

ap<sup>TM</sup>  
durapax

Disposal  
Bags  
for asbestos  
abatement

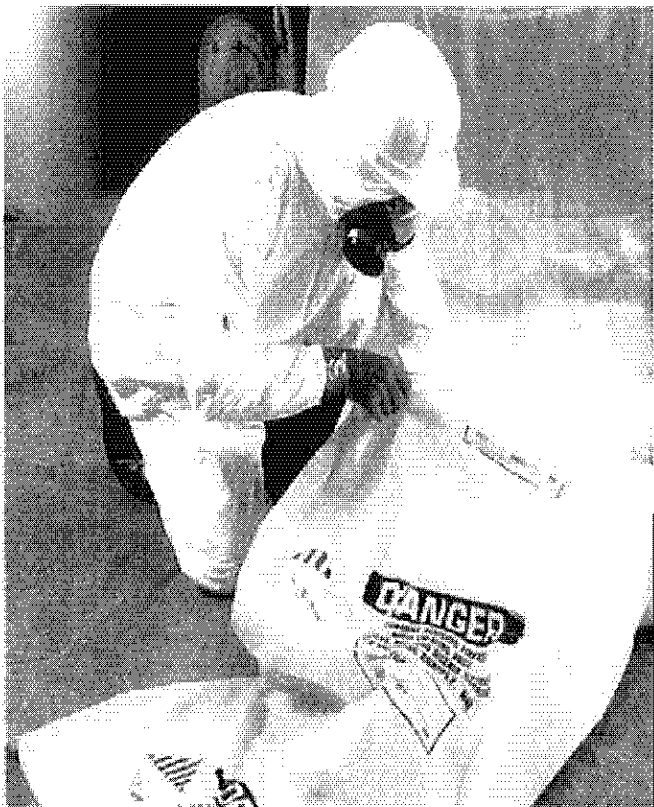


Grayling<sup>TM</sup>

**d.**<sup>TM</sup>  
**durapax**

## **Disposal Bags for asbestos abatement**

Grayling Industries' Durapax is a full line of industrial strength disposal bags for asbestos and other waste. Available in a variety of sizes, thickness, colors and printing. Bags are packaged on a roll and perforated for dispensing ease. In flat or gusset form, depending on bag size. Durapax disposal bags are extruded from resins that have exceptional strength, tear and puncture resistance for the most demanding waste disposal applications.



**durapax**  
disposal bags are available  
standard in clear, yellow and  
black, with and without  
printing, in sizes from 30"x40"  
to 60"x72".

Other sizes, gauges, printing  
and color combinations are  
available as special order,  
please contact your authorized  
Grayling distributor for more  
information.



**Available in these stock sizes-**

Description	Size	Part Number	Count	Weight
Clear/Printed	30" X 40"	02213040	100	30
Clear/Unprinted	30" X 40"	02203040	100	30
Clear/Printed	30" X 40" X 6mil	022130406	75	36
Clear/Printed	33" X 50"	02213350	100	41
Clear/Unprinted	33" X 50"	02203350	100	41
Clear/Printed	33" X 50" X 6mil	022133506	75	49
Clear/Unprinted	33" X 50" X 6mil	022033506	75	49
Clear/Printed	38" X 63"	02213863	75	45
Clear/Unprinted	38" X 63"	02203863	75	45
Clear/Printed	38" X 63" X 6mil	022138636	50	48
Clear/Unprinted	38" X 63" X 6mil	022038636	50	48
Clear/Printed	60" X 72"	02216072	50	58
Black/Printed	30" X 40"	02113040	100	30
Black/Unprinted	30" X 40"	02103040	100	30
Black/Printed	30" X 40" X 6mil	021130406	75	36
Black/Printed	33" X 50"	02113350	100	41
Black/Printed	33" X 50" X 6mil	021133506	75	50
Black/Printed	36" X 60"	02113660	75	41
Black/Unprinted	36" X 60"	02103660	75	41
Black/Printed	36" X 60" X 6mil	021136606	50	43
Black/Unprinted	36" X 60" X 6mil	021036606	50	43
Yellow/Printed	33" X 50" X 6mil	023133506	75	50

Other sizes, case quantities and mil gauges are available. 150 case minimum order quantity for special order bags.

FOR YOUR LOCAL DISTRIBUTOR  
**CALL 800-635-1551**



Grayling Industries, Inc.  
 1006 Branch Drive

## **Section 10**

### **Project Notifications**

**ODH and OEPA Notifications shall be submitted prior job startup.**

## **Section 11**

### **Clearance Sampling Plan**



# RCS Environmental Group, Ltd.

2812 Shakercrest Blvd.  
Beachwood, Ohio 44122

Phone (216) 378-0997  
FAX (216) 464-6290

**Precision Environmental Company**  
5500 Old Brecksville Road  
Independence, Ohio 44131

July 14, 2011

Attn: **Mr. Marc Garland, CSP**  
Safety Director

RE: **Cleveland Trencher**  
Euclid, Ohio  
Asbestos Sampling Plan (ASP)

Dear Mr. Garland,

**RCS Environmental Group, Ltd. (RCS Environmental)** is pleased to provide our Asbestos Sampling Plan in conjunction with the project at the Cleveland Trencher in Euclid, Ohio.

The following is an Asbestos Sampling Plan (ASP) guide for the abatement and cleanup activities being conducted at Cleveland Trencher located in Euclid Ohio. The ASP is the framework for conducting environmental monitoring during a complex asbestos abatement project.

The first step in developing an ASP is to determine the exposure pathways of potential receptor populations. It is important to consider multiple pathways, age and duration of exposure of said populations.

The site location is located in an industrial area with a significant portion of the buildings being vacant. Directly east southeast, is a large grassy/wooded area. No residential properties are located in the immediate area of the project work area. Based on visual inspections of field conditions the follow distinct receptor populations have been considered:

- Asbestos Workers
- Authorized Visitors to the Site
- Inspectors
- Down Wind Occupants of Industrial Buildings.

### Daily Perimeter Air Monitoring

Perimeter Air Monitoring will be conducted on a daily basis. One perimeter sample will be collected upwind from the days planned abatement work. In addition, one sample will be collected within the Support Zone of the project. The additional perimeter samples will be collected downwind as close to the day's work area as possible. The exact location of the perimeter sampling will be determined daily based on wind direction and planned abatement activities.

All perimeter sampling will be conducted using 25 millimeter mixed cellulose ester cassettes (MCE) with a pore size of 0.8 micrometers. Samples will be analyzed using the NIOSH Method 7400 Phase Contrast Microscopy (PCM) techniques.

Any PCM result greater than 0.005 fibers per square centimeter will be further analyzed using NIOSH Method 7402. The NIOSH 7400 Method uses an electron microscope for the specific determination of asbestos fibers and bundles. The NIOSH 7402 method uses the fiber counting rules of the NIOSH 7400 PCM method (PCMe), therefore a more direct correlation can be made between the two methods.

#### **Daily Personal Air Monitoring**

RCS Environmental will conduct personal air monitoring of the abatement contractor's personnel. Samples will be conducted on approximately 25% of the contractor's workforce. Personal samples will be collected using calibrated low flow pumps. Samples will be analyzed using the NIOSH 7400 PCM method. Samples will be collected in a manner consistent with OSHA regulations for determining a Permissible Exposure Limit (PEL) and a 30-minute excursion limit.

#### **Final Clearance Evaluation**

All work areas will be visually inspected by a certified Asbestos Hazard Evaluation Specialist. The inspection will be thorough and complete as to identify any remaining asbestos dust or debris.

At the completion of the final visual inspection, the abatement activities for that work area will be deemed complete.

#### **General**

All laboratory analysis will be conducted using certified laboratories (AHIA, NAVLAP, etc.) All sampling equipment will be calibrated daily in the field with a rotameter which has calibrated by a primary standard.

RCS Environmental will conduct asbestos abatement oversight of contractor's work practices using trained and Ohio Department of Health Certified Asbestos Evaluation and/or Abatement Specialists. Specifically, RCS Environmental will;

1. Collect from the contractor all required submittals including, abatement permits, worker training and certifications, contractor certifications, license, and work plans.
2. Inspect and determine compliance with applicable regulatory standards each major phase of the project including, construction of the decontamination facility, construction of the containment barriers, abatement work practices, daily visual inspections of the containment, and final visual inspections.
3. Monitor and inspect the handling and removal of asbestos waste including, proper packaging of ACM prior to transport, documentation of the amount and condition of the ACM generated, and the signing and collection of all waste manifests.



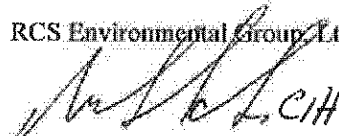


4. Document significant contractor work practices and activities in a daily project log, including contractors daily manpower, daily progression of the work, scope changes or modifications, and daily air monitoring results.

Should you have any questions regarding this Asbestos Sampling Plan, please feel free to contact me at (216) 378-0997. We look forward to the opportunity of working with you and Precision Environmental on this project.

Sincerely,

RCS Environmental Group, Ltd.



Michael Schmidt, CIH  
President



CERCLA 106(b) Petition

# EXHIBIT 66

**CLEVELAND TRENCHER**

**ASBESTOS ABATEMENT**  
**&**  
**HAZARDOUS/REGULATED CLEANUP**

**EUCLID, OHIO**

**HEALTH & SAFETY SUBMITTALS**

Submitted June 30, 2011  
Revised July 26, 2011

# HEALTH & SAFETY PLAN

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## **Section 1**

### **Site Specific Work Plan**

## **Site Specific Work Plan and Health and Safety Plan**

### **Asbestos Abatement and Hazardous/Regulated Waste Cleanup**

#### **Cleveland Trencher Euclid, OH**

**Scope of Work (Asbestos)** The project involves removal and disposal of asbestos-containing pipe insulation, hanging roof materials, debris piles, and decontamination of interior building structures, and exterior concrete slabs, located throughout the project site.

