall	1st Floor Area 5 Room 1250 North	-	G	169	0.01
Tan Drywall Ceiling	1st Floor Area 5 Room 1250 North	-	G	170	0.10
White Porcelain Sink	1st Floor Area 5 Room 1250 East	-	G	171	0.02
White Porcelain Toilet	1st Floor Area 5 Room 1250 East	-	G	172	0.04
White Drywall Wall	1st Floor Area 5 Room 1160 North	-	G	173	0.01
White Wood Cabinet	1st Floor Area 5 Room 1160 East	-	G	174	-0.02
White Wood Countertop	1st Floor Area 5 Room 1160 East	-	G	175	-0.04
Tan Wood Door	1st Floor Area 5 Room 1160 West	-	G	176	0.08
Tan Metal Doorframe	1st Floor Area 5 Room 1160 West	-	G	177	0.10

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Metal Vent	1st Floor Area 5 Room 1160 East	-	G	178	0.11
Tan Drywall Wall	**1st Floor Area 5 Room 1309 North**	**20,000 sq ft**	**G**	**31**	**4.01**
Tan Drywall Wall	**1st Floor Area 5 Room 1294 North**	**20,000 sq ft**	**G**	**32**	**4.25**
Tan Drywall Wall	**1st Floor Area 5 Room 1301 North**	**20,000 sq ft**	**G**	**33**	**2.20**
Tan Drywall Wall	**1st Floor Area 5 Room 1806 North**	**20,000 sq ft**	**G**	**34**	**4.12**
Tan Drywall Wall	**1st Floor Area 5 Room 1324 North**	**20,000 sq ft**	**G**	**35**	**4.08**
Tan Drywall Wall	**1st Floor Area 5 Room 1841 North**	**20,000 sq ft**	**G**	**36**	**3.75**
Tan Metal Door	**1st Floor Area 5 Room 1309 West**	**6 each**	**G**	**37**	**18.04**
Tan Metal Doorframe	1st Floor Area 5 Room 1309 West	-	G	38	0.47
White Porcelain Sink	1st Floor Area 5 Room 1309 North	-	G	39	0.07
White Porcelain Toilet	1st Floor Area 5 Room 1309 North	-	G	40	0.02
White Metal Light	1st Floor Area 5 Room 1309 East	-	G	41	0.08
White Metal Vent	1st Floor Area 5 Room 1309 West	-	G	42	0.10
White Metal Grill	1st Floor Area 5 Room 1309 South	-	G	43	0.04
Tan Wood Window Frame	1st Floor Area 5 Room 1309 East	-	G	44	0.09
White Metal Speaker	1st Floor Area 5 Room 1309 South	-	G	45	0.02
White Wood Cabinet	1st Floor Area 5 Room 1309 North	-	G	46	-0.04
Tan Drywall Corridor	**1st Floor Area 5 Corridor East**	**3,000 sq ft**	**G**	**47**	**4.07**
Tan Drywall Corridor	**1st Floor Area 5 Corridor West**	**3,000 sq ft**	**G**	**48**	**4.52**
Tan Drywall Corridor	**1st Floor Area 5 Corridor North**	**3,000 sq ft**	**G**	**49**	**3.12**
Tan Drywall Corridor	**1st Floor Area 5 Corridor South**	**3,000 sq ft**	**G**	**50**	**5.02**
White Metal Firebox	1st Floor Area 5 Corridor East	-	G	51	0.08
White Metal Light	1st Floor Area 5 Corridor North	-	G	52	0.02
White Metal Vent	1st Floor Area 5 Corridor East	-	G	53	0.01
White Metal T-Grid	1st Floor Area 5 Corridor South	-	G	54	0.10

