



Adamo Group, Inc.

Health and Safety Operating Procedure Manual

For

**Ginosko Development Company**

Lafayette West – Old Shapiro Hall Abatement & Demolition  
1401 Rivard St., Detroit, MI

November 23, 2018

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## **Project Information**

**Date:** November 23, 2018  
**Project Name:** Lafayette West – Old Shapiro Hall Abatement & Demolition  
**Project Location:** 1401 Rivard St., Detroit, MI

**Owner:** Lafayette Acquisition Partners, LLC

**Owner's Representative:** Ginosko Development Company

<b>Vice Pres Development:</b> Nathan Keup	<b>Phone:</b> 743-740-1912
<b>Project Manager:</b> TBD	<b>Phone:</b>
<b>Project Engineer:</b> TBD	<b>Phone:</b>
<b>Safety Manager:</b> TBD	<b>Phone:</b>

**Subcontractor:** Adamo Group, Inc.

<b>Project Manager:</b> Rick Cuppetilli	<b>Phone:</b> 313-779-3850
<b>Project Superintendent:</b> Randy Schuler	<b>Phone:</b> 313-720-1958
<b>Safety Representative:</b> Mark St. Cyr	<b>Phone:</b> 313-686-7337

<b>Environmental Services Consultant:</b> Environmental Maintenance Engineers (EME)	
<b>Project Manager:</b> Mike Kelly	<b>Phone:</b>
<b>Phone:</b> 313-475-4675	

**Agency/Facility/Individual and Phone Numbers:**

Ambulance Service: **911 Emergency**

Local Police: Detroit **911 Emergency** or 313-596 2200 Non-Emergency

Local Fire/Rescue: Detroit **911 Emergency** or 313-596-2900 Non-Emergency

POLLUTION EMERGENCY ALERTING SYSTEM: DEQ 800-292-4706

POISON CONTROL CENTER: 313-745-5711

NATIONAL RESPONSE CENTER: 800-222-1222

CHEM-TREC: 800-424-9300

EPCRA/SARA TITLE 3 HOTLINE: 800-424-9346

**KEY ADAMO PERSONNEL:**

Adamo Executive Vice President: Rick Cuppetilli 313-779-3850 cell

Adamo Project Manager: Rick Cuppetilli 313-779-3850 cell

Adamo Safety: Mark St. Cyr 313-686-7337 cell

Adamo Superintendent: Randy Schuler 313-720-1958 cell

**Location of Nearest Medical Facility**

**Detroit Medical Center – Harper University Hospital  
3990 John R St. Detroit**

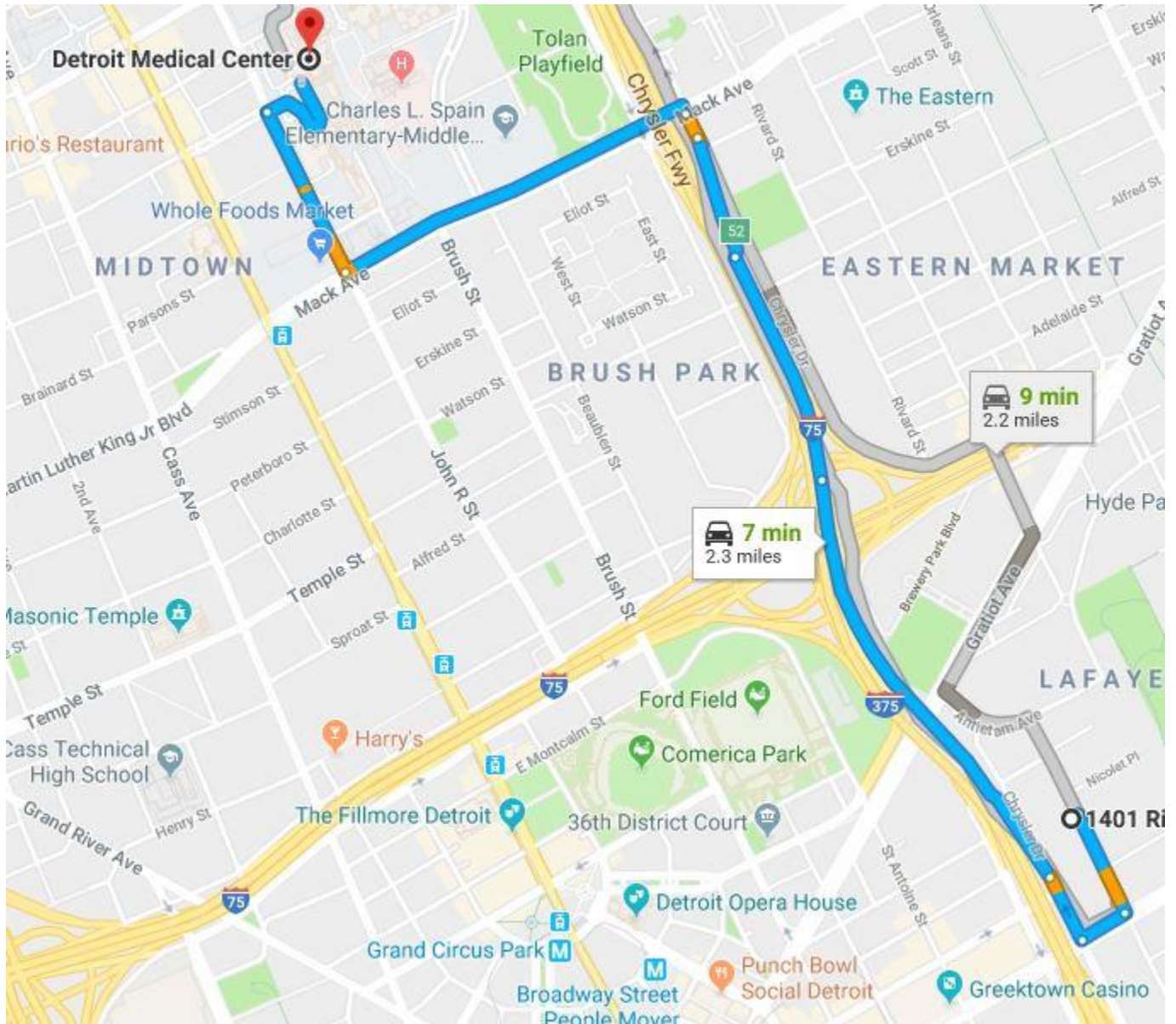
Directions

Leaving jobsite, head southeast toward Lafayette St. and go 0.1mi., turn right (west) onto Lafayette St. and travel 200ft and turn right again to the Chrysler Drive Entrance ramp to I375, take I375 north merge onto to I75 north. Travel 1.5mi on I75 and Exit at exit 52 Mack Ave. and turn left Mack Av. and travel on Mack Ave. for approx. 1,500 ft.

Turn right (North) onto John R. road. Take John R. road  $\frac{3}{4}$  of a mile and turn right (east) onto E. Alexandrine St to your destination the Detroit Medical Center – Harper and Women’s Hospital. Total distance is 2.3 miles and time is approximately 8 minutes of travel.

**Hospital Information**  
**3990 John R Rd.**  
**Detroit, MI 48201**  
**313-745-8040**

**Hospital Map**



# Project Control Manual

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## **1. Safety Guidelines**

Safety is a primary concern of Adamo. Through training, daily Safe-Card or Pre-Task meetings, weekly toolbox talks meetings and strict enforcement of Adamo's safety program, we ensure the safety of our personnel at all work sites.

### **1.1 Site Safety Guidelines**

Through implementation of our site-specific Project Policy and Procedures Manual along with our Demolition Safety Manual, Adamo superintendents and/or safety manager will monitor and enforce applicable safety regulations. The following is a brief outline of Adamo's safety program.

#### **1.1.1 Safety Guidelines for Demolition**

Our safety guidelines have two goals: First, to catalogue for our employees the safe way to perform the diverse tasks undertaken when demolishing a structure and to establish industry safe work practices. Conveying this information in an easy-to-understand form is the second goal of Adamo. Adamo believes that for any health and safety reference to be effective, it must present the information clearly, concisely and understandably.

#### **1.1.2 Accident Prevention**

The accident prevention program applies to the entire scope of all projects performed by Adamo. It serves as a minimum requirement and is supplemented and expanded periodically to achieve its purpose. Accident prevention is implemented to effectively prevent accidents by identifying causes of accidents and taking corrective action, if necessary, to minimize the probability of an accident occurring.

#### **1.1.3 Annual Inspection**

In addition to daily inspections by Adamo personnel, each piece of equipment undergoes a thorough inspection by Adamo mechanics on a minimum annual basis. The inspection serves to ensure the safety of all equipment used by Adamo. Annual inspections are in addition to routine maintenance and inspections as recommended by respective manufacturers.