**Worker Training, Personnel Protection & Safety** All personnel working on this project will be as certified as an asbestos worker (including equipment operator) and/or an asbestos supervisors by the Ohio Department of Health and will have received the mandatory associated EPA training for each classification. Each worker shall also have 40-hour Hazardous Waste Operations Training (HAZWOPER). Each worker and supervisor is current in the required medical surveillance program. Each individual employee will be fit tested to ensure a proper fit of his or her respirator. Records of training, medical surveillance, and fit testing shall be kept on site and made available for inspection throughout the project.

All Precision Environmental personnel will be issued hard hats, work boots, and safety glasses to be worn at all times during the project. All personnel shall wear Tyvek suits, and, depending on the initial exposure assessments, half-mask respirators equipped with HEPA filters. All employees shall dispose of coveralls in dirty room, and shower and clean respirator prior to exiting the work area.

Ground Fault Circuit Interrupters (GFCI's) will be used according to 29 CFR 1926.404(b)(1)(ii).

In accordance with OSHA 29 CFR 1926.59, Hazard Communication, Precision Environmental Co. shall have on site a list of Hazardous chemicals to be used on site, a corresponding MSDS (Material Safety Data Sheet) for each chemical, and a copy of Precision Environmental's Written Hazard Communication Program.

**Permits & Notifications** Copies of all permits and notifications shall be forwarded to the owner's representative prior to commencing work.

**Air Monitoring** Precision shall collect all required OSHA personal air samples on 25% of the work force during asbestos abatement operations. A complete record of all personal air monitoring and results will be furnished to the owner's representative. Written reports of all air monitoring tests shall be posted at the job site or a central location on a regular basis.

***\*\*Note Perimeter air sampling plan by RCS Environmental attached in separate document***

**Asbestos Work Area Preparation & Removal Procedures** All work area preparation and removal procedures described herein shall be supervised by a Competent Person. HEPA vacuums shall be utilized for all work procedures to collect small particles/debris resulting from asbestos removal and/or decontamination operations. Prior to commencing all asbestos removal work, Precision Environmental Co. shall post asbestos warning signs and danger tape as required by OSHA's Asbestos Standard for the Construction Industry, 29 CFR 1926.1101.

*All asbestos-containing pipe insulation, to be removed per the specification's scope shall be removed using wet methods, and glovebag or wrap and cut methods. Pipe insulation shall be accessed with either aerial boom lifts or scissors lifts using appropriate personal fall protection.*

*All asbestos-containing debris piles, hanging roof materials, and building decontamination to be removed per the specification's scope shall be removed using wet methods. Debris piles including one inch of soil underneath (where debris is on soil) shall be removed with skid steer loaders. Non-porous surfaces i.e. concrete slab shall be washed and left on site. Hanging roof material shall be accessed with either aerial boom lifts or scissors lifts using appropriate personal fall protection. **All concrete slab surfaces shall be cleaned, washed, and cleared to no visible remaining gross debris.***

*\*\*Note - North end office building shall have all windows and doors sealed with polyethylene sheeting from the inside and the entrance boarded up.*

**Disposal** - All asbestos containing waste materials shall be double bagged in 6-mil asbestos bags, or double wrapped in 6-mil poly sheeting, or placed in double lined dumpsters, shall bear asbestos labeling, generator information and shall be transported by and to an EPA approved asbestos landfill. Waste shipment records shall be maintained and copies shall be submitted upon removal of asbestos waste from the project site, and after arrival at the landfill. All DOT regulations shall be strictly adhered to.

**Hazardous/Regulated Waste Removal** Based on previous analytical and project site knowledge there are numerous containerized and drummed paints, coatings, oils, cleaners. The site is overgrown with vegetation and has potential chemical contact and inhalation hazards. PPE will include hard-hat, work boots, chemical resistant gloves, tychem suits, and safety glasses. Should drums need to be opened personnel shall wear half face or full face air-purifying respirators with combination chemical cartridges.

**Characterization** Previous Analytical, Field observations and subsequent verification will be used to characterize and classify listed containers and complete appropriate TSD facility profiles. Information used for characterization includes generator knowledge, obvious odors, obvious labels, visual inspection of color and texture, pH, MSDS sheets, and previous analysis. Additional analysis (as necessary) to complete a full characterization will be completed prior to the commencement of work. Completed profiles will be presented to the owner for review and signature. Signed profiles will be submitted to TSD's for disposal approvals.

**Containerized Materials** A number of containers (including 2 or 3 small above ground storage tanks) have been identified for removal. These containers were found to contain oil, oily water, grease, non-hazardous solid grease, sodium hydroxide, paint/thinners (pumpable), and paint/thinners (solid). Some of this material will be considered hazardous waste under RCRA, based on its characteristics and/or composition.

Each container will be evaluated for structural integrity. If any container is not in DOT shippable condition, the container will be repaired (replace lid, ring, bung/s), consolidated, over packed or repackaged.

All containers will be collected in a staging area in preparation for transportation off-site. The facility shall also be walked to verify that any containers previously unidentified or overlooked are collected. Similar materials, especially oils, may be bulked together into the same drum to facilitate shipping. Empty containers from this process will be labeled in preparation for shipment to a drum or metal scrap recycler.

***Electrical Transformers*** Several pole-mounted electrical transformers have been identified on-site. These transformers have been identified as non- TSCA. These will be sent to a transformer recycler for appropriate handling. The recycler will verify the PCB levels prior to processing the transformers.

***Decontamination and Disposal*** Any hand tools and non-disposable PPE that may come in direct contact with hazardous waste will be washed, if necessary in the *Contamination Reduction Zone*, with a mild detergent and water then rinsed with clean water. All wash/rinse waters along with any clothes, brushes, and/or paper produces used for cleaning/drying will be collected in appropriate containers for disposal. All used disposable PPE will be collected and discarded into appropriate containers.

Each container will be properly labeled/marked as required and appropriate shipping papers, manifest, and I.D.R's will be prepared for each container. Containers will be loaded into licensed transportation vehicles and transported to TSD's for final disposal.

At the completion of the project, the client/representative shall receive copies of all relevant paperwork related to transportation and disposal.. Client will have the option to inspect the site and approve prior to contractor's demobilization.

### **Decontamination Zones/Center**

The objective of decontamination procedures is to minimize the risk of exposure to hazard substances by limiting the spread of contamination from the work area. Decontamination will be accomplished in accordance with 29 CFR 1910.120 and 29 CFR 1926.1101. The work area will be divided into 3 controlled zones. The zones will be known as the Exclusion Zone (contaminated zone), Contamination Reduction Zone or CRZ (decontamination zone), and the Support Zone (clean zone).

#### ***Exclusion (Hot) Zone (active work areas)***

The exclusion zone is the work area where actual abatement operations are taking place. The perimeter of the exclusion zone shall be demarcated. Access restricted to only those personnel who have received certified training and are wearing the proper level of protection. Entry and exit in the exclusion zone must be made through the CRZ.

#### ***Contamination Reduction (Warm) Zone (decon trailer north end inside fence)***

The purpose of the Contamination Reduction Zone (CRZ) is to limit the spread of contaminated material from the exclusion zone to the support zone. All equipment and PPE will be decontaminated in this area prior to entry into the support zone. This is effectively accomplished by the decontamination shower.

In compliance with 29 CFR 1926.1101 a three chambered personnel decontamination center shall be constructed at the entrance/exit of the work areas or a decon trailer provided. The personnel decontamination center shall consist of a clean room, shower and equipment room of sufficient size to accommodate the work crew as well as load-out activities.



### ***Support (Cold) Zone (north end outside fence)***

The support zone is the clean area outside the exclusion zone and the CRZ. No materials, tools, PPE, or personnel are permitted to enter this area without first passing through the CRZ.

### ***Equipment Decontamination***

Skid steer loaders, asbestos dumpsters, and other equipment that cannot be decontaminated through the personnel decontamination center shall be decontaminated prior to exiting or being removed from the work zones. This shall be done by rinsing the equipment over bermed polyethylene sheeting. All rinse water shall be collected and filtered prior to disposal.

### **Utilities**

Upon mobilization to the project site, Precision shall establish necessary utilities needed for performance of the work. Water shall be obtained from adjacent hydrant(s) or utilization of water tanks. All necessary electrical service shall be obtained utilizing portable generators.

### **Fall Protection**

Workers shall be properly trained in fall hazard recognition and in the use of all equipment that exposes an employee to a fall from height. Employees shall be trained in the use and inspection of personal fall protection. All workers will use personal fall protection in accordance with OSHA requirements when accessing unprotected surfaces. All employees shall be monitored for compliance by the competent person.

### **Housekeeping (work area safety)**

During the course of this project form and scrap lumber with protruding nails, and all other debris and rubble, shall be kept cleared from work areas, passageways, and stairs, in and around buildings or other structures. Employees shall be advised to the hazards of wet walking surfaces when performing gross asbestos and debris removal.

### **Poison Ivy-Related Plants**

Poison ivy, poison oak and poison sumac have poisonous sap (urushiol) in their roots, stems, leaves and fruits. The urushiol may be deposited on the skin by direct contact with the plant or by contact with contaminated objects, such as clothing, shoes, tools, and animals. Employees shall be advised to wear long-sleeved shirts and long pants, tucked into boots and wear cloth or leather gloves.

### **Insects and animals**

Workers shall be protected from biting and stinging insects, by wearing long pants, socks, and long-sleeved shirts. Insect repellents that contain DEET shall be available to employees.

Employees shall be instructed to avoid dead and live animals as they can spread diseases such as Rat Bite Fever and Rabies. Employees shall be instructed to wash hands regularly, and to get medical attention immediately if bitten/scratched.

## Heat Stress

Heat stress can be a serious health hazard for employees required to work while exposed to the sun or other heat sources. Supervisors and foremen should look continuously for symptoms and signs of heat stress-related disorders in employees.