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Tan Wood Bumper Guard	1st Floor Area 5 Corridor West	-	G	55	-0.01
Tan Wood Door	1st Floor Area 5 Corridor North	-	G	56	0.04
Tan Metal Doorframe	1st Floor Area 5 Corridor North	-	G	57	0.10
Tan Wood Door	1st Floor Area 5 Corridor East	-	G	58	0.02
Tan Metal Doorframe	1st Floor Area 5 Corridor East	-	G	59	0.12
Silver Metal Bumper Guard	1st Floor Area 5 Corridor West	-	G	60	0.15
Brown Ceramic Drinking Fountain Wall	1st Floor Area 3 Corridor East	-	G	61	0.15
Tan Drywall Wall	1st Floor Area 3 Corridor East	-	G	62	0.07
Tan Drywall Wall	1st Floor Area 3 Corridor West	-	G	63	0.02
White Metal Light	1st Floor Area 3 Corridor North	-	G	64	0.01
White Metal Vent	1st Floor Area 3 Corridor South	-	G	65	0.08
White Metal Grill	1st Floor Area 3 Corridor North	-	G	66	0.10
Tan Wood Door	1st Floor Area 3 Corridor East	-	G	67	0.02
Tan Metal Frame	1st Floor Area 3 Corridor East	-	G	68	-0.01
Tan Wood Door	1st Floor Area 3 Corridor West	-	G	69	0.01
Tan Metal Frame	1st Floor Area 3 Corridor West	-	G	70	0.02
White Metal Firebox	1st Floor Area 3 Corridor East	-	G	71	0.04
Brown Wood Bumper Guard	1st Floor Area 3 Corridor West	-	G	72	-0.02
Silver Metal Bumper Guard	1st Floor Area 3 Corridor West	-	G	73	0.04
Silver Metal Hand Rail	1st Floor Area 3 Corridor East	-	G	74	0.10
White Ceramic Drinking Fountain Wall	**1st Floor Area 5 Corridor North**	**100 sq ft**	**G**	**91**	**18.04**
Tan Drywall Wall	1st Floor Area 5 Corridor North	-	G	92	0.02
Tan Drywall Wall	1st Floor Area Corridor South	-	G	93	0.04
Tan Wood Door	1st Floor Area 5 Corridor North	-	G	94	0.01
Tan Metal Frame	1st Floor Area 5 Corridor North	-	G	95	0.08

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Tan Wood Door	1st Floor Area 5 Corridor South	-	G	96	0.02
Tan Metal Frame	1st Floor Area 5 Corridor South	-	G	97	0.07
Blue Ceramic Floor	1st Floor Area 2 Corridor North	-	G	98	0.02
White Ceramic Floor	1st Floor Area 2 Corridor North	-	G	99	-0.01
Green Ceramic Floor	1st Floor Area 2 Corridor North	-	G	100	0.01
Tan Drywall Wall	1st Floor Area 2 Corridor East	-	G	101	0.04
Tan Drywall Wall	1st Floor Area 2 Corridor West	-	G	102	-0.02
White Metal Light	1st Floor Area 2 Corridor East	-	G	103	0.03
White Metal Frame	1st Floor Area 2 Corridor North	-	G	104	0.10
White Metal Vent	1st Floor Area 2 Corridor East	-	G	105	0.12
White Metal Grill	1st Floor Area 2 Corridor South	-	G	106	0.07
Tan Wood Door	1st Floor Area 2 Corridor West	-	G	107	0.01
Tan Metal Doorframe	1st Floor Area 2 Corridor West	-	G	108	0.02
Tan Wood Bumper Guard	1st Floor Area 2 Corridor South	-	G	109	-0.02
Gray Wood Desk	1st Floor Area 2 Corridor East	-	G	110	-0.27
Gray Wood Countertop	1st Floor Area 2 Corridor East	-	G	111	-0.25
White Metal Firebox	1st Floor Area 2 Corridor South	-	G	112	-0.04
White Metal Speaker	1st Floor Area 2 Corridor West	-	G	113	-0.12
Black Metal Door	1st Floor Area 1 Corridor South	-	G	114	0.08
Black Metal Doorframe	1st Floor Area 1 Corridor South	-	G	115	0.10
Black Metal Window Frame	1st Floor Area 1 Corridor South	-	G	116	0.15
Tan Drywall Wall	1st Floor Area 1 Corridor East	-	G	117	-0.02
Tan Drywall Wall	1st Floor Area 1 Corridor West	-	G	118	0.01
White Metal Light	1st Floor Area 1 Corridor South	-	G	119	0.03
White Metal Vent	1st Floor Area 1 Corridor East	-	G	120	0.05