#### **1.1.4 Daily Pre-Task or "Safe-Card" Safety Meetings**

Meetings occur every morning and are conducted by the project foreman prior to the start of each shift. Every meeting is designed to discuss the daily planned activity, the persons involved in the task(s), any special hazards associated with the task(s), and a project check list for the foreman to sign off. These meetings/orientations encourage participation by Adamo employees on each project to further implement accident prevention and continually develop awareness about the concerns of hazardous work practices and/or conditions that exist daily on the jobsite.

#### **1.1.5 Weekly Safety Meetings**

Meetings occur at the same time each week. Every meeting is designed to encourage participation by Adamo employees on each project to further



implement accident prevention. A subject concerning hazardous work practices and/or conditions is discussed at every meeting to improve employee awareness regarding a safe work site.

#### **1.1.6 Hazardous Communication Program**

Adamo implements this program on all projects. The program is designed to ensure each employee has the required knowledge and awareness of potential hazardous substances he may be exposed to on each project. A complete list of Safety Data Sheets (SDS) is available for each employee's review at every site, in addition to appropriate hazard labeling where applicable.

## **2. Jobsite Health and Safety Plan**

### **2.1. Introduction and Purpose**

In accordance with 29 CFR 1910.120, .134, .146, .1200, .1025 and 29 CFR 1926.65, .62, .701, .600, .601, .602 and 29 CFR 1926 Subpart T – Demolition and Michigan Department of Consumer and Industry Services Safety Standards for Construction – Part 20 Demolition, this document has been prepared and will be used to administer, direct, and coordinate the safety process on this project. Incorporated by reference are Adamo's Corporate Safety Manual and Safety Data Sheet (SDS) Manual.

### **2.2. Adamo Group's Commitment**

Adamo Group (Adamo) is committed to providing a safe and healthful workplace and is responsible for the safety and health of our employees and all our subcontractors at any tier working at the job site. In addition, Adamo will take all precautionary measures to protect other persons from injury and to protect property.

## **3. Adamo Policy Statements**

### **3.1 Substance Abuse**

Refer to Adamo Group - Demolition Safety Program Manual  
Section 4 - This form is signed by every employee of Adamo and kept in the Employee's personnel file.

### **3.2 Workplace Violence Policy**

The safety and security of Adamo employees and customers are very important. Threats, threatening behavior, acts of violence, or any related conduct, which disrupts another's, work performance or Adamo's ability to execute its business, will not be tolerated.

Any person who makes threats, exhibits threatening behavior, or engages in violent acts on company owned or leased property, or on a customer's owned or leased property, may be removed from the premises pending the outcome of an investigation. Threats, threatening behavior, or other acts of violence executed off the property described

above but directed at Adamo employees or members of the public while conducting company business, is a violation of this policy. Off-site threats include but are not limited to threats made via the telephone, fax, electronic or conventional mail, or any other communication medium.

Violations of this policy will lead to disciplinary action that may include dismissal, arrest, and prosecution. In addition, if the source of such inappropriate behavior is a member of the public, the response may also include barring the person(s) from company owned or leased premises or customer owned or leased property, termination of business relationships with that individual, and/or prosecution of the person(s).

Employees are responsible for notifying their immediate supervisor of any threats, which they have witnessed, received, or have been told that another person has witnessed or received. In the event the employee's immediate supervisor is involved in the threats or threatening behavior, the employee is responsible for notifying that person's supervisor or any other member of management of such acts. Employees should also report any behavior they have witnessed which they regard as threatening or violent when that behavior is job related or might be carried out on company owned or leased property or a customer's owned or leased property, or in conjunction with the employee's employment.

Each employee who receives a protective or restraining order, which lists company, owned or leased property, or a customer's owned or leased property, as a protected area is required to provide the company with a copy of such order.

### **3.3 Disciplinary Action**

Disciplinary action for an employee's violation of the Workplace Violence Policy will include removal from the workplace pending the outcome of an investigation. In all cases the employee will not be re-assigned to the same project regardless of the outcome of the investigation.

Depending on the nature of the violence, threat, or threatening behavior, discipline may include suspension, termination of employment, arrest and prosecution.

### **3.4 Fall Hazard Control Policy**

Refer to Adamo Group - Demolition Safety Program Manual  
Section 1, Chapter 5.8, 5.8.1, 5.8.2 and 5.8.3

### **3.5 Lockout-Energy Control Policy**

Not applicable for this project. All utilities will be air gapped.

### **3.6 Hazardous Communication Program**

Refer to Adamo Group - Demolition Safety Program Manual  
A complete list of Safety Data Sheets (SDS) is available for each employee's review at every site, in addition to appropriate hazard labeling where applicable.

## **4. Jobsite Safety Management and Administration**

### **4.1 Responsibilities**

Project Manager will be responsible for reviewing and documenting the review of the written Jobsite Safety Plan with all our subcontractors at any tier and others prior to commencement of the work.

Project Superintendent will be responsible for implementing and monitoring the Jobsite Safety Plan.

Project Superintendent and the Site Foreman will be responsible for jobsite safety inspections.

Project Superintendent and Site Foreman will be the competent person on the project having the training and knowledge to identify and control existing and predictable hazards. He has the authority to take prompt measures to abate these hazards.

Adamo authorizes all their supervisors/foreman and those of their subcontractors at any tier to stop any work that places people in imminent danger or would result in major loss or damage to equipment, property, or the environment until the condition is corrected.

Project Superintendent will be responsible for conducting and/or coordinating the weekly toolbox meetings with documentation.

Project Manager will be responsible for attending the weekly project safety process review with the Ginosko Development Company representative.

### **4.2 Record Maintenance**

Adamo will maintain the project Log of Occupational Injuries and Illnesses (OSHA No. 300) and post the Job Safety and Health Protection workplace poster (OSHA 2203 or state equivalent), and any other safety and health posters required by a state, such as, the Right-to-Know poster on a board located on the project site.

Adamo will maintain all Safety Data Sheets (SDS's), including SDS's required by our subcontractors at any tier in the possession of, Project Superintendent.

Adamo will maintain all accident and incident reports, documentation of inspections, documentation of training, documentation of tool box talks and all other documentation required by the Jobsite Safety Plan in a three-ring binder in the possession of, Project Superintendent. This also includes documentation for our subcontractors at any tier.

## **5. Subcontractor Pre-Qualification and Selection**

Adamo has reviewed all subcontractors' safety performance data. All subcontractors performing work on the jobsite meet the following safety performance criteria:

Experience Modification Rate (EMR)  $\leq 1.0$   
Lost Workday Case Incident Rate (LWCIR)  $\leq 6.0$

Before a subcontractor mobilizes on the jobsite, their safety performance data and their jobsite safety plan are to be reviewed by the contractor and the documentation is to be reviewed with the project management team.

## **6. Jobsite Safety Process**

### **6.1 Employee Jobsite Safety Orientation**

Adamo will conduct a job site safety orientation for our employees and insure the same is done for our subcontractor employees. The orientation will include, at a minimum, a review of the Jobsite Safety Plan with emphasis on: Section III Policy Statements, Section VI Project Safety Process, and Section VII Task Based Risk Assessment and Hazard Control Plan. These orientations will be documented and available to the Owner's representative.

### **6.2 Safety Meetings**

#### **Daily Pre-Task or Safe Card Meetings**

Adamo will conduct documented daily Safe Card Meetings for all our employees and will determine that all of our subcontractors at any tier conduct documented daily safety meetings. Topics chosen will be relative to specific project site hazards and/or procedures that may be encountered during that day's work on the project. These records will be available to the owner's representative.

#### **Weekly Toolbox Meetings**

Adamo will conduct documented Weekly Toolbox Safety Meetings for all of our employees and will determine that all of our subcontractors at any tier conduct documented weekly safety meetings. Topics discussed will relate to specific project site hazards and/or procedures that have been or are expected to be encountered on the project. These records will be available to the owner's representative.

### **6.3 Documented Jobsite Inspections**

Adamo will conduct and document weekly jobsite health and safety inspections. Those hazards identified in Section VI will be monitored daily. Any discrepancy as it relates to the hazard control plan found in Section VI will be noted. Corrective actions will be documented, and the Jobsite Plan will be updated as necessary. All updates to the Jobsite Safety Plan will be reviewed with the Owner's representative.

### **6.4 Accident Reporting**

Adamo requires all our employees, our subcontractors at any tier and others on the job site to immediately report all injuries/illnesses, including "near misses" to, Project Superintendent. The investigation of the incident will determine possible cause and identify corrective action.

If required, Adamo will submit a monthly contractor injury/illness report (including data for all subcontractors).

Adamo will report all OSHA recordable injury/illness incidents, serious near misses, fires, spills, etc., to the Owner representative in writing using the incident reporting forms supplied by the Owner.