### **Symptoms and Signs of Heat Stress**

<u>Disorder</u>	<u>Symptoms</u>	<u>Signs</u>
<b>Heat Exhaustion</b>	Weakness Fatigue Blurred vision Dizziness Headache	High pulse rate Extreme sweating Pale face Insecure gait Normal to slightly elevated temperature
<b>Heatstroke</b>	Chills Restlessness Irritability	Red face Hot dry skin (usual) Disorientation High temperature ( <sup>a</sup> 104F) Erratic behavior Shivering Collapse Convulsions Unconsciousness

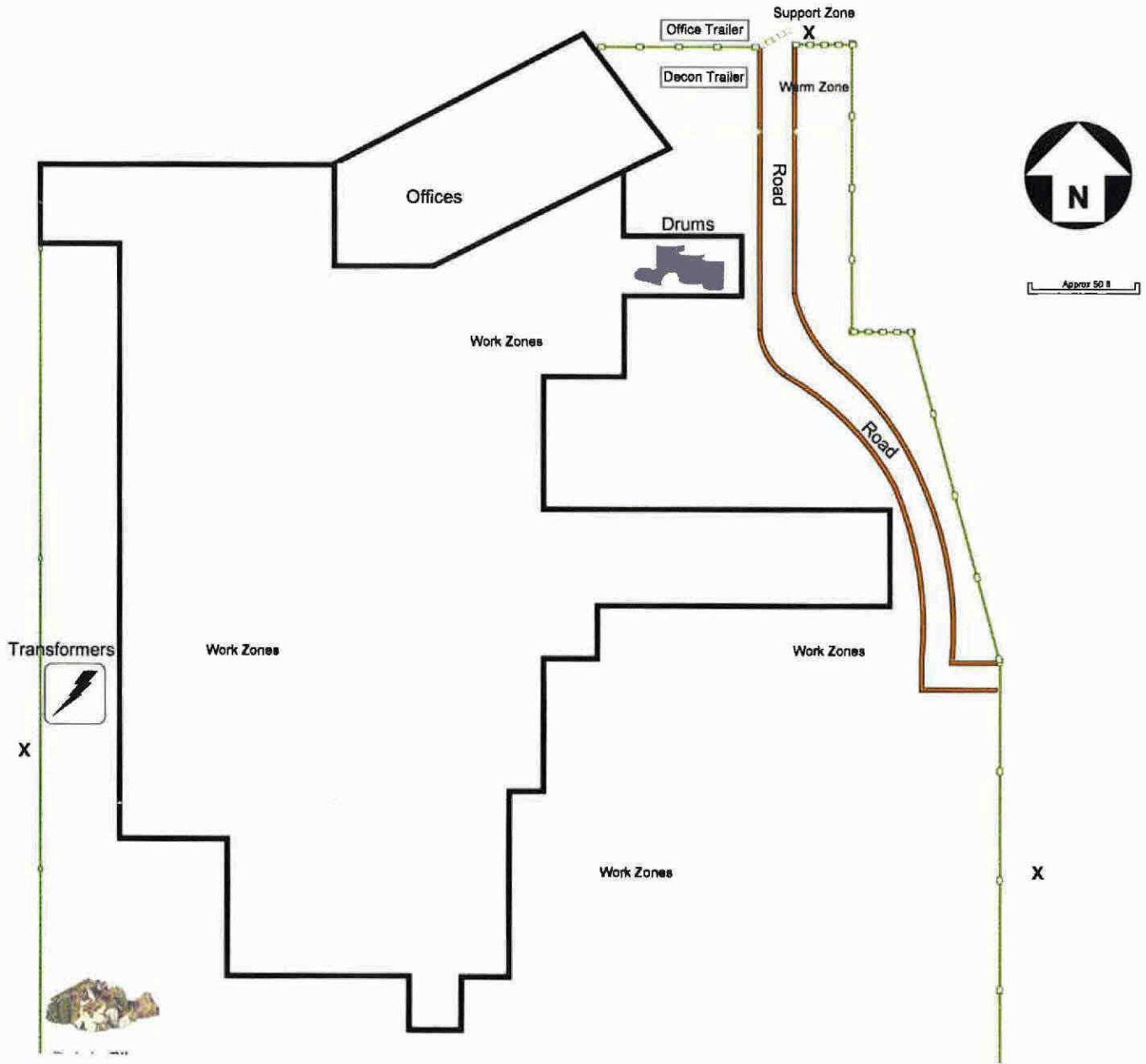
**Precision shall provide trained persons to render first aid as follows:**

1. To give first aid for heat exhaustion, lay the person down flat in a cool environment, loosen his or her clothing, and give him or her plenty of water to drink.
2. To give first aid for heat stroke, immediately start aggressive cooling of the person and get him or her to a hospital.

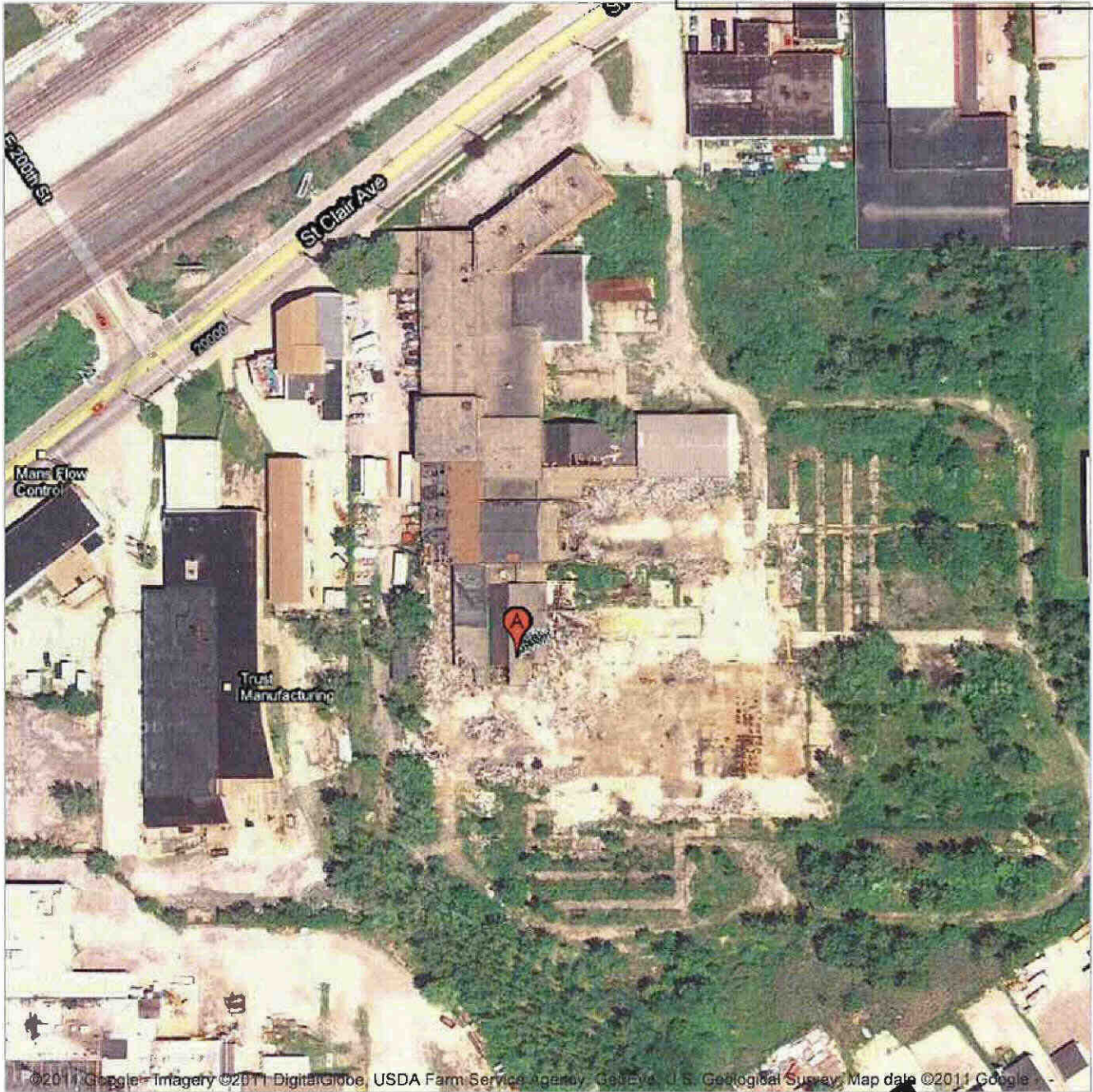
**Precision shall protect employees from heat stress by:**

1. Providing cool, potable water
2. Providing frequent cool-down breaks
3. Timing the heaviest work load for during the coolest part of the workday
4. Encouraging workers to drink water and to cool down
5. Looking for signs and symptoms of heat stress
6. Providing training on heat stress including prevention, recognition, and first aid

Cleveland Trencher  
20100 St. Clair  
Euclid, Ohio

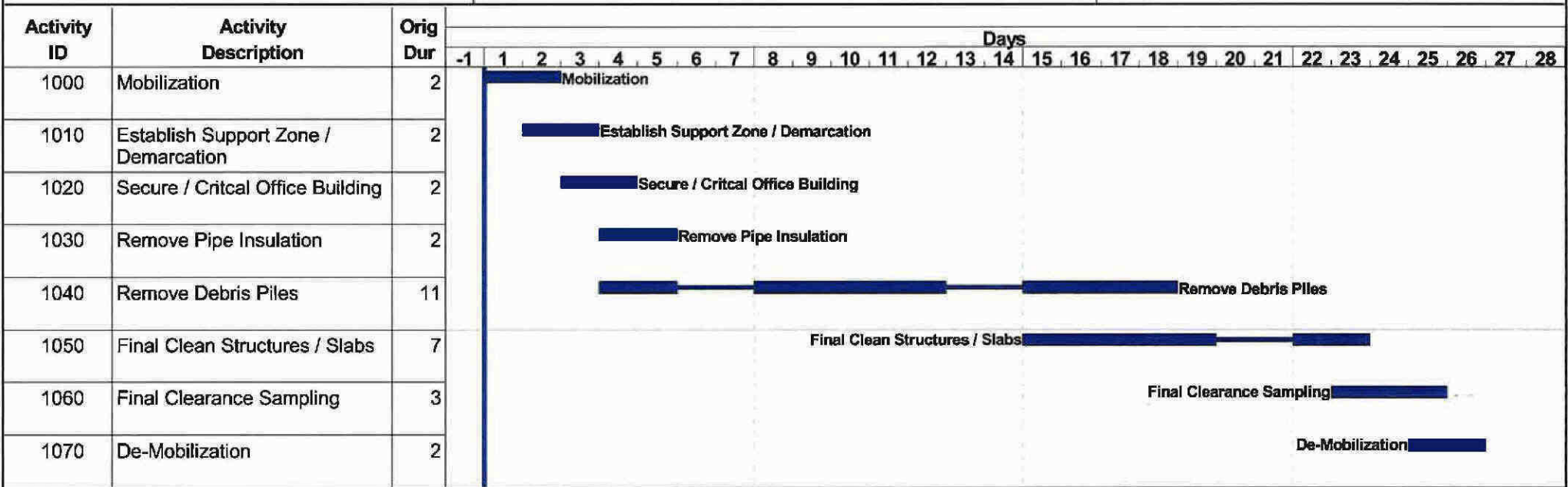


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**FORMER CLEVELAND TRENCHER FACILITY**  
 20100 St. Claire Avenue  
 Euclid, Ohio



## **Section 2**

### **Emergency Plan and Phone List**

# **Precision Environmental Company**

## **Emergency Response Procedures**

### **Cleveland Trencher**

#### **Euclid, Ohio**

#### **Purpose**

Dealing effectively with any type of emergency situation requires prompt notification, coordinated mobilization, quick implementation of specific duties and assignments, and the optimum use of job site and community emergency response resources. During the course of asbestos abatement and cleanup at Cleveland Trencher, there may also arise situations or emergencies, which may require modification or breach of the work area.