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Brown Wood Bumper Guard	1st Floor Area 1 Corridor East	-	G	121	-0.01
Silver Metal Bumper Guard	1st Floor Area 1 Corridor West	-	G	122	0.01
Silver Metal Bumper Guard	1st Floor Area 1 Corridor East	-	G	123	0.03
Tan Metal Bumper Guard	1st Floor Area 1 Corridor West	-	G	124	0.10
White Metal Grill	1st Floor Area 1 Corridor North	-	G	125	0.02
White Metal Firebox	1st Floor Area 1 Corridor East	-	G	126	0.05
White Metal Speaker	1st Floor Area 1 Corridor West	-	G	127	0.01
Tan Ceramic Floor	1st Floor Area 1 Corridor North	-	G	128	-0.02
White Drywall Wall	1st Floor Area 1 Room 1400 North	-	G	4	0.01
White Drywall Wall	1st Floor Area 1 Room 1400 East	-	G	5	0.03
White Drywall Wall	1st Floor Area 1 Room 1400 South	-	G	6	-0.05
White Drywall Wall	1st Floor Area 1 Room 1400 West	-	G	7	0.02
Brown Ceramic Wall	1st Floor Area 1 Room 1400 North	-	G	8	0.05
Tan Ceramic Wall	1st Floor Area 1 Room 1400 North	-	G	9	0.07
Brown Wood Floor	1st Floor Area 1 Room 1400 South	-	G	10	-0.21
Black Metal Door	1st Floor Area 1 Room 1400 East	-	G	11	0.10
Black Metal Doorframe	1st Floor Area 1 Room 1400 East	-	G	12	0.12
Black Metal Window Frame	1st Floor Area 1 Room 1400 East	-	G	13	0.09
Gray Wood Cabinet	1st Floor Area 1 Room 1400 North	-	G	14	-0.12
Gray Wood Countertop	1st Floor Area 1 Room 1400 North	-	G	15	-0.15
White Metal Light	1st Floor Area 1 Room 1400 West	-	G	16	0.02
White Metal Vent	1st Floor Area 1 Room 1400 East	-	G	17	0.01
White Metal Grill	1st Floor Area 1 Room 1400 South	-	G	18	0.04
Tan Wood Door	1st Floor Area 1 Room 1400 West	-	G	19	0.02
Tan Metal Frame	1st Floor Area 1 Room 1400 West	-	G	20	0.10

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
White Metal Hand Rail	1st Floor Area 1 Room 1400 North	-	G	21	0.27
White Metal Stair	1st Floor Area 1 Room 1400 North	-	G	22	0.34
Brown Wood Cabinet	1st Floor Area 1 Room 1400 South	-	G	23	-0.02
Gray Ceramic Countertop	1st Floor Area 1 Room 1400 South	-	G	24	0.12
White Metal Ceiling	1st Floor Area 1 Room 1400 East	-	G	25	0.08
White Metal Beam	1st Floor Area 1 Room 1400 East	-	G	26	0.28
Brown Ceramic Wall	1st Floor Area 1 Room 1400 North	-	G	27	0.05
Blue Ceramic Wall	1st Floor Area 1 Room 1400 North	-	G	28	0.02
White Ceramic Wall	1st Floor Area 1 Room 1400 North	-	G	29	0.11
White Porcelain Sink	1st Floor Area 1 Room 1400 South	-	G	30	0.02
White Drywall Wall	1st Floor Area 1 Room 1406 North	-	G	31	0.01
White Drywall Wall	1st Floor Area 1 Room 1406 East	-	G	32	0.02
White Drywall Wall	1st Floor Area 1 Room 1406 South	-	G	33	-0.01
White Drywall Wall	1st Floor Area 1 Room 1406 West	-	G	34	0.02
Brown Wood Floor	1st Floor Area 1 Room 1406 East	-	G	35	-0.20
Black Metal Door	1st Floor Area 1 Room 1406 West	-	G	36	0.11
Black Metal Frame	1st Floor Area 1 Room 1406 West	-	G	37	0.15
Tan Wood Door	1st Floor Area 1 Room 1406 West	-	G	38	0.02
Tan Metal Frame	1st Floor Area 1 Room 1406 West	-	G	39	0.10
Brown Wood Cabinet	1st Floor Area 1 Room 1406 East	-	G	40	-0.02
Brown Wood Countertop	1st Floor Area 1 Room 1406 East	-	G	41	-0.04
White Metal Light	1st Floor Area 1 Room 1406 North	-	G	42	0.01
White Metal Vent	1st Floor Area 1 Room 1406 South	-	G	43	-0.01
White Metal Grill	1st Floor Area 1 Room 1406 West	-	G	44	-0.02
White Ceramic Wall	**1st Floor Area 1 Room 1481 North - Pool**	**1,200 sq ft**	**G**	**45**	**14.27**