Immediate notification of major incidents will be made to the Owner's representative. (Affected area will be secured until released by the Owner's representative.) Major incidents include fatalities, injury and near miss incidents having the potential to cause a fatality, fires, explosions and environmental incidents such as spills of hazardous materials or release of toxic dust, fibers, etc., to the air.

## **6.5 Emergency Procedures**

Adamo will establish emergency procedures and phone numbers for all the applicable emergencies:

### **6.5.1 Medical Emergency**

In case of a medical emergency, requiring more than first aid, a call will be placed to Emergency Assistance at 911 to have an ambulance dispatched. The injured/ill employee will not be moved unless necessary to prevent further injury or illness. A call will be placed to Local Hospital Emergency Room, stating the nature of the emergency and informing the hospital that the person will be brought in by ambulance. Directions from the site are included in the first section of the manual. A Supervisor from the jobsite will accompany the injured or ill person to the hospital. All necessary forms and notifications will be made in accordance with this Jobsite Safety Manual and with Adamo Company Policy. The directions to the hospital will be posted on the job office wall along with the emergency phone numbers.

### **6.5.2 Fire and Explosion Emergency**

In the event of a fire or explosion, a call will be placed to the **Local Fire Department Emergency (911)** or non-emergency Fire Department and all workers will be directed to vacate the area. Notification will be immediately made to the Owner, with the appropriate documentation being completed after the emergency has been abated.

### **6.5.3 Chemical Spill and Leak Emergency**

In the event of a chemical spill or leak, all workers will be directed to vacate the area and a call will be placed to 911 or to the Fire Department. The Owner will be notified immediately. Adamo will abide by chemical spill response procedures as provided in the Spill Prevention Plan section of this manual.

#### **6.5.4 Building or Jobsite Evacuation**

The building will not be occupied during this project. If the need arises to vacate the jobsite, all employees and/or visitors to the site will be directed to exit through the main gate and not return until further notified by the Project Superintendent. The Owner will be notified of evacuation and the cause. Adamo will not allow any persons to return to the site until approval is given by the Owner.

#### **6.5.5 Severe Weather Emergency**

In cases of severe weather, all equipment will be shut down and properly secured. All employees will be instructed to vacate the jobsite and the Owner's procedure for jobsite evacuation will be followed.

#### **6.5.6 Collapses or Failure of Supports Emergency**

As this is a demolition project, and the building will not be occupied, we do not foresee a collapse or failure of supports emergency occurring. However, should any person enter the building unauthorized, and the building was to collapse during demolition, Medical Emergency and Fire Emergency procedures would be followed.

#### **6.5.7 Electrical Outages and Emergencies**

There may be a temporary electrical generator on standby to provide power to the jobsite office trailers in case of an emergency.

#### **6.5.8 Transportation Emergency**

Adequate transportation for all personnel and contingencies will be provided throughout the duration of the project.

#### **6.5.9 Fire Protection System Emergency**

NA

#### **6.5.10 Flooding Emergency**

In the case of a flood, the procedure for Severe Weather Emergency would be followed.

#### **6.5.11 Workplace Violence Emergency**

In the event of a workplace violence emergency, a call will be placed to the Local Police. If anyone is injured appropriate steps will be taken as outlined in the Medical Emergency Procedure and the First Aid Procedure. The Project Superintendent will account for all employees on the site and notify the police if anyone is missing.

### **6.6 First Aid and Medical Services**

Demolition is often done on structures in deteriorated condition. Working in a deteriorated structure at a congested job site increases the potential for accident and

injury. Proper planning can minimize the hazards at the job and aid in dealing with an accident if one occurs.

Prior to starting work, Adamo shall make provisions for prompt medical attention in case of serious injury. The nearest hospital or clinic has been located as part of this plan. The Project Superintendent will be provided with instructions for the most direct route to these facilities. Proper equipment for prompt transportation of an injured worker, as well as a communication system to contact any necessary ambulance service, will be available at the jobsite. The emergency telephone numbers to be used are listed at the beginning of this document.

Project Superintendent is trained to administer first aid and CPR in the event of an emergency.

Coordinate emergency response procedures with the location. Ambulance and fire services may need to be escorted to the location of the emergency by the Owner's on-site personnel.

### **6.7 Outside Agency Inspections**

Adamo will immediately notify the Owner, in the event of an outside agency inspection. Inspection will not proceed until an Owner's representative is present.

### **6.8 Contractor Weekly Safety Process Review with Owner**

Adamo will use the weekly project progress review meetings to address the effectiveness of the Jobsite Safety Plan. Required documents will be provided to and reviewed with the Owner's representative, if required by owner.

Weekly progress review meetings will include a review of the safety management methods used on this project and a review of contractor and subcontractor safety performance.

#### **6.8.1 Agenda Items**

- A review of each subcontractor's experience modification rating (EMR) and lost workday case incident rate will be conducted for compliance with established safety criteria, which is (EMR  $\leq$  1.0 and LWCIR  $\leq$  6.0)
- Review of each subcontractor's jobsite safety plan and documented review with employees
- Review task-based risk assessment for new work and major hazards
  - Tasks
  - Control Methods
  - Competent and Qualified Persons Identified
  - Safety Resources
    - Review monthly injury/illness report
    - Review each incident resulting in lost time
      - Investigation and root cause
      - Corrective actions
      - Jobsite Safety Plan update
      - Close-out report

- Review of major incidents
- Review of jobsite safety inspections and corrective actions
- Identify issues for plant manager review
- Government agency safety and health inspections
- Contractor's key executive safety observation tours
- Corporate or contractor safety director inspections
- Review contractor orientation program
- Recognition awards
- Identify contractors requiring safety improvement plan
- Summary of documentation that will be reviewed at progress meetings:
  - Subcontractors documented review of jobsite safety plan
  - Jobsite safety orientation program documentation
  - Drug testing program summary
  - Toolbox talks documentation
  - Incident/near miss reports
  - Safety inspection reports

## **7. Task Based Risk Assessment and Hazard Control Plan**

The intent of this information is to establish safe work practices and common hazard control measures for preventing major incidents. Adamo and its subcontractors at any tier will perform their work in accordance with the safe work practices and methods of hazard control contained in this section.

This section includes tasks having the potential to cause a major incident. A major incident is any event resulting in loss of life, permanent impairment of health or a body function, fire and/or explosion and any adverse environmental consequence.

Adamo's environmental and demolition plan and scope of work includes removal of all asbestos containing materials and completing the building demolition of the former Shapiro Hall/Wayne State School of Pharmacy.

All Asbestos Containing Materials will be removed prior to the start of demolition activities. A clean letter will be produced by the Environmental Services Contractor. All buildings will be demolished to grade. The cutting/capping of utilities at the edge of the jobsite will be completed. Select site improvement demolition work. Clearing and grubbing as indicated on contract documents.

Proper disposal of all site generated demolition materials.

Provide temporary access plans as required and a laydown area will be used as required.

Perform all rough grading of the jobsite.

Furnish and install and compact in place all aggregate sub base and engineered/structural fill as required to fill excavations.

Installation of all required Ginosko Development Company erosion control including silt fencing will be done as required.

The task-based risk assessment and hazard control plan will establish safe work practices to the extent that they apply to the work to be performed, including, but not limited to, the following:



**Potential Job Hazard Table:**

Work Task	Hazard	Safe Work Practices and Hazard Control Measures	Contingency Plan
<p>Hand, Mechanical and equipment demolition of building materials</p> <p><b>*Daily Pre-Task or Safe Card plan will compliment any provisions within this section.</b></p>	<p>1. Utility disconnects</p> <p>2. Mechanical and hand demolition</p> <p>3. Transport of debris off-site.</p>	<p>1. Obtain confirmation of all utility disconnects prior to commencing operations.</p> <p>Maintain all equipment in safe working order.</p> <p>2.a. Secure work area.</p> <p>2.b. Maintain clearance from all overhead, lateral and other obstructions to remain after demolition. Wear minimum PPE (hardhat, safety glasses, high visibility vest) at all times while on site.</p> <p>2.c. Assure site is secured and protective barrier measures are in place during each days operations.</p> <p>3. Maintain all equipment in safe working order.</p> <p>3.a. Restrict truck traffic to designated haul routes. When required tarp all loads before leaving the site.(See section 10.4.3, page 38, for specific transporting covering)</p>	<p>1. Do not proceed without satisfactory clearance confirmation. Unforeseen utility related events will be notified to the Site Manager and appropriate utility providers.</p> <p>2. Confirm equipment safety &amp; operator manuals are present and current.</p> <p>2.a. Additional security provisions per regulations may be required at times.</p> <p>2.b. Perform pre-demolition survey of project site.</p> <p>2.c. Perform regular daily reviews of the perimeter to assure protective barrier is in place.</p> <p>3. Confirm equipment safety and operator manuals are present and current.</p> <p>3.a. All trucks will be checked for tarps as they leave the gate.</p>

<p>Non-Friable Asbestos Handling</p>	<p>1. Excessive dust</p> <p>1.a ACM exposure</p>	<p>1. The limited handling will eliminate fugitive dust emissions along with the use of water and spray nozzles located at various points. All transfer points will have minimal drop distances.</p> <p>1.a All operators &amp; laborers working with or around asbestos materials will be outfitted with minimum P.P.E (Hard hat, gloves, safety glasses and respirators</p>	<p>1. If dust emissions exceed those allowed under NESHAPS &amp; OSHA regulations all work will be stopped and we will put other practices in place to alleviate excess emissions.</p> <p>1.a Methods will be altered and aggressive wetting procedures will be implemented to limit exposure levels.</p>
<p>Lights and ballasts <b>(do not expect to encounter this at this project)</b></p>	<p>1. Breakage of bulbs and contact with a potentially leaking ballast</p>	<p>1. All lights will be disassembled and lowered to the ground. Minimum P.P.E shall be hard hats, rubber gloves, and safety glasses. All ballasts will be visually inspected for leaks. Any leaking ballasts will be handled as not to contact any wet spots and will be placed into a poly container and sealed with duct tape.</p>	<p>1. All bulb receptacles will be inspected for tears or damage. All ballast drums will be inspected for holes or damage. All bulbs and ballasts will be handled with care to prevent dropping or mishandling.</p>
<p>Transformers</p> <p>Removal of Non-PCB oils <b>(do not expect to encounter this at this project)</b></p>	<p>All transformers will be tested for PCB's</p> <p>1. Leaks</p>	<p>1. All transformers will be drained by removing a cover above the level of the oil and vacuuming into a seal tanker truck. Personnel will be trained to operate the vacuum. Minimum PPE will be rubber gloves &amp; boots impermeable outerwear, hard hats, safety glasses and face shields.</p>	<p>1. The work area will be isolated and barricaded from entry by any unauthorized personnel. The immediate work path will have a layer of poly on the ground.</p>

<p>Removal of concrete, steel, and various other building materials</p>	<p>1.Utility disconnects</p> <p>2. Material removal via mechanical machine, hand cutting/burning and subsequent sorting and transport of material offsite for recycling and disposal.</p>	<p>1. Obtain confirmation of all utility disconnects prior to commencing operations.</p> <p>Maintain all equipment in safe working order.</p> <p>2.a. Secure work area.</p> <p>2.b. Wear at a minimum P.P.E. (hardhat, safety glasses, high visibility vest, sturdy boots) at all times while working.</p> <p>2.c. Wear the appropriate safety glasses and weld shield and welding gloves during all cutting and burning operations.</p> <p>2.d. Make certain the oxygen and gas bottle storage areas are always separated by over 20ft</p> <p>2.e. Assure the Hot work permit is in place prior to hot work.</p>	<p>1. Do not proceed without satisfactory clearance confirmation. Unforeseen utility related events would be notified to the Site Manager.</p> <p>Confirm equipment safety and operator manuals are present and current.</p> <p>2.a. Verify with the onsite supervision all work procedures.</p> <p>2.b. Verify existing conditions and analytical information.</p> <p>2.c. Verify we have the required weld gloves and weld shields onsite.</p> <p>2.d. Daily review of the work area to assure compliance with the separation criteria.</p> <p>2.e. Verify we have the hot work permit in place prior to burning each day.</p>
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As part of this Health and Safety Plan Adamo will be implementing a communication plan between Owner and Adamo's supervision.

This plan will enable the field employees of Adamo to communicate their daily site safety plans and any changes to the Owner.

The plan will also allow the Owner to communicate any safety concerns directly to Adamo field personnel.

Adamo will comply with the MIOSHA Asbestos regulations on this project.

## 8. Site Specific Lead, Cadmium and Hexavalent Chromium Plan

For Demolition Project with Possible LEAD (Pb), and/or CADMIUM (Cd), and/or HEXAVALENT CHROMIUM (Cr VI) EXPOSURE

**29 CFR 1926.62 – Lead (e)(2)(ii) Written Plan**  
**29 CFR 1926.1127 - Cadmium (f)(5)(i) Written Plan**  
**29 CFR 1926.1026 – Hexavalent Chromium (VI) (a) thru (n)**

### 8.1. Summary

The purpose of this plan is to establish procedures for protecting employees of Adamo Group while working on projects where occupational exposure to lead / cadmium / hexavalent chromium may occur.

When it is advised that there is the presence of lead / cadmium / hexavalent chromium / hexavalent chromium (VI) on a project, Adamo Group will assess potential lead / cadmium / hexavalent chromium / hexavalent chromium (VI) hazards for each demolition activity to be performed by Adamo employees on the project and will take appropriate actions to protect the employee. The report of assessment and protection will be documented for each project, and for each demolition activity thereof, in accordance with OSHA 29 CFR 1926.62 Lead Standard, OSHA 29 CFR 1926.1127 Cadmium Standard, and OSHA 29 CFR 1910.1026 Hexavalent Chromium Standard.

The demolition activities normally performed by Adamo Group personnel that are specifically covered by these Standards are as follows:

(Check if applicable to this project:)

  XX        **Burning / Torching Demolition of Structures**

  XX        **Machine Demolition of Structures**

  XX        **Manual Demolition of Structures**

When lead / cadmium / hexavalent chromium / hexavalent chromium containing coatings are or may be present, Adamo will perform an initial assessment by means of air monitoring. During the initial assessment, employees are required to wear appropriate personal protective clothing and equipment. Specifics of protection will be indicated on the lead / cadmium / hexavalent chromium plan developed for each project.

In addition to air monitoring at the current job site, air-monitoring results obtained under essentially the same conditions on a previous project, performed within the past twelve months, may be used for the initial assessment.

Adamo Group supervision will develop work practices, engineering controls, personal protective equipment use, air monitoring and medical surveillance decisions based upon the exposure levels indicated by the initial assessment. A report of protective measures will be indicated on the lead / cadmium / hexavalent chromium plan developed for each project.

When demolition is performed by machine or mechanical methods (demolition tasks not specifically addressed in 1926.62 Lead), Adamo Group will monitor for exposure to lead / cadmium / hexavalent chromium or use historical data to determine appropriate actions to protect the employee. Where historical data for similar work demonstrates and supports exposure to lead / cadmium / hexavalent chromium to be below the action level (AL), and the data is less than 12 months old, Adamo Group will make a written record of the determination and no other protective measures will be implemented, unless specifically requested by the employee.

Project Manager, Safety Officer for Adamo Group, will conduct inspections of job sites, materials and equipment to assure compliance. The corporate Lead, Cadmium, and Hexavalent Chromium Program will be revised and updated, as necessary, every 6 months to reflect the current status of the program.

**8.2. Project Statistics**

**SCOPE OF WORK:** Demolish, load, and remove debris from demolition site.

LEAD, CADMIUM, HEXAVALENT CHROMIUM HAZARD SOURCE: Possible lead, cadmium, hexavalent chromium coatings on surfaces. It shall be presumed that lead / cadmium / hexavalent chromium containing coatings are present on the project site. Adamo will perform an initial Negative Exposure Assessment in accordance with the Adamo Group Written Lead, Cadmium, and Hexavalent Chromium Program Policies and Procedures. Monitoring results will be posted to confirm findings.

**8.3. Compliance Plan**

**EMPLOYEES: (please list w/ trade classification):**

<a href="#">See Daily Activity Report Roster</a>		

**(A) ACTIVITY:** (Check all that apply)

<b>Burning / Torching</b>	<b>XXX</b>
<b>Machine</b>	<b>XXX</b>
<b>Manual</b>	<b>XXX</b>

**INITIAL ASSESSMENT:**

- \_\_\_\_\_ Burning/Torching of structures with lead / cadmium / hexavalent chromium containing coatings can produce exposure greater than action level.
- \_\_\_\_\_ Age of structure suggests the possibility of the presence of lead / cadmium / hexavalent chromium based paint.
- X**   Historical Data indicates lead / cadmium / hexavalent chromium exposure level below action levels. Monitoring results will be posted to confirm.

## EQUIPMENT:

<u>XX</u>	Torch (es)
	Ventilation Fan(s)
<u>XX</u>	Water Hoses with Adjustable Nozzles, and/or "Dust Boss" dust suppression
<u>XX</u>	Excavator (with Grapple and / or Shear Attachments), Loader, and/or Other Heavy Equipment
<u>XX</u>	Small Support Machinery (Bobcat Loader, Mini-Excavator, etc., with or without attachments)
<u>XX</u>	Trucks (for Live-Loading and / or Container Transport of Demolition Materials)
	Water Truck
	No Heavy Equipment in Use - Hand Tools Only
<u>XX</u>	Shovels, Brooms (when / where appropriate), Wet-Mops

## MATERIALS:

<u>XX</u>	Use of Acetylene or Propane, and Oxygen (for torching and burning)
<u>XX</u>	Water (for dust suppression)
	Disposable Wet-Wipes
	Tack-Cloth
	Tri-Sodium Phosphate (TSP – Neutralizing Cleaning Agent)
<u>XX</u>	Demo Debris (generated during operations, removed, and legally disposed)

## CONTROLS:

<u>XX</u>	Fire extinguisher(s) and fire watch
<u>XX</u>	Water Spray Dust Suppressant (interior and/or exterior) (temperature permitting)
	Ventilation Fans (where applicable)
<u>XX</u>	Air Monitoring (PBZ, and/or IWA, and/or OWA, if required)

## EMPLOYEE RESPONSIBILITY:

<u>XX</u>	Wear Face Shield and Level "D" Personal Protective Clothing and Equipment (PPE)
<u>XX</u>	Operate Equipment and Tooling
<u>XX</u>	Perform Selective Demolition and Load Debris
	Perform Manual Demolition of Miscellaneous Equipment and Clean-Up Debris.

## OPERATING PROCEDURES AND MAINTENANCE PRACTICES:

<u>XX</u>	Make sure torch (es) is/are operating properly. Repair any hose leaks, and replace tip regularly.
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XX Proceed in accordance with Adamo Group Safety Manual and N.D.A. Demolition Standards practices.

\_\_\_\_\_ Hose down equipment with water after each shift, weather permitting.

(B) SPECIFIC MEANS TO ACHIEVE COMPLIANCE

**DURING EXPOSURE ASSESSMENT**

Respiratory Protection

\_\_\_\_\_ Full face mask with HEPA filter, or full face supplied air respirator in pressure demand mode

XX HEPA filtered ½ face respirators if working in the immediate area of demolition  
\_\_\_\_\_ Since historical data indicates little, if any, lead / cadmium / hexavalent chromium exposure, provide only if requested by employee

Personal Protective Equipment and Clothing

\_\_\_\_\_ Coveralls, Gloves, Hard Hats, Work Boots, Face Shields

XX Hard hats, Safety Glasses, high visibility vest, work gloves

\_\_\_\_\_ Disposable Tyvek Coveralls, Hand Washing Facilities, Biological Monitoring

**8.3.1. Air Monitoring – PBZ / IWA / OWA**

Action Level (AL), Lead: 30 µg/m³ per 8-hr. Time-Weighted-Average (TWA)

Action Level (AL), Cadmium: 2.5 µg/m³ per 8-hr. TWA

Action Level (AL), Hexavalent Chromium (VI): 2.5 µg/m³ per 8-hr. TWA

Personal Exposure Limit (PEL) : Lead : 50 µg/m³ per 8-hr. TWA

Personal Exposure Limit (PEL) : Cadmium : 5.0 µg/m³ per 8-hr. TWA

Personal Exposure Limit (PEL) : Hexavalent Chromium (VI) : 5.0 µg/m³ per 8-hr. TWA



Activity	Lead		Cadmium AND Hexavalent Chromium (VI)	
	Is Applicable Monitoring Required? (Yes / No)		Is Applicable Monitoring Required? (Yes / No)	
	< 30 µg/m <sup>3</sup> per 8-hr. TWA	≥ 30 µg/m <sup>3</sup> per 8-hr. TWA	< 2.5 µg/m <sup>3</sup> per 8-hr. TWA	≥ 2.5 µg/m <sup>3</sup> per 8-hr. TWA
Burning / Torching	No - <b>H</b> - 3.0		No - <b>H</b> - .033	
Machine	No - <b>H</b> - 3.0		No - <b>H</b> -	
Manual	No - <b>H</b> - 3.0		No - <b>H</b> - .033	

**8.3.2.** In response section above, insert **H** for "Historical < 12 months old", or **A** for Actual / Initial", and "Actual / Initial" data values where available, (as depicted in *examples* above)

### SUBSEQUENT TO EXPOSURE ASSESSMENT

#### Respiratory Protection

XX As necessary in accordance with lead / cadmium / hexavalent chromium standards

XX Provide if requested by employee

XX Expect exposure to be less than action level; respiratory protection only upon request of employee

#### Disposable Personal Protective Clothing

\_\_\_\_\_ Provide if requested by employee

\_\_\_\_\_ Hard hats, safety glasses

XX Not applicable for exposure below action level

#### Housekeeping (h)–Lead 1926.62 & (k) – Cadmium 1926.1127 – Hex. Chromium (VI) 1910.1026

All surfaces will be maintained as free as practicable of accumulations of lead / cadmium / hexavalent chromium. HEPA vacuuming will be employed.

#### Hygiene Facilities and practices (i) – Lead 1926.62 & (j) – Cadmium 1926.1127 – Hex. Chromium (VI)

Change Area: A clean change area will be provided as required

Shower: Provide shower facilities as required

Eating Facilities: **Remote**

Hand washing facilities will be provided

Medical Surveillance (j) – Lead 1926.62 & (l) – Cadmium 1926.1127 – Hex. Chromium (VI) 1910.1026

Employees have been provided initial medical surveillance in the form of biological monitoring. A medical surveillance program will be initiated if required by provisions of paragraph (j) (l) (ii) or (j) (2), 29 CFR 1926.62 Lead, or 29 CFR 1926.1127 paragraph (l) (1) (i) (A) & (B), or 29 CFR 1910.1026 (k).

Medical Removal Protection (k) – Lead 1926.62 & (l) – Cadmium 1926.1127 – Hex. Chromium 1910.1026

Medical removal protection will be provided if required by provisions of paragraph (k) – 1926.62 – Lead, or paragraph (l) (ii) – 1926.1127 – Cadmium, Hex. Chromium (VI) 1910.1026.

Employee information and training (l) – Lead 1926.62 & (m) – Cadmium 1926.1127 – Hex. Chromium 1910.1026

All employees have been provided training in accordance with *20 CFR 1926.59 (HAZCOM)*, and training required by paragraphs (l) (1), (2), & (3) – Lead 1926.62, and paragraphs (m) (1) and (4) – Cadmium 1926.1127, and applicable sections of Hex. Chromium (V) 1910.1026.

Signs (m) – Lead 1926.62 & (m) – Cadmium 1926.1127 - Hex. Chromium 1910.1026

Warning signs required by paragraphs (m) (1) & (2) – Lead 1926.62, and (m) (1) and (2) (i) (ii) and (iii) – Cadmium – 1926.1127 – and applicable sections of Hex. Chromium 1910.1026 will be posted.

Recordkeeping (n) – Lead 1926.62 & (n) – Cadmium 1926.1127 – Hex. Chromium (VI) 1910.1026 (m)(1)

The Company will establish and maintain accurate records as required by paragraph (n) – Lead 1926.62, and (n) – Cadmium – 1926.1127 – Hex. Chromium (VI) 1910.1026 (m).

**8.4. Report on Technology to Meet Regulatory Requirements**

Maintain training programs, respiratory protection program, & medical surveillance & biological monitoring.

**(A.) AIR MONITORING DATA**

Attached to this plan as results are obtained, if applicable

**(B.) PROJECT SCHEDULE FOR IMPLEMENTATION**

**(C.) WORK PRACTICES PROGRAM** (indicate work plan details that are affected by this plan)

**(D.) WORK CLOTHING AND EQUIPMENT**

- disposable coveralls including hood and boot covers
- gloves
- hard hats
- eye protection
- work boots
- reflective vest
- HEPA vacuums
- HEPA Air Filtration Devices (AFD)
- Needle gun and Roto-peen

**(H) HOUSEKEEPING:** (Indicate / list specific additional housekeeping practices to be implemented)

**(I) HYGIENE FACILITIES:** Food, beverage, tobacco products or cosmetics are not permitted to be present or consumed in the work area.

The following facilities will be employed:

- change area
- showers
- eating facilities       remote
- hand washing       remote

Employees will be required to wash hands and face upon leaving work area.

**8.5. Lead, Cadmium, and/or Hexavalent Chromium Exposure Above PEL**

**Where employees are exposed to lead / cadmium / hexavalent chromium above the PEL, the following procedures are required:**

1. Change into work clothing and shoe covers in the clean section of the designated changing areas.
2. Use work garments of appropriate protective gear, including respirators before entering the work area; and
3. Store any clothing not worn under protective clothing in the designated changing area.

Workers should follow these procedures upon leaving the work area:

1. HEPA vacuum heavily contaminated protective work clothing while it is still being worn. At no time may lead/cadmium be removed from protective clothing by any means which result in uncontrolled dispersal of lead/cadmium into the air;
2. Remove shoe covers and leave them in the work area;
3. Remove protective clothing and gear in the dirty area of the designated changing area. Remove protective coveralls by carefully rolling down the garment to reduce exposure to dust.
4. Remove respirators last; and
5. Wash hands and face.

Workers should follow these procedures upon finishing work for the day (in addition to procedures described above):

Where applicable, place disposal coveralls and shoe covers with the abatement waste;

Contaminated clothing which is to be cleaned, laundered or disposed of, must be placed in closed containers in the change room.

Clean protective gear, including respirators, according to standard procedures;

4. Wash hands and face again. If showers are available, take a shower and wash hair. If shower facilities are not available at the work site, shower immediately at home and wash hair.

#### **8.6. Administrative Control Schedule**

(provide personnel rotation / scheduling, if applicable)

#### **8.7. Multi-Employer Sites**

(list other employers on site that may be affected by our operations)

#### **8.8. Other Relevant Information**

Inspections (e) (2) (iii) – Lead 1926.62 & – Cadmium 1926.1127 – Hex. Chromium (VI) 1910.1026:

The work site may be inspected by Project Manager, who has completed supervisory training under 29 CFR 1910.120.

Availability (e) (2) (iv) – Lead 1926.62:

This written plan is available at the work site and is available as required by (e) (2) (iv) – Lead 1926.62

Revisions (e) (2) (v) – Lead 1926.62:

This is a short duration project not requiring six-month program revision.

## **9. Spill Prevention Plan**

### **9.1. Introduction**

This Spill Prevention Control and Countermeasure Plan ("SPCC") establishes procedures, methods, equipment, and other requirements for equipment to prevent the release of regulated substances to the environment during the execution and transportation phase of the project. The purpose of this plan is to implement, maintain, supervise and define measures for a proper spill control strategy and counter measures to be taken in case a spill does occur. This plan provides contingency measures and designated protocols to be followed at site in the event of spill(s). These potential spills can be expected to be encountered within the site boundaries while performing demolition activities or handling debris, and or Salvageable materials during various steps of demolition and recycling activities, and/or, during transportation from the subject site to the approved treatment/disposal facility. Potential spills or discharges of concern during site operations are spills of debris and/or fuel or other fluids from construction vehicles. Specific areas to be protected from any spills or discharges include the work zone and its proximate area. This specific SPCC plan may not be construed upon as a replacement to the Owner/Operator SPCC plan of the subject property that may be required by various operational regulatory requirements set forth by the Environmental Protection Agency in conjunction with the local regulatory agencies.

### **9.2. Emergency Spill Response**

In an emergency spill situation resulting from handling and/or transportation of any material, actions will be taken on priority basis to assess and remediate the environmental impact of the incident. The risk assessment associated with any such incident will encompass the immediate surroundings including any surface or groundwater body with a likelihood of being impacted. Measures will be adopted to evaluate the occurrence and institute mechanism to prevent repetition.

Industry standard means of emergency response including absorbent pads and containment devices will be deployed to limit the impact of the incident from propagating. Once the spill is contained, the assessment of the proper clean-up procedures in compliance with the federal, state, and local regulations will be conducted and implements.

This plan should be read and understood by all personnel on site. Contractors and sub-contractors shall be made aware of the emergency response procedures to be followed as regards the persons to contact and agencies to be informed first hand in the event of an incident.

### **9.3. Spill Reporting**

Following a spill, Adamo will immediately contact the Ginosko Development Company who will make any required notifications to regulatory agencies. If the Ginosko Development Company is not available, Adamo will proceed with any notification required by Federal, State, or Local laws and regulations, an emergency response report will be immediately forwarded to the attention of Owner and the concerned regulatory agency to report the incident. This report will entail the instant remedial measures exercised as emergency response and a proposed work plan outlining the follow-up to the incident. Ginosko

Development Company will be notified of all spill incidents regardless of size. Contact Numbers are listed at the beginning of this document.

#### **9.4. Spills on Site**

This section relates to the spill(s) occurring on the construction site within the contract limits. In this event, the above described emergency response measures will be followed, and the site personnel will:

Inform their supervisor immediately;

Locate the source of the spillage and stop the flow if it can be done safely; and,

Begin containment and recovery of the spilled material immediately.

##### **9.4.1 Spill Prevention Facilities on site:**

Throughout the execution phase of sludge handling and transportation, following supplies shall be stored and maintained on site.

##### **9.4.1.1 Spill Mitigation Equipment:**

- First aid kit
- Mobile telephone
- Two-way radios
- Over-packs and Sorbents to contain spills
- Spill kits
- Berm materials
- ABC Fire Extinguishers

##### **9.4.1.2 Personnel Protection Equipment:**

- Tyvek Coveralls;
- PVC Coveralls with Hoods;
- Impermeable Gloves and Boot Covers;
- Chemical (Barricade) Suits.

##### **9.4.2 Spill Emergency Contact Personnel:**

- Emergency Response division of Michigan Department of Environmental Quality (MDEQ)
- Michigan State Police (Fire Marshal Division)
- Owner's Representative
- Project Environmental Coordinator
- Project Engineer

For spills occurring on site after normal working hours (7:00 am – 4:00 pm, Monday through Friday) and the Ginosko Development Company Representative cannot be reached, then, he will be notified the following work day. Nevertheless, the two agencies involved will be reported by using their 24-hour incident reporting hot lines.

### **9.5. Spill Report Contents**

When reporting a spill on the site the following information will be gathered and forwarded:

- A. Exact location of the spill;
- B. Name of Owner/Generator;
- C. Description of the material spilled;
- D. Estimated quantity;
- E. Source of spill;
- F. Cause of spill;
- G. Actions taken to minimize the effects of spill; and,
- H. Injuries involved, if any.

### **9.6. Spills off The Site**

Off the site, the Contractor will report spill related project activities to the Ginosko Development Company Representative immediately following discovery and will also comply with applicable state regulation requirements. Contacts will be made with local authorities prior to project startup to alert them to potential emergencies and associated hazards, to assure their abilities to assist in emergencies, and to establish contacts.

Response time for local emergency personnel is estimated at approximately 5 to 10 minutes. Time required for ambulance arrival is estimated at approximately 10 to 15 minutes. Time required for a fire truck to arrive on-site is approximately 5 to 10 minutes.

A written follow-up will be submitted to the Ginosko Development Company Representative not later than seven (7) days after the initial report. The written report will be in narrative form and will contain the following information as a minimum:

- Name of Owner/Generator;
- Description of the material spilled (including the identity, quantity, and manifest number);
- Exact time and location of spill (including description of the area);
- Estimated quantity;
- Source of spill;
- Actions taken to minimize effects of spill; and,
- Injuries involved, if any.

#### **9.6.1 Prevention of Off-Site Spills:**

In order to prevent an offsite spill incident, it is recommended that a strict transport vehicles check out protocol be observed. All transportation vehicles hauling the material from construction site to the disposal facility should be thoroughly inspected before leaving the site. While conducting these inspections the following points should be checked:

- Ensure that the tailgates of carrier are secured tightly;
- Observe the condition of the safety latches to be free of rust and obvious signs of metal wear due to fatigue caused by extended usage;

Make sure that the inner side of the carrier compartment is tarped to prevent leakage, also, check the impervious lining material to be free from any cuts or holes before the start of material loading.

### **9.7. Precautions**

Unless fully qualified and trained to respond, the personnel are advised not to make any attempt to contain or mitigate a spill situation. While the response efforts are in progress care should be exercised to proceed with the response in the most effective way rather than the quickest or easiest way. In selecting one response strategy over the other due consideration should be given to the following factors:

Physical State of the Substance;  
Quantity, Rate, and Method of Release;  
Wind Speed and Direction; and,  
Local Topography

## **10. Fugitive Dust Control Plan**

### **10.1. References and Applicability:**

#### **10.1.1 References**

The following regulatory reference was consulted in the development of this control document:

29 CFR 1926, Michigan Act 451 of 1994, as amended, Article II, Chapter 1, Rule 336, 1372 Sub rule (8).

#### **10.1.2 Applicability**

29CFR 1926.55 Gases, vapors, fumes, dusts, and mists.

Effective March 30, 1995, Michigan Public Act 451 of 1994 requires that persons responsible for fugitive dust sources shall not allow the emissions of fugitive dust from any road, lot or storage pile in excess of certain opacity limits.

### **10.2. Site Description:**

Lafayette West – Old Shapiro Hall Demolition and Abatement Project located at  
1401 Rivard St., Detroit, MI.

All above grade structures and their contents and basements will be entirely removed. Our work efforts will be restricted to the general vicinity of the structure being removed

### **10.3. Nature and Type of Activity**

The objective of this plan is to ensure that fugitive dust emissions resulting from demolition activities are minimized or eliminated. Materials resulting from the demolition will be managed in accordance with applicable regulations. Three



material management methods will be employed, in the order of priority; onsite recycling (backfilling), offsite recycling and offsite disposal.

#### **10.4. Best Management Practices and Controls**

##### **10.4.1 Demolition**

10.4.1.1 Adamo shall verify that all hazardous materials have been removed from the structure.

10.4.1.2 Adamo's Project Superintendent will monitor visually, during all operational hours, the generation of fugitive dust from the demolition process. It is the intent of the plan to minimize the possibility of an excessive fugitive dust plume or cloud to cross the site property lines. If a concern is received by any member of the demolition team concerning fugitive dust emissions, the process causing the concern shall be halted immediately until the issue is investigated and a satisfactory resolution can be implemented. It shall also be the responsibility of Ginosko Development Company representative to monitor the operations for excessive fugitive dust at least daily and indicate such observations on their daily log. Should circumstances arise or problems develop which would be beyond the expertise of the Ginosko Development Company representative, that person will call upon an Industrial Hygienist to assist in problem solving.

10.4.1.3 Upon commencement of demolition we will utilize water to dampen the areas where mechanical demolition activities take place. These activities and the dampening of these work areas will continue during the entire duration of the project.

Water atomizers are used to maximize the effectiveness of the water spray being applied. The Dust Boss machine exact locations are established with consideration of the prevailing winds, to maximize the effectiveness of the spray.

We may choose to utilize one (1) Dust Boss during the debris load-out operation. The amount of dust suppressant will vary based upon the specific activities being performed. If required, the water utilization shall be in sufficient quantities to control dust but not to create puddling or water migration or runoff. In all references throughout this document, water will be defined to include any other suppressant compound approved by Ginosko Development Company.

10.4.1.4 The transfer of materials from the point of demolition to the debris staging area shall be performed in a way to avoid multiple handling of the debris material.

10.4.1.5 **Silica Exposure Control Pan** – Attached to this document

#### **10.4.2 Debris Piled, Processing and Handling**

10.4.2.1 The processing of construction/demolition debris material (processing, sorting or sizing) shall be in such a way as to minimize the generation of a plume or dust cloud of fugitive dust emissions. Equipment should be in good operating condition with all points for fugitive dust escape covered or physically blocked in as much as possible. Material entry and exit points shall be monitored continuously as appropriate. Measures shall always be taken to prevent the formation of any excessive dust conditions. This project will not require the implementation of portable crushing equipment.

10.4.2.2 The surface of the debris pile shall be wetted using water as needed, to prevent fugitive dust but not to create puddling or water migration or runoff. Additionally, Adamo's Project Superintendent will visually monitor the debris pile during all operating hours for fugitive dust emissions. In the event fugitive dust emissions are observed, the debris pile will be wetted immediately.

10.4.2.3 The debris pile(s) shall be situated in such a manner or control measures implemented to prevent the airborne transport of materials. Should inclement weather be expected the volume of material placed in the debris pile shall be kept to a minimum. Other methods shall be employed if necessary, to control airborne particulate such as the application of water, screens or tarpaulins properly secured.

10.4.2.4 The quantity of debris piles should be kept to a minimum as practicable.

10.4.2.5 The application of water shall not be at a rate that causes debris or soil to wash into any traffic pattern access areas, waterways or catch basins. If a debris pile is located next to a catch basin, the catch basin shall be closed or protected.

10.4.2.6 Prior to each application of water to the debris pile, all spilled debris materials shall be returned to the debris pile.

#### **10.4.3 Transportation**

10.4.3.1 All trucks transporting debris shall be completely covered with tarpaulins.

10.4.3.2 Trucks shall be loaded so that no part of the debris contacting any sideboard, side panel or rear panel comes within six (6) inches of the top of the enclosure.

10.4.3.3 Residue shall be cleaned from the inside of the truck after emptying. If residue has not been substantially removed after emptying the truck of material, tarpaulins shall be placed in the bed of the truck to cover the remaining material.

- 10.4.3.4 The engine exhaust gases that are generated by the equipment used to load/unload and transport materials shall be directed upward whenever possible.
- 10.4.3.5 The drop distance of the material onto the pile, truck, process, etc., shall not exceed six (6) feet.
- 10.4.3.6 Truck speeds within the facilities traffic pattern access routes and surrounding piles should not exceed 5 miles per hour.
- 10.4.3.7 All equipment transporting material shall be maintained in such a way to prevent leakage and spillage. Adamo shall be responsible to ensure that the operator/driver of each vehicle maintains adequate and proper measures to minimize material losses while in transit.

#### **10.4.4 Traffic Patterns**

10.4.4.1 The designated transportation route on the site for the demolition project shall be established with Ginosko Development Company during the entire project. Adamo's Project Superintendent will monitor visually the routes for excess fugitive dust emissions at all operational hours. In the event fugitive dust emissions are observed, routes will be monitored.

10.4.4.2 Unpaved areas will be used as a traffic route during debris stockpiling and removal activities. The surface of each unpaved traffic pattern access area will be evaluated for wetting using water as needed. Adamo's Project Superintendent will monitor visually truck traffic access routes in the unpaved areas for excess fugitive emissions at all operation hours. In the event excess fugitive dust emissions are observed, the routes are to be wetted immediately.

10.4.4.3 Special consideration shall be given to public thoroughfares. Adamo will work with Ginosko Development Company to mitigate from the public roadway excessive accumulations or fugitive dust or soil resulting from truck tires. Wheels, undercarriage and side boards of the trucks will be continuously checked for excess material accumulation to prevent track out of soils from the storage area to adjacent streets.

10.4.4.4 Off-road surfaces where trucks may have access to shall be maintained in a manner to allow unrestricted truck flow. These surfaces will be maintained in such a way as to minimized fugitive dust.

#### **10.4.5 Soil Stockpiles**

NA

### **10.5. Special Conditions**

The frequency of applying water may be reduced if precipitation events occur or debris piles are frozen, or snow covered providing excess fugitive emissions are not observed. Water application may be suspended if precipitation exceeds .01". Demolition activity,

which will create excess fugitive dust in temperatures below freezing, will employ a mixture of water and/or other suppressant agents approved by Ginosko Development Company prior to use.

#### **10.6 Plan Location**

A copy of this plan shall always be maintained on site.

### **11. Asbestos Containing Material (ACM) Removal and Handling Plan**

**We do NOT anticipate encountering RACM on the project.**

### **12. Removal, Handling and Consolidation of Waste Materials Plan**

The purpose of this plan is to outline the procedures and sequencing for removing, consolidating and handling waste materials.

#### **12.1. Segregation and Consolidation:**

Segregating the different types of material during the demolition is the priority. This begins when the demolition machine "bites" a section of the building and lowers it down. After the large machine has lowered that section of building, we will begin picking through the debris sorting the ferrous and non-ferrous metals from concrete debris.

#### **12.2. On-Site Stockpiles and Staging Areas**

Building debris will be sorted and categorized as detailed above. Stockpile and staging areas will be directly adjacent to their respective origination remaining in the exclusion zone. The sequence of operations will minimize the need for long term stockpiling of materials.

Access to stockpiles will be provided and maintained. Surface water will be directed away from the stockpile to prevent erosion. Soil erosion and sediment control measures will be in place, if necessary. Stockpiles will not exceed a height of 25 feet.

#### **12.3. Sequencing and Scheduling: Removal of Waste Materials**

The removal of stockpiled waste materials will be an ongoing process from the initial site cleanup to the final cleaning. All temporary stockpiles will be the loading point for transport to appropriate disposal facilities.

#### **12.4. Contaminant Tracking and Cross-Contamination**

Temporary stockpiles and staging areas will be developed to prevent contact between clean and contaminated materials. Stockpiles will be level, well drained, free of foreign materials, and of adequate bearing capacity to support the weight of materials to be placed thereon. Stockpile areas for contaminated materials will have polyethylene sheeting in place to provide separation of the stockpile material and other materials and/or structures.

### **13. Loading, Off-Site Transportation and Disposal Plan**

The purpose of this plan is to outline the procedures for loading, off-site transportation and disposal of:

- Non-Hazardous solid materials of various types
- Salvageable metal and equipment
- Non-hazardous wastewater

All ingress and egress at the site will take place through at the entrance road off Rivard Street to insure all material leaving the site has been properly loaded and manifested as required.

#### **13.1. Non-Hazardous Solid Materials**

All non-hazardous solid materials will be stockpiled until loading for removal from the site. Adamo will load these materials into approved containers for transportation off-site. If required each load will be tarped prior to leaving the site to minimize the possibility of fugitive dust. A shipping ticket will be prepared for each load leaving the site. Non-hazardous solid materials will be transported to a landfill for disposal.

#### **13.2. Salvageable Metal and Equipment**

Salvageable metal and equipment, which has been sorted, will be stockpiled until loading for removal from the site. Adamo will load the metal or equipment into roll-off boxes or other suitable containers for transportation offsite. Salvageable metal and equipment loads will not be tarped as there is no risk of fugitive dust from this type of material. A shipping ticket will be prepared for each load leaving the site. Salvageable metal and equipment will be shipped to a recycling facility.

#### **13.3. Asbestos Containing Materials (ACM)**

We do not anticipate requiring the removal of Regulated Asbestos Containing Materials (RACM) from the jobsite.

#### **13.4. PCB Materials**

We do not anticipate requiring the removal of PCB Materials from the jobsite.

#### **13.5. Non-hazardous wastewater**

We do not anticipate removal of non-hazardous waste water.

#### **13.6. Schedule for Transportation.**

All loads of waste material or scrap salvage will be leaving the site ½ hour before their respective destination opens and 1 hour prior to their closing Monday through Friday.

\* Note all transportation hours will be within the guidelines of any city ordinances for noise.

#### **13.7. Submittals**

Copies of all load manifests and weight tickets from Adamo and the disposal facility will be submitted to the Ginosko Development Company upon completion of the project.

### **13.8. Contingency Spill or Emergency Plan**

See Section 9 of this HSOP for the Spill Prevention Control and Countermeasure Plan.

### **13.9. Transportation**

The transportation of all non-hazardous solid materials for disposal will be by Adamo Group and or designated material transporters.

## **14. Chemical, Waste Line and Process Line Cleaning and Draining Plan**

**NA**

## **15. Lighting, Luminescent Sign, Fluorescent Light Ballast and Battery Powered Emergency Lighting Removal Plan**

We do not anticipate removal of lighting, luminescent signs, fluorescent light ballasts or batteries on this project.

The purpose of this plan is to outline the procedures for the lighting, luminescent sign, fluorescent light ballast, and battery powered emergency lighting removal should we encountered these unexpected materials during demolition.

### **15.1. Regulatory Requirements**

We will conform to procedures applicable when hazardous or contaminated materials are present, including but not limited to, USEPA, Michigan EPA and OSHA requirements.

### **15.2. Environmental Requirements**

We will maintain spill containment controls set forth in 40 CFR 761.65 pending disposal.

### **15.3. Sequencing and Scheduling**

Owners will Submit Notification of PCB Waste Activity Form to USEPA 7 days prior to initiating PCB material transport for disposal.

### **15.4. Preparation**

We will identify date of removal on drum and comply with all other marking requirements as set forth in 40 CFR 761.40, as applicable and conduct operations with minimum interference to public or private accesses. Always Maintain egress and access.

### **15.5. Lighting Removal**

We do not anticipate removal of any lighting fixtures. If encountered, we will notify the appropriate personnel.

### **15.6. Luminescent Sign Removal**

We do not anticipate removal of any luminescent signs. If encountered, we will notify the appropriate personnel.

**15.7. Fluorescent Light Ballasts Removal**

We do not anticipate removal of any fluorescent lighting. If encountered, we will notify the appropriate personnel.

**15.8. Battery Powered Emergency Lighting Removal**

We do not anticipate removal of any battery powered lighting. If encountered, we will notify the appropriate personnel.

**15.9. Waste Profiling**

All waste profiling will be performed by the Environmental Contractor.

**15.10. Close out Submittals**

We do not anticipate any closeout submittals being required for lighting, luminescent, fluorescent or battery materials.

**15.11. Salvage Items**

Any non-hazardous lighting items which are scheduled to be salvaged will become part of the salvaged site materials.

**16. Transformer Draining/Decontamination Plan**

We do not anticipate draining, decontamination or removal of any transformers for this project.

**17. Equipment Cleaning and Draining Plan**

We do not anticipate and equipment cleaning or draining for this project.

**18. Cleaning of Pits, Trenches and Sumps Work Plan**

We do not anticipate any cleaning of pits, trenches or sumps for this project.

**19. Underground Piping Abandonment Plan**

We do not anticipate any abandonment of any underground piping as part of the Lafayette Hall – Old Shapiro Hall Site Demolition Project.

The purpose of this plan is to outline the procedures for underground piping abandonment, which includes:

- Plugging sanitary sewer piping at connections to the public sewer
- Cutting and grouting building downspouts and sewers
- Removal of disconnected electrical feed
- Abandonment of the water and natural gas service

**19.1. Plug Sewers**

- A. This work will follow the sequence as describe in the documents.
- B. Adamo will notify local utilities as required prior to commencing this activity.
- C. Sewers will be plugged from the site to the connection to the public sewer with low strength concrete.
- D. Any excavation created will be backfilled.
- E. The structural integrity and capacity of the public sewer will always be protected.

**19.2. Remove the Electrical Feed**

- A. This work will not be required for this project.

**19.3. Abandon Water and Natural Gas Lines in Place**

- A. Natural gas has been disconnected by Utility Company and the meter has been removed.
- B. The water lines have been disconnected per the specifications.

**20. Confined Space Action and Procedure Plan**

We do not anticipate any Confined Space work as part of this project.

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## **21. CELL PHONE POLICY**

### **21.1 TELEPHONE AND CELL PHONE POLICY**

This policy outlines the use of personal cell phones at work, the personal use of business cell phones and the safe use of cell phones by employees while driving or operating equipment.

### **21.2 TELEPHONES AND PERSONAL CELL PHONES**

While at work employees must exercise the same discretion in using personal cell phones as they do for the use of company phones. Personal calls during work hours, regardless of the phone used, can interfere with an employee's SAFETY and productivity and may be distracting to others. Personal cell phones are not to be carried on the job without specific permission from management.

Project Managers, during the project set-up with Superintendents, will determine whether the use of cell phones is required, on a project-by-project basis. This determination will be implemented on each project by the Superintendent. If an employee informs their supervisor of the need to carry a phone on a project where the practice is prohibited, the Superintendent will discuss the need with the Project Manager.

Permission for use will be granted/ denied on a case-by-case basis. All employees are asked to make personal calls during breaks and meal periods and to ensure that friends and family members are aware of this policy. The company will not be liable for the loss of personal cell phones brought into the workplace. Employees are not authorized to use personal cell phones in place of company provided cell phones and radios.

*In the event of a personal emergency, an employee's family can contact the main office at (313)892-7330; a call will then be placed to the employee's supervisor to inform the employee of the receipt of the call.*

### **21.3 PERSONAL USE OF COMPANY-PROVIDED CELL PHONES, AND RADIOS**

Where job or business needs demand immediate employee access, a business cell phone, or two-way radio may be issued. For business and tax reasons the personal use of such equipment is not permitted. Phone records may be audited for compliance. If an employee experiences a personal emergency that requires use of the business cell phone, they are required to report this to their supervisor.

Failure to report such use may result in disciplinary action up to and including termination. Employees in possession of Company equipment such as cell phones, and radios are expected to protect the equipment from loss, damage or theft. Upon resignation or termination of employment, or at any time upon request, the employee must return the equipment.

### **21.4 CELL PHONES AND DRIVING / OPERATING**

Employees whose job responsibilities include driving or operating construction equipment and who must use a cell phone for business purposes are expected to refrain from using their phone

while driving and/or operating equipment. Allow voice mail or your passenger to handle calls when possible. Safety must come before all other concerns. Regardless of the circumstances, including slow or stopped traffic, employees are strongly encouraged to pull off to the side of the road and safely stop the vehicle before placing or accepting a call.

**21.4.1 If acceptance of a call is unavoidable and pulling over is not a safe option:**

- Use hands-free devices;
- Use the voice-activated or "speed dial" feature;
- Keep the call short;
- Do not take notes, text message or e-mail while driving;
- Refrain from discussion of complicated or emotional issues; and,
- Keep eyes and attention on the road and both hands free to operate the vehicle.

**21.4.2 Special care should be taken in situations:**

- When there is moderate to heavy traffic;
- Inclement weather; or,
- Driving in an unfamiliar area.

In situations where employees drive and accept phone calls, state law, as well as this policy, requires the use of "hands-free" equipment. Under no circumstances are employees allowed to place themselves at risk to fulfill business needs. Employees who are charged with traffic violations resulting from the use of their phone while driving will be solely responsible for all liabilities that result from such actions. Violations of this policy will be subject to discipline, including termination.

***THERE WILL BE ABSOLUTELY NO TEXTING WHILE MACHINES OR VEHICLES ARE IN OPERATION.***

**21.5 Special Circumstance Usage**

In certain situations, it will be at the discretion of the Superintendent and Supervision to authorize employees to carry personal cell phones. Example; if you are working after hours or if it is needed for personal safety.

**21.6 Special Responsibilities for Managerial Staff**

As with any policy, management staff is expected to serve as role models for proper compliance with the provisions above and are encouraged to regularly remind employees of their responsibilities in complying with this policy.