#### **I. Fire**

- A. The Euclid Fire Department must be notified immediately in the event of a fire by dialing **911**. This policy holds true regardless of the size of the fire or the ease with which it may be extinguished. A second call to the fire department telling them the fire has been extinguished is far better than notification after the fire is out of control.
  
- B. Emergency exits shall be established and clearly marked with duct tape, arrows or other effective designations to permit easy location from anywhere within work area. They shall be secured to prevent access from uncontaminated areas and still permit emergency exiting. These exits shall be properly sealed with polyethylene sheeting, which can be cut to permit egress if needed. These exits may be the worker decontamination enclosure, the waste pass-out airlock and/or other alternative exits satisfactory to fire official.
  
- C. Steps to take in a fire emergency:
  - 1. Any person discovering a fire should quickly and carefully remove anyone who is injured or in immediate danger. This person must be careful not to risk injury to himself, since his health and safety is more important than reporting the fire.
  
  - 2. The nearest telephone or radio should be used to report the fire. The individual reporting the fire shall provide the following information: that there is a fire; what is on fire; the specific location of the fire; and the name, telephone number and location of the person reporting the fire.

3. Extinguishment of the fire should be attempted only if there is portable fire fighting equipment available and the fire is in its incipient, that is, initial or beginning state and can be safely controlled or extinguished with this equipment. If the size of the fire presents an immediate danger to life or health, evacuation, not fire fighting, should be the primary objective.
4. Fire extinguishers will be located at designated areas on the job site. In the event of a fire, emergency exits shall be used or breached.
5. Evacuation: When evacuation is deemed necessary, there should be no hesitation in requiring personnel to immediately vacate the area. *Emergency exits and other means of egress from each area shall be noted prior to the start of the job and communicated to all employees.* An assembly area shall be designated and all personnel required to report there immediately for a roll call to assure that all are present and accounted for. Once out of the building, no one will be allowed to re-enter until the emergency is declared over.

## II. Employee Injury

- A. Should an incident occur which results in an injury to an employee, an immediate assessment of the severity should be made.
- B. No attempts at rescue or first aid should be made until the scene has been surveyed and it is determined that it is safe to enter the area. Particular attention should be given to the possibility of electrical shock, asphyxiating or oxygen deficient atmospheres, overhead hazards, and fall hazards.
- C. Designated first aid personnel shall be summoned to the scene. If it is necessary to call an ambulance the person placing the call should be prepared to provide such information as: the location of the accident, type of accident (fall from elevation, heart attack, etc.), the condition of the injured, and where to enter site.
- D. An individual shall be directed to meet the ambulance at a previously designated location.
- E. The area shall be kept clear of all-unnecessary personnel and equipment that could hinder the emergency response effort.
- F. The site entrance shall be secured to prevent any unauthorized entrance by those not directly involved in the emergency response effort.



- G. In case of an injury requiring emergency treatment, the treatment shall not be delayed for decontamination purposes. Breach of containment at emergency exits shall be done if necessary. Emergency personnel will be advised of containment conditions.

### **III. Emergency Phone Numbers**

Emergency phone numbers shall be posted at a pre-determined location. Numbers will also be posted at the Precision Field Office.

### **IV. Power Failure**

In the event of a power failure, all work shall be halted, workers shall exit containments and containments shall be sealed until such time that power can be restored.

# Cleveland Trencher

Euclid, Ohio

## Emergency Phone Numbers

<u>Emergency Assistance</u>	<u>Phone #</u>
FIRE & EMS:	911
POLICE	911
HOSPITALS: <b>Concentra Medical Center</b> 5500 S. Marginal Road Cleveland, Ohio 44103	(216) 426-9020

(When calling Emergency Services, advise dispatcher if employee was working in containment)

### Precision Environmental Contacts - 5500 Old Brecksville Road, Independence, Ohio (216) 642-6040

	<u>Mobile</u>	<u>Other</u>
Kenny Yates – Supervisor and First Aid/CPR	(216) 2142562	
Emory Wolf - Superintendent	(216) 214-2474	
Marc Garland – Safety Director	(216) 214-5173	(440) 209-0194
John Savage - Vice President	(216) 214-0401	

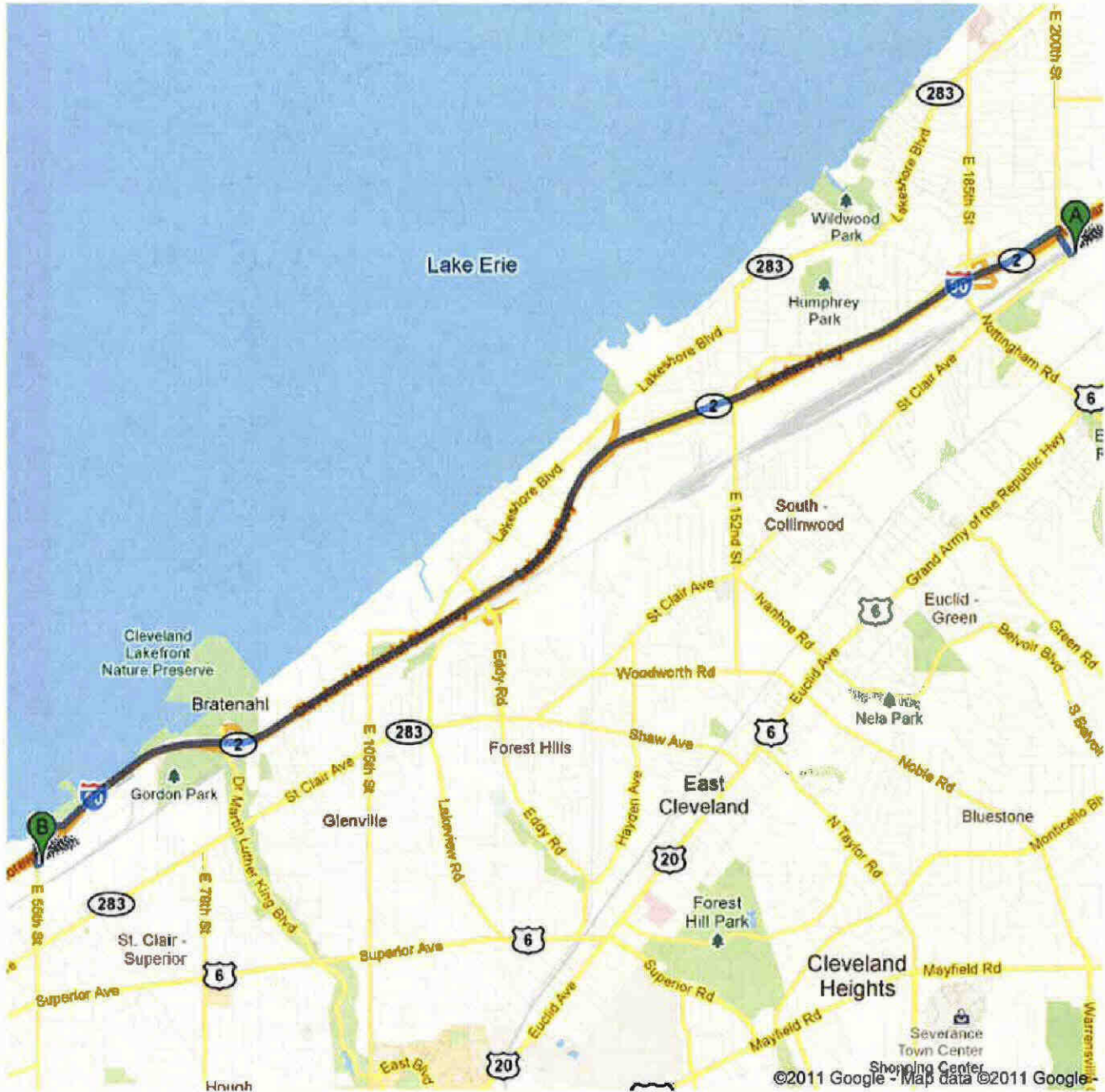
### Additional Emergency Phone Numbers:

Chemtrec	*	*	*	*	*	(800) 424-9300
TSCA Hotline	.	.	.	.	*	(800) 424-9065
	*	*	*	*	*	(202) 544-1404
ATSDR			Day	*	*	(404) 329-2888
			Night.	.	*	(404) 566-7777
ATF (Explosives)	.	*	.	.	*	(800) 424-9555
National Response Center	*	.	.	*	*	(800) 424-8802
Pesticide Information Service	.	.	.	.	*	(800) 845-7633
EPA Region 5	.	.	.	.	*	(312) 353-2000
RCRA Hotline	.	.	*	*	*	(800) 424-9346
CMA Chemical Referral Center	.	.	.	.	*	(800) 262-8200
National Poison Control	*	.	.	.	*	(800) 942-5969
U. S. DOT			Days Only	.	*	(202) 366-0656



Directions to 5500 S Marginal Rd, Cleveland,  
OH 44103  
7.3 mi - about 11 mins

**Save trees. Go green!**  
Download Google Maps on your phone at [google.com/gmm](http://google.com/gmm)



## **Section 3**

### **Transportation and Disposal**

2011



2011

# Construction and Demolition Debris Facility License

License Expires December 31, 2011

**Facility:** Minerva Enterprises (CID:54288)  
9000 Minerva Rd  
Waynesburg, OH 44688

This license has been issued in accordance with the requirements of state law, is subject to revocation or suspension for cause, and is not transferable without the consent of the Board of Health or the Director of the Ohio Environmental Protection Agency.

**Licensing Authority: Stark Co - CDDL**

## Conditions of Licensure

The Licensee hereunder, its agents, employees, and all others in active concert with said licensee, including the facility owner and operator, shall be subject to and shall comply with the following conditions of this license:

1. All applicable requirements of Ohio Revised Code Chapters 3714., 3734., 6111., and 3704.
2. All applicable requirements of Ohio Administrative Code Chapters 3745-37 and 3745-400.
3. Plans, other authorizing documents and administrative and judicial orders applicable to this facility and as approved by the Ohio Environmental Protection Agency and/or the licensing authority.
4. By applying for and accepting this license, the licensee specifically consents in advance and agrees to allow the Director, the Health District, or an authorized representative, to enter upon the licensee's premises at any reasonable time during the construction and/or operation of the facility for the purpose of inspecting, conducting tests, collecting samples, or examining records or reports pertaining to construction, modification, installation, or operation of the facility. The licensee hereby acknowledges and agrees that any and all rights of access granted herein shall not be deemed to be unreasonable or unlawful under Ohio Revised Code Sec. 3714.08.

The licensee, its agents, employees, and all others in active concert with said licensee shall maintain and operate the construction and demolition debris facility to which the license pertains in a sanitary manner so as not to create a nuisance, create a fire hazard, cause or contribute to water pollution, or create a health hazard. This license shall not be construed to constitute a defense to any civil or criminal action brought by the State of Ohio or any duly authorized representative thereof to enforce the provisions of Chapters 3714., 3734., 3767., 6111., or 3704. of the Ohio Revised Code, or the regulations issued thereunder.

Issuance of this license does not relieve the licensee of the duty to comply with all applicable federal, state, and local laws, regulations and ordinances.

If Checked, Additional Conditions Apply to This License (See Back, or Attachment)

Health Commissioner

December 29, 2010

Date Issued





# CERTIFICATE OF LIABILITY INSURANCE

OP ID: PC

DATE (MM/DD/YYYY)

01/11/11

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> The Fedeli Group P.O. Box 318093 5005 Rockside Road Independence, OH 44131-8003 Rob Snyder, CPCU	216-328-8080 216-328-8081	<b>CONTACT NAME:</b> Pat Cowan <b>PHONE (A/C, No, Ext):</b> 216-643-2749 <b>FAX (A/C, No):</b> 216-328-8081 <b>E-MAIL ADDRESS:</b> pcowan@thefedeligroup.com <b>PRODUCER CUSTOMER ID #:</b> MINER-3
<b>INSURED</b> Minerva Enterprises, LLC 9000 Minerva Road Waynesburg, OH 44688	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A:</b> Zurich American Insurance Co.	<b>NAIC #</b> 16535
	<b>INSURER B:</b> Steadfast Insurance Company	26387
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR includes <input checked="" type="checkbox"/> X,C,U GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		GLO903222004	01/10/11	01/10/12	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		BAP903222104	01/10/11	01/10/12	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10,000		SEO903222204	01/10/11	01/10/12	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in OH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/> N/A		GLO903222004 OHIO STOP GAP LIABILITY	01/10/11	01/10/12	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	<b>Legal Pollution Liability</b>		PLC903322704 INCL ASBESTOS/LEAD OPS	01/10/11	01/10/12	Limit: \$ 5,000,000 Ded: 25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

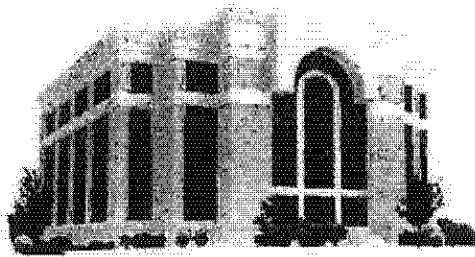
PREC-12

Precision Environmental Co  
 Attn: Jill Keppler  
 5500 Old Brecksville Road  
 Independence, OH 44131

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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*Health Commissioner:*  
 William J. Franks, M.P.H.  
*Medical Director:*  
 Grant A. Mason, Jr., M.D.  
*President-Board of Health:*  
 James Recchio, Jr.

*Board Members:*  
 Lori Mertes, M.D.  
 Cary Feller  
 Philip Francis  
 Karen Hiltbrand  
 Connie Holmes  
 Daphne Fetterman  
 Terrence Seeberger

**STARK COUNTY  
 HEALTH DEPARTMENT**

**RESOLUTION #9-2010**

**A RESOLUTION TO ADD REQUIREMENTS OR AGENDA TO THE CONSTRUCTION AND DEMOLITION DEBRIS FACILITY LICENSES OF NAMED FACILITIES FOR THE 2011 LICENSING YEAR.**

**WHEREAS**, 3745-37-03(D) of the Ohio Administrative Code provides that, *"The licensing authority of a construction and demolition debris facility may impose such special terms and conditions as are appropriate or necessary to ensure that the facility will comply with Chapter 3714. of the Revised Code and Chapter 3745-400 of the Administrative Code, and to protect public health and safety and the environment."*

**WHEREAS**, 3714.06 of the Ohio Revised Code provides that, *"Any such license may be issued with such terms and conditions as the board or the director, as appropriate, finds necessary to ensure that the facility will comply with this chapter and the rules adopted under it and to protect the public health and safety and the environment."*

**WHEREAS**, facility license reviews that were conducted by the Environmental Division of the Stark County Health Department during November, 2010 indicated that the following conditions and terms are necessary to insure compliance and/or to protect public health and safety and the environment for each facility as specified.

**BE IT THEREFORE RESOLVED THAT**, the Stark County Board of Health attaches these terms and conditions to the Construction and Demolition Debris Facility Licenses as:

Minerva Enterprises LLC.

**1. Surface Water Analysis**

Analyze all sedimentation ponds for those constituents listed below every 6 months (2 times a year) and submit the results to the Stark County Health Department.

pH	Specific Conductance	Turbidity
Temperature	Total Dissolved Solids (TDS)	Nitrate-Nitrite
Phosphorous, Total	Biological Oxygen Demand	Nitrogen as Ammonia
Chlorides	Chemical Oxygen Demand	Sulfates
Total Organic Carbon	Depth/Pond Level	Flow Rate

Metals (Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Zinc)

**2. Topographical Map**

By September 30, 2011, Minerva Enterprises LLC., shall submit a current topographical drawing showing the approved limits of waste placement with a contour interval no greater than two feet.

Stark C&D Landfill

**1. Surface Water Analysis**

Analyze all sedimentation ponds for those constituents listed below every 6 months (2 times a year) and submit the results to the Stark County Health Department.

pH	Specific Conductance	Turbidity
Temperature	Total Dissolved Solids (TDS)	Nitrate-Nitrite
Phosphorous, Total	Biological Oxygen Demand	Nitrogen as Ammonia
Chlorides	Chemical Oxygen Demand	Sulfates
Total Organic Carbon	Depth/Pond Level	Flow Rate

Metals (Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Potassium, Selenium, Silver, Sodium, Zinc)

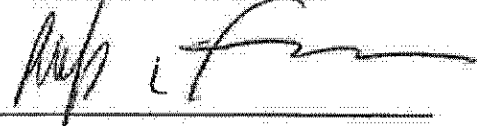
**2. Topographical Map**

By September 30, 2011, Stark C&D Landfill, shall submit a current topographical drawing showing the approved limits of waste placement with a contour interval no greater than two feet.

**BE IT FURTHER RESOLVED**, that the Board of Health, of the Stark County Combined General Health District, adopts this measure to be effective on and after Wednesday, December 8, 2010.

**ADOPTED: December 8, 2010**  
By a majority of the members  
of the Board of Health of the  
Stark County Combined General  
Health District

**STARK COUNTY COMBINED  
BOARD OF HEALTH**



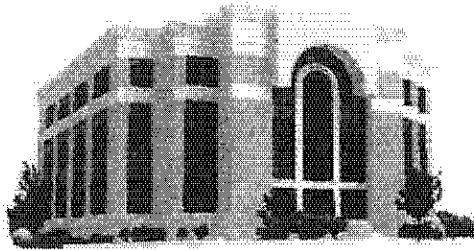
*Vice* **PRESIDENT**



**SECRETARY**



*Health Commissioner:*  
William J. Franks, M.P.H.  
*Medical Director:*  
Maureen Ahmann, D.O.  
*President-Board of Health:*  
James Reochio, Jr.



## STARK COUNTY HEALTH DEPARTMENT

*Board Members:*  
P.S. Murthy, M.D.  
Cary Feller  
Philip Francis  
Karen Hiltbrand  
Connie Holmes  
Daphne Fetterman  
Terrence Soeberger

December 29, 2010

Steve Chandler  
Minerva Enterprises, LLC  
P.O. Box 709  
Waynesburg, OH 44688

Dear Mr. Chandler:

On September 30, 2010, this office received an application for a 2011 Construction and Demolition Debris Facility License. Upon review, the application is complete. Therefore, your 2011 Construction and Demolition Debris Facility License is granted. This license is effective for the current approved active licensed disposal area only. The license is subject to special terms and conditions as stated in the enclosed copy of Stark County Board of Health Resolution #9-2010.

A motion to attach these special terms and conditions was passed by a majority of the members of the Board of Health of the Stark County Combined General Health District, and are effective on and after December 8, 2010. These special terms and conditions are hereby attached as provided by 3745-37-03(D) of the Ohio Administrative Code and 3714.06 of the Ohio Revised Code.

This action is final and may be appealed to the Environmental Board of Review pursuant to sections 3714.10 of the Ohio Revised Code. Issuance of this license does not relieve the licensee of the duty to comply with all applicable federal, state, and local laws, regulations, and ordinances.

Feel free to contact Kirk Norris at (330) 493-9904, ext. 214 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "William J. Franks". The signature is written in a cursive style.

William Franks, MPH  
Health Commissioner

W/ enclosure

3951 Convenience Circle, N.W. ● Canton, Ohio 44718-2660 ● (330) 493-9904 ● Fax (330) 493-9920  
[www.starkhealth.org](http://www.starkhealth.org)

This agency is an equal provider of services and an equal opportunity employer - Civil Rights Act of 1964

**The following Contains Minerva Enterprises, LLC's (Minerva) Asbestos Disposal Permit as part of Minerva's Air Permits Group.**

**For Asbestos Disposal Permit Verification Purposes Only, the Primary 3 Pages of The Asbestos Permit are attached below. [Pages 17,18 & 19 of the 25 page permit]**

**Should you desire Minerva Enterprises, LLC's entire Air Permits Including Asbestos Please email me at: [stevechandler40@aol.com](mailto:stevechandler40@aol.com).**

**Minerva's Asbestos Permit is referred to as F001-Asbestos Disposal**



**State of Ohio Environmental Protection Agency  
Division of Air Pollution Control**

**FINAL**

**Air Pollution Permit-to-Install and Operate  
for  
Minerva Enterprises, LLC**

Facility ID: 1576001700  
Permit Number: P0104984  
Permit Type: OAC Chapter 3745-31 Modification  
Issued: 1/5/2010  
Effective: 1/5/2010  
Expiration: 1/5/2020

**Taken From Page 19 of 25 Below Outlines Minerva's:**

**Asbestos Material Acceptance Permit Description**

- f. The facility can accept for disposal any regulated asbestos-containing material as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141 and OAC rule 3745-20, or any subsequent revisions to either rule. Regulated asbestos-containing material is defined to include:
- i. friable asbestos material;
  - ii. Category I nonfriable asbestos-containing material that has become friable;
  - iii. Category I nonfriable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or
  - iv. Category II nonfriable asbestos-containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

**Exact Copy of Page 17 of 25 Below Outlines Minerva's: Annual Permit Limit & Begins Asbestos Specific F003 Asbestos Disposal Permit**



State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

Final Permit-to-Install and Operate  
Permit Number: P0104984  
Facility ID: 1576001700  
Effective Date: 1/5/2010

**3. F003, Asbestos Disposal**

**Operations, Property and/or Equipment Description:**

Construction and Demolition Waste Landfill Approved to Accept NESHAP-regulated Asbestos-containing Waste Materials

a) This permit document constitutes a permit to install issued in accordance with ORC 3704.03(F) and a permit to operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit to install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit to operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	40 CFR 61.154(a) and (e) and OAC rule 3745-20-06  This PTIO supercedes PTI 15-1292 Modification NESHAP 40 FCR Part 61, Subpart M	Permittee shall not create any visible emissions
b.	The permittee has agreed to limit the volume of material accepted.	A maximum of 1,000,000 tons per year of C & D material containing RACM may be accepted.



State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

Final Permit-to-Install and Operate  
Permit Number: P0104984  
Facility ID: 1576001700  
Effective Date: 1/5/2010

(2) Additional Terms and Conditions

- a. The landfill, approved to accept asbestos-containing waste materials shall maintain the following work practice standards.
- b. There shall be no visible emissions from asbestos-containing waste materials during on-site transportation, transfer, unloading, deposition, compacting operations, or from any inactive asbestos waste disposal sites.
- c. Deposition and burial operations shall be conducted in a careful manner that prevents asbestos-containing waste materials from being broken up or dispersed before the materials are buried.
- d. The permittee shall inspect each load of asbestos-containing material delivered to the facility. The inspection shall consist of a visual examination to ensure that each shipment of asbestos-containing waste materials is received in intact, leak-tight containers labeled with appropriate hazard warning labels, the name of the waste generator, and the location of waste generation. The inspection also shall determine whether the waste shipment records accompany the consignment and accurately describe the waste material and quantity.
  - i. If on the basis of the inspection, the waste material is found to be improperly received, the load shall be disposed of in accordance with the procedures in the "Asbestos Spill Contingency Plan," and the discrepancy shall be noted on the waste shipment record.

[40 CFR 61.154(a) and (e)] and [OAC rule 3745-20-06]

- e. The permittee shall develop, implement, and maintain an "Asbestos Disposal Operating Procedure and Spill Contingency Plan" consisting of:
  - i. authorized personnel training;
  - ii. inspection and disposal operating procedures;
  - iii. non-conforming load response procedures;
  - iv. inventory and maintenance procedures for safety and emissions control equipment;
  - v. record keeping procedures; and
  - vi. emergency notification procedures.

Authorized personnel shall be knowledgeable in the procedures, and the Plan shall be available for inspection at this facility at all times. Emissions control equipment shall be available for wetting and containing asbestos in



State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

Final Permit-to-Install and Operate  
Permit Number: P0104984  
Facility ID: 1576001700  
Effective Date: 1/5/2010

the event of a release or non-conforming load disposal. All equipment required to implement the "Asbestos Disposal Operating Procedure and Spill Contingency Plan" shall be maintained in accordance with good engineering practices to ensure that the equipment is in a ready-to-use condition and in an appropriate location for use.

[OAC rule 3745-20-06, in part] and/or [OAC rule 3745-31-05(A)(3)]

- f. The facility can accept for disposal any regulated asbestos-containing material as defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos, 40 CFR Part 61, Subpart M, Section 141 and OAC rule 3745-20, or any subsequent revisions to either rule. Regulated asbestos-containing material is defined to include:
- i. friable asbestos material;
  - ii. Category I nonfriable asbestos-containing material that has become friable;
  - iii. Category I nonfriable asbestos-containing material that will be or has been subjected to sanding, grinding, cutting, or abrading; or
  - iv. Category II nonfriable asbestos-containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.
- g. The permittee shall ensure that any Category I and/or Category II nonfriable asbestos-containing waste material received does not become friable during processing at the landfill. If any asbestos material arrives at the landfill and meets the description of a regulated asbestos-containing material as described in (a) through (d) above, the landfill shall:
- i. cause or permit no visible emissions to the outside air from the asbestos-containing waste materials during on-site transportation, transfer, deposition, or compacting operations;
  - ii. assure that deposition and burial operations are conducted in a manner which prevents handling by equipment or persons that causes asbestos-containing waste materials to be broken up or dispersed before the materials are buried;
  - iii. cover the asbestos-containing waste material with at least twelve inches of nonasbestos-containing material, as soon as practicable after deposition, but no later than at the end of the operating day; and

## **Section 4**

### **Supervisor Qualifications**

**Precision Environmental Company  
Precision ProCut**

**Respirator Assignment and Fit Test**

A successful respirator fit test has been completed by the individual named below using the respirator fit test procedure mandated in 29 CFR 1910.134 Appendix A.

Name: Kenny Yates SSN: XXX-XX-4117 Date: 2-19-11  
SSN Member (last 4 digits) Date

Address (street, city, state, zip): 22322e. Harms Rd, Richmond Hts, Ohio 44143

Respirator Model:  North 3500/7700 Half Face  S  M  L  F  M  F  
 M Powerflow Full Face PAPR  S  M  L  F  M  F  
 Other: \_\_\_\_\_  S  M  L  F  M  F

Annual Respiratory Protection Training completed per 29 CFR 1910.134: Yes  No

Annual medical evaluation completed: Yes  No

Type of Fit Test: Qualitative  Quantitative

Type of Quantitative Test: Inert smoke  Butane oil  Saccharin

I hereby certify that the above named employee has been properly fit tested per the referenced and attached procedures.

Franz Lasic  
Test Administrator Name

[Signature]  
Signature

Kenny Yates  
Employee Name

[Signature]  
Signature



**PRECISION ENVIRONMENTAL COMPANY  
PRECISION PRO CUT  
RESPIRATOR QUALIFICATION**

Patient Name: Kenny Yates

SSN: (last 4) XXXX-XX-4117

This certifies that the above named individual has been evaluated and completed the medical surveillance program provided by Precision Environmental and Precision ProCut. The medical surveillance program meets or exceeds the requirements of 29 CFR 1910.120, 29 CFR 1910.134 and 29 CFR 1926.1101.

The healthcare provider for this surveillance examination is:

**Concentra Medical Centers  
4650 Minckley Industrial Parkway  
Cleveland, Ohio 44109**

The above named patient has been examined in accordance with the above requirements and has been found to:

- Qualified for respirator use without restrictions
- Not qualified for respirator use

[Signature]  
Physician Signature

1/19/10  
Date (print clearly or type)

Ramona Abella, M.D.  
Printed Physician Name



**Asbestos Contractor Supervisor Refresher**

Certificate  
This is to certify  
**Kenny Yates**  
XXX-XX-4117



has attended and successfully completed the Asbestos Hazard Emergency Response Act (AHERA) course for the Asbestos Contractor Supervisor Refresher and has passed an examination in that course with a minimum score of 75% in theory. Training was in accordance with 40 CFR Part 745.110-110.110. The above student received the requisite training for asbestos abatement under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-5, Chapter 3701-54 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 834.120 of Title 37. IDPH recognition based on student request.

<u>Dr. D. Sell</u>	<u>2/19/10</u>	<u>2/19/11</u>	<u>2/19/11</u>	<u>Independence, OH</u>
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

TSI  
33155 Labeland Blvd.  
Cleveland, OH 44135  
1-844-466-4438

11 TSI 38777 cst

CONCENTRA Medical Centers  
MEDICAL EXAMINER'S CERTIFICATE

Examiner Name: Kenny Yates

Examination Date: 2/19/11

Physician Name: Ramona L. Abella, M.D.

Physician License No: 35011982

Examination Location: 1011

Examination Type: ASBESTOS SUPERVISOR REFRESHER

Examination Result: QUALIFIED

State of Ohio  
Department of Health  
Division of Quality Assurance - Asbestos Program

**Asbestos Hazard Abatement Specialist**

**Kenneth A Yates**  
Precision Environmental Company  
5500 Old Brecksville Road  
Independence OH 44131

Certification Number: **AS2553**  
Expiration Date: **03/05/2012**

DOB: **08/31/1949**  
Certification Card is

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE

**KENNETHA YATES**  
CLASS (EXPIRES)  
Q-SUPR(08/11)

CERT# 09-11704  
DMV# 774229891

**MUST BE CARRIED ON ASBESTOS PROJECTS**



# CERTIFICATE OF ACHIEVEMENT



## Construction Industry Service Program of Greater Cleveland

honors

**Ken Yates**

for achievement in completing

### OSHA 30-HOUR FOR CONSTRUCTION

AUGUST 4, 11, 18, 2009

*John D. Forada*  
JOHN D. FORADA  
ADMINISTRATOR

*Darlene Pogsum*  
DARLENE POGSUM  
OSHA  
CONSTRUCTION TEAM LEADER

*Wayne J. Chesap*  
WAYNE J. CHESAP  
DIRECTOR OF SAFETY/EDUCATION

*Stephen M. Kinn*  
STEPHEN M. KINN  
ASSISTANT DIRECTOR OF  
SAFETY/EDUCATION

## HAZARDOUS MATERIALS TECHNICIAN

This certificate of completion is awarded to

*Kenny Yates*

For successful completion of the course of Hazardous Material  
Technician refresher training awarded on 11/13/06 11/13/07

Precision Environmental

H&E Consulting, Inc

**PRECISION Environmental Company**  
7722 School Road - Independence, Ohio 44131 - (216) 443-6946

Certifies that

**KENNETH A. YATES**  
818 Wayside Avenue, Cleveland, Ohio 44119

Successfully completed the course as

**LEAD HAZARD AWARENESS**

Conducted in accordance with: 29 CFR 1926.63

Course Date: March 14, 1996  
Certificate Number: 03108142

*Signature*  
Training Director

## HAZARDOUS WASTE WORKER REFRESHER TRAINING COURSE

NAME: <b>Kenneth Yates</b>	
E.S.#: <b>XXX-XX-4117</b>	
DATE COMPLETED INITIAL COURSE: <b>2/10/06</b>	REFRESHER COMPLETION DATE: <b>3/10/07</b>
NEXT REFRESHER TRAINING DUE WITHIN ONE YEAR OF THE REFRESHER COMPLETION DATE: <b>3/10/08</b>	
CERTIFICATE #: <b>277504117HWR0307</b>	

COMPLIES WITH OSHA REGULATION 29 CFR 1910.120



## LABORERS-AGC EDUCATION AND TRAINING FUND

37 Deerfield Road  
P.O. Box 37  
Pomfret Center, CT 06259  
(860) 974-0800

## University of Cincinnati Occupational Health & Safety Continuing Education Program Co-Sponsored by Training Services International

**Kenny Yates**

Precision Environmental  
5540 Old Stockville Road  
Independence OH 44131

Has Successfully Completed the  
**Lead Safety for Renovation, Repair and Painting Initial Training Course**

*Signature*  
Program Director  
JL-1845C-10-02513  
Certificate Number  
0902310  
Issue Date  
Language - English



*Signature*  
Course Principal In-charge  
Occupational Health & Safety  
5/11/10  
Course Title

Occupational Health & Safety Continuing Education, LLC Building Case #09-110496 24 - 201-468-1100, Cleveland, OH 44127-1418, 11/09/09  
www.ohsa.edu/cet

10 TSI 35662 RRE

## Heartsaver® First Aid

**Kenny Yates**

Has Successfully Completed the course of Heartsaver First Aid

Course Title: Heartsaver First Aid  
Issue Date: APRIL 2010

APRIL 2012  
Renewal Period

Issuing  
Center: CHIC 216-332-9485  
IC Address:  
Contact Info: Health Consultants Care, ACLS & CPR  
Course  
Location:  
Instructor: CRAIG DUNNING RN-CCRN-FNCC-EMT  
Holder's  
Signature

If in the circles of the modules (2) completed. This card contains unique security features to protect against forgery.

## **Section 5**

### **Worker Qualifications**

**Worker documentation shall be submitted when work crew is known.**

## **Section 6**

### **Respiratory Protection Program**

## **1.0 PURPOSE**

To provide guidance, in compliance with 29 CFR 1910.134, 29 CFR 1926.1101(h)(2), and 29 CFR 1926.62(f)(1), in the selection and proper use of respirators for protection from respiratory hazards during the course of working with known and unknown hazardous materials. These materials may include but are not limited to asbestos, lead, mold, and other respiratory hazards.

## **2.0 APPLICATION**

This procedure applies to the Precision Environmental Company and Precision ProCUT facilities and jobsites when employees are determined to require the use of respiratory protection.

Compliance with local laws and regulations is mandatory. Where the customer's procedures are more protective than OSHA or local requirements, Precision Environmental will comply with the more protective requirements.

## **3.0 RESPONSIBILITY**

The Safety Director is the designated Respiratory Protection Program Administrator and is solely responsible for all facets of the program and has full authority to make necessary decisions to ensure the success of this program. The Program Administrator will develop and maintain written detailed instructions covering each of the basic elements in this program, and is the sole person authorized to amend these instructions. This company has expressly authorized the Program Administrator to halt any operation of the company where there is danger of serious personal injury.

Project Managers and Supervisors shall be responsible for implementation of the Respiratory Protection Program on projects. This includes ensuring that proper selection of respirators, fit testing, training, and maintenance has been conducted for employees on all projects.

## **4.0 DEFINITIONS**

4.1 Air-Purifying Respirators are respirators which can purify the air, but do not supply air. They must never be used in oxygen-deficient atmospheres. They include:

- Gas and Vapor Respirators (Chemical Cartridge Respirators)
- Particulate Respirators (Mechanical Filter Respirators)

- Powered Air-Purifying Respirators (PAPR)
- Combination Gas, Vapor, and Particulate Respirators

4.2 Air-Supplying Respirators are respirators which provide a supply of breathable air different from the workplace air. They include:

- Self-Contained Breathing Apparatus (SCBA)
- Supplied-Air Respirators (SAR)
- Combination Self-Contained and Air-Supplying Respirators

4.3 Chemical Cartridge Respirators - See Gas and Vapor Respirators.

4.4 Combination Gas, Vapor, and Particulate Respirators filter out gases, vapors, and particulates by passing the contaminated air through a cartridge or canister containing both a particulate filter and a gas/vapor absorbing device.

4.5 Combination Self-Contained and Air-Supplying Respirators are respirators usually used in atmospheres that are immediately dangerous to life or health. The auxiliary cylinder permits escape if the regular air line supply is cut off.

4.6 Filtering Facepiece (dust mask) means a negative pressure particulate respirator with a filter as an integral part of the facepiece or with the entire facepiece composed of the filtering medium.

4.7 Gas And Vapor Respirators (also known as chemical cartridge respirators) are respirators which remove gases and/or vapors by passing the contaminated air through cartridges containing charcoal or other special material that traps these contaminants. Cartridges must be matched to the contaminants. These cartridges are used to protect against contaminants that have adequate warning properties of smell or irritation. This allows the wearer to judge when a cartridge is no longer usable. Some cartridges are dated as well, and should not be used after the expiration date.

4.8 Immediately Dangerous to Life and Health (IDLH) is a term used to describe a very hazardous atmosphere where employee exposure can:

- Cause serious injury or death within a short time.
- Cause serious delayed (chronic) effects.

4.9 Negative Pressure Respirator is a respirator in which the pressure inside the face piece is lower than the outside pressure. (This means that all negative-pressure respirators must have a tight fitting face piece with a good seal between the respirator and the face. If the fit is poor and a leak occurs, the outside

contaminated air at the higher pressure will leak into the face piece at the lower pressure.) Since leaks would be occurring around the seal rather than through the air-purifying elements of the respirator, contaminated air would enter the worker's breathing zone.

- 4.10 Particulate Respirators (also known as mechanical filter respirators) are respirators which depending upon the design of the filters, can filter out dust, fog, fume, mist, spray, or smoke by passing the contaminated air through a pad or filter. Filters should be changed at frequent intervals, when they become clogged, or when it becomes difficult to breathe through them.
- 4.11 Positive Pressure Respirator is a respirator in which the pressure inside the respirator face piece is greater than the pressure outside the face piece or the atmospheric pressure. Theoretically, a leak would be outward and exposure to the contaminant is less likely to occur.
- 4.12 Powered Air-Purifying Respirators use a blower to draw contaminated air through an element that removes the contaminant and to supply purified air to a face piece, helmet, or hood. The purifying element may be either a filter, a cartridge, or a combination of the two.
- 4.13 Qualitative Fit Test is a pass/fail fit test that relies on the wearer's sensory response to detect the challenge agent.
- 4.14 Quantitative Fit Test is a fit test that uses an instrument to measure the challenge agent inside and outside the respirator.
- 4.15 Respiratory Hazards occur when a toxic or harmful material is present in the atmosphere at a concentration that is high enough to impair body function. Some respirators protect against air contaminants while others protect against both air contaminants and oxygen deficiency.
- 4.16 Self-Contained Breathing Apparatus (SCBA) are respirators which provide a transportable supply of breathable air, and afford complete respiratory protection against toxic gases and oxygen deficiency.
- 4.17 Supplied-Air Respirators (SAR) provide air through an air line or air hose. The air may be supplied from a compressor or through a large diameter tubing with its inlet placed in uncontaminated air.

**5.0 PROCEDURES**

**5.1 General Requirements**

5.1.1 The program administrator shall assure that an effective respiratory protection program is implemented by:

- Conducting PPE Hazard Assessment to determine the workplace risks and hazards to which employees may be exposed (for Precision's PPE Hazard Assessment see Appendix 6);
- Developing a written standard operating procedure covering the training, selection, use and maintenance of respirators;
- Providing the correct respirators for the specific hazards;
- Maintaining surveillance of work area conditions and degree of employee exposure or stress;
- Conducting a regular inspection and evaluation to determine the continued effectiveness of the program.

5.1.2 Respirators are to be used only where engineering control of respiratory hazards is not feasible, while engineering controls are being installed, or in emergencies.

5.1.3 When effective engineering controls are not feasible, employees that are exposed to the effects of inhaling hazardous dust, gases, mist, vapors and fumes must be provided with respiratory protection devices.

5.1.4 Respirators shall only be used by those employees who have been properly fitted and trained in the proper use, care, storage and maintenance of the respirators.

5.1.5 Respirators shall be assigned to individual workers for their exclusive use.

5.1.6 Respirators shall not be worn when conditions prevent a good face seal. Such conditions may be a growth of beard, side burns, a skull cap that projects under the face piece, or temple pieces on glasses. Also the absence of one or both dentures can seriously affect the fit of a face piece.

5.1.7 All employees who are required to wear a respirator for personal protection through the course of their normal job requirements, shall be clean shaven at the beginning of the day. No beards or long side burns that



reach the seal of the respirator shall be allowed. Mustaches are permissible as long as they do not reach the seal of the respirator.

5.1.8 Contact lenses shall not be worn under self-contained breathing apparatus (SCBA) or supplied air respirators (SAR).

5.1.9 All employees who require corrective prescription lenses and are required to wear a full-face respirator (Air Purifying, Supplied Air or SCBA) shall be provided a pair of prescription eyeglass inserts.

## 5.2 Respirator Selection

5.2.1 Respirators shall be selected on the basis of hazards to which the worker is exposed.

5.2.2 Only NIOSH certified respirators shall be selected and used.

5.2.3 Respirator parts which are not certified for use together must NEVER be interchanged.

5.2.4 Respirator parts manufactured by a different respirator supplier must NEVER be interchanged.

## 5.3 Medical Qualifications

5.3.1 Employees required to wear respiratory protection shall be examined annually by a physician to ensure that they are physically able to wear respirators while working.

5.3.2 The physician conducting the exam shall determine what health and physical conditions are pertinent and shall certify the employee's ability to use a respirator in compliance with the requirements of **29 CFR 1910.120**, **29 CFR 1910.134** and **29 CFR 1926.1101**.

## 5.4 Training

5.4.1. Respirator training shall include:

- The contaminants to be encountered, their toxic properties and the probable concentration to be expected.
- The reasons for using the respirator and the protection to be provided.

- Description of the respiratory protective device. This shall include the capabilities and limitations of the respirator, the parts of the respirator, and instructions on checking for proper fit and operating condition.
- Actual process of putting the respirator on and adjusting for proper fit.
- Wearing the respirator for a period of time in normal air to become familiar with its use.
- Instruction on the proper maintenance and storage of the respirator.
- Fit testing.
- Respirator training records shall be maintained in the employee training record file.

**5.5 Fit Testing**

- 5.5.1. Qualitative fit testing procedures (Appendix 2) shall be performed initially on all employees required to wear respirators and repeated at least annually (or at appropriate intervals when there is a significant change in the wearer's physical status).
- 5.5.2. Any employee who is not clean-shaven or who has any other facial features which intrude into the respirator sealing surface, shall not be fit tested and shall not be allowed to wear a respirator.
- 5.5.3. All records related to respirator fit testing shall be maintained in the employee's file and in the Precision employee database.
- 5.5.4. To assure proper protection, the facepiece fit shall be checked by the wearer each time the respirator is worn. Test procedures shall include simple field tests (negative and positive fit test).

**5.6 Respirator Inspection, Maintenance and Storage**

- 5.6.1 Employees using respirators must guard against damage to the respirators and immediately replace any defective respirator or respirator parts.
- 5.6.2. Respirators shall be properly maintained per the procedures in Appendix 3 to assure proper performance and maximum employee protection. This maintenance program shall include:

- Periodic inspection of all respirators. Respirators shall be inspected routinely by the user and immediately before each use.
  - Regular cleaning and sanitizing of respirators. (All equipment shall be cleaned and sanitized on a daily basis when used.)
  - Inspection of respirator component parts when they are cleaned and replacement of defective parts.
- 5.6.3. Respirators shall be cleaned after each use and stored in a convenient and sanitary location. Storage containers for clean respirators, in the form of plastic bags or covered boxes, shall be provided.
- 5.6.4. Respirators shall be stored to protect them from dust, sunlight, heat, extreme cold, excessive moisture, and damaging chemicals. Unprotected respirators can sustain damaged parts or face piece distortion that make them ineffective.
- 5.6.5. Respirators for emergency use, self-contained breathing apparatus (SCBA), and supplied air respirator systems (SAR) shall be thoroughly inspected at least once a month and after each use.



**Irritant Smoke Fit Test Protocol**  
(attach to back of fit test form)

The following test exercises are to be performed for an accepted fit test. Each test exercise shall be performed for one minute. The respirator shall not be adjusted once the fit test exercises begin. Any adjustment voids the test, and the fit test must be repeated. The test subject shall perform exercises, in the test environment, in the following manner:

- (1) Normal breathing. In a normal standing position, without talking, the subject shall breathe normally.
- (2) Deep breathing. In a normal standing position, the subject shall breathe slowly and deeply, taking caution so as not to hyperventilate.
- (3) Turning head side to side. Standing in place, the subject shall slowly turn his/her head from side to side between the extreme positions on each side. The head shall be held at each extreme momentarily so the subject can inhale at each side.
- (4) Moving head up and down. Standing in place, the subject shall slowly move his/her head up and down. The subject shall be instructed to inhale in the up position (i.e., when looking toward the ceiling).
- (5) Talking. The subject shall talk out loud slowly and loud enough so as to be heard clearly by the test conductor. The subject can read from a prepared text such as the Rainbow Passage, count backward from 100, or recite a memorized poem or song. *Note: Rainbow Passage cannot be performed during an irritant smoke fit test since eyes must remain closed.*

***Rainbow Passage***

*When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above, and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond reach, his friends say he is looking for the pot of gold at the end of the rainbow.*

- (6) Bending over. The test subject shall bend at the waist as if he/she were to touch his/her toes.
- (7) Normal breathing. Same as exercise (1).

***Irritant Smoke (Stannic Chloride) Protocol***

- (1) The respirator to be tested shall be equipped with high efficiency particulate air (HEPA) or P100 series filter(s).
- (2) Only stannic chloride smoke tubes shall be used for this protocol.
- (3) No form of test enclosure or hood for the test subject shall be used.
- (4) The smoke can be irritating to the eyes, lungs, and nasal passages. The test conductor shall take precautions to minimize the test subject's exposure to irritant smoke. Sensitivity varies, and certain individuals may respond to a greater degree to irritant smoke.
- (5) The fit test shall be performed in an area with adequate ventilation to prevent exposure of the person conducting the fit test or the build-up of irritant smoke in the general atmosphere.
- (6) The person being fit tested shall don the respirator without assistance, and perform the required user seal check(s).
- (7) The test subject shall be instructed to keep his/her eyes closed.
- (8) The test operator shall direct the stream of irritant smoke from the smoke tube toward the face seal area of the test subject, using the low flow pump or the squeeze bulb. The test operator shall begin at least 12 inches from the facepiece and move the smoke stream around the whole perimeter of the mask. The operator shall gradually make two more passes around the perimeter of the mask, moving to within six inches of the respirator.
- (9) If the person being tested has not had an involuntary response and/or detected the irritant smoke, proceed with the test exercises.
- (10) Exercises, 1 through 7 listed above, shall be performed by the test subject while the respirator seal is being continually challenged by the smoke, directed around the perimeter of the respirator at a distance of six inches.
- (11) If the person being fit tested reports detecting the irritant smoke at any time, the test is failed. The person being retested must repeat the entire fit test procedure. **If the irritant smoke is not detected then the fit test is passed.**

## APPENDIX 2

### Precision Environmental's Accepted Fit Test Protocols (OSHA 1910.134 Appendix A)

#### A. Fit Testing Procedures -- General Requirements

Precision's Supervisors or designated medical provider shall conduct fit testing using the following procedures.

1. The test subject shall be allowed to pick the most acceptable respirator from a sufficient number of respirator models and sizes so that the respirator is acceptable to, and correctly fits, the user.
2. Prior to the selection process, the test subject shall be shown how to put on a respirator, how it should be positioned on the face, how to set strap tension and how to determine an acceptable fit. A mirror shall be available to assist the subject in evaluating the fit and positioning of the respirator. This instruction may not constitute the subject's formal training on respirator use, because it is only a review.
3. The test subject shall be informed that he/she is being asked to select the respirator that provides the most acceptable fit. Each respirator represents a different size and shape, and if fitted and used properly, will provide adequate protection.
4. The test subject shall be instructed to hold each chosen facepiece up to the face and eliminate those that obviously do not give an acceptable fit.
5. The more acceptable facepieces are noted in case the one selected proves unacceptable; the most comfortable mask is donned and worn at least five minutes to assess comfort. Assistance in assessing comfort can be given by discussing the points in the following item A.6. If the test subject is not familiar with using a particular respirator, the test subject shall be directed to don the mask several times and to adjust the straps each time to become adept at setting proper tension on the straps.
6. Assessment of comfort shall include a review of the following points with the test subject and allowing the test subject adequate time to determine the comfort of the respirator:
  - (a) Position of the mask on the nose
  - (b) Room for eye protection
  - (c) Room to talk
  - (d) Position of mask on face and cheeks
7. The following criteria shall be used to help determine the adequacy of the respirator fit:
  - (a) Chin properly placed;

- (b) Adequate strap tension, not overly tightened;
  - (c) Fit across nose bridge;
  - (d) Respirator of proper size to span distance from nose to chin;
  - (e) Tendency of respirator to slip;
  - (f) Self-observation in mirror to evaluate fit and respirator position.
8. The test subject shall conduct a user seal check, either the negative and positive pressure seal checks described in Appendix 4 of this section or those recommended by the respirator manufacturer which provide equivalent protection to the procedures in Appendix 4. Before conducting the negative and positive pressure checks, the subject shall be told to seat the mask on the face by moving the head from side-to-side and up and down slowly while taking in a few slow deep breaths. Another facepiece shall be selected and retested if the test subject fails the user seal check tests.
  9. The test shall not be conducted if there is any hair growth between the skin and the facepiece sealing surface, such as stubble beard growth, beard, mustache or sideburns which cross the respirator sealing surface. Any type of apparel