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Blue Ceramic Pool	1st Floor Area 1 Room 1481 North	-	G	46	-0.27
White Plaster Ceiling	1st Floor Area 1 Room 1481 North	-	G	47	0.12
Tan Wood Door	1st Floor Area 1 Room 1481 East	-	G	48	0.07
Tan Metal Doorframe	1st Floor Area 1 Room 1481 East	-	G	49	0.11
Tan Wood Cabinet	1st Floor Area 1 Room 1481 West	-	G	50	-0.02
White Wood Countertop	1st Floor Area 1 Room 1481 West	-	G	51	-0.04
Blue Ceramic Wall	1st Floor Area 1 Room 1483 North	-	G	52	0.49
Blue Ceramic Floor	1st Floor Area 1 Room 1483 North	-	G	53	0.56
Blue Ceramic Wall	1st Floor Area 1 Room 1483 South	-	G	54	0.10
Tan Metal Locker	1st Floor Area 1 Room 1483 West	-	G	55	0.21
White Drywall Wall	1st Floor Area 1 Room 1483 East	-	G	56	0.07
White Drywall Ceiling	1st Floor Area 1 Room 1483 South	-	G	57	0.05
Green Metal Locker	1st Floor Area 1 Room 1483 West	-	G	58	0.25
White Porcelain Sink	1st Floor Area 1 Room 1483 North	-	G	59	0.02
White Porcelain Toilet	1st Floor Area 1 Room 1483 South	-	G	60	0.01
Tan Drywall Wall	1st Floor Area 4 Corridor North	-	G	31	0.02
Tan Drywall Wall	1st Floor Area 4 Corridor South	-	G	32	0.01
Tan Wood Door	1st Floor Area 4 Corridor North	-	G	33	0.07
Tan Metal Frame	1st Floor Area 4 Corridor North	-	G	34	0.10
Tan Wood Door	1st Floor Area 4 Corridor South	-	G	35	0.08
Tan Metal Frame	1st Floor Area 4 Corridor South	-	G	36	0.11
Blue Drywall Wall	1st Floor Area 4 Corridor North	-	G	37	-0.02
Brown Wood Wall	1st Floor Area 4 Corridor South	-	G	38	0.01
Brown Wood Bumper Guard	1st Floor Area 4 Corridor North	-	G	39	-0.02
Silver Metal Bumper Guard	1st Floor Area 4 Corridor South	-	G	40	-0.01

SUMMARY OF SUSPECT LEAD-CONTAINING COMPONENTS TESTED					
Building Component	**Location Of Material**	**Quantity**	**Condition**	**Sample number**	**Results (mg/cm^2)**
Silver Metal Bumper Guard	1st Floor Area 4 Corridor North	-	G	41	-0.07
Tan Metal Bumper Guard	1st Floor Area 4 Corridor North	-	G	42	0.01
Silver Metal Elevator Door	1st Floor Area 4 Corridor South	-	G	43	0.07
Silver Metal Frame	1st Floor Area 4 Corridor South	-	G	44	0.10
Tan Ceramic Wall	1st Floor Area 4 Corridor North	-	G	45	0.14
Gray Ceramic Floor	1st Floor Area 4 Corridor South	-	G	46	-0.02
Tan Plaster Wall	1st Floor Exterior North	-	G	75	0.06
Tan Plaster Wall	1st Floor Exterior East	-	G	76	0.12
Tan Plaster Wall	1st Floor Exterior South	-	G	77	0.04
Tan Plaster Wall	1st Floor Exterior West	-	G	78	0.07
Tan Plaster Overhang	1st Floor Exterior West	-	G	79	0.11
Tan Metal Wall	1st Floor Exterior North	-	G	80	0.20
Tan Metal Wall	1st Floor Exterior East	-	G	81	0.15
Tan Metal Wall	1st Floor Exterior South	-	G	82	0.07
Tan Metal Wall	1st Floor Exterior West	-	G	83	0.12
Black Metal Door	1st Floor Exterior North	-	G	84	0.15
Black Metal Doorframe	1st Floor Exterior North	-	G	85	0.19
Black Metal Doorframe	1st Floor Exterior South	-	G	86	0.21
Black Metal Door	1st Floor Exterior South	-	G	87	0.17
Black Metal Window Frame	1st Floor Exterior South	-	G	88	0.12
White Metal Column	1st Floor Exterior West	-	G	4	0.23
White Metal Beam	1st Floor Exterior West	-	G	5	0.40
White Metal Bracket	1st Floor Exterior West	-	G	6	0.18
White Metal Pipe	1st Floor Exterior West	-	G	7	0.25
White Metal Light	1st Floor Exterior West	-	G	8	0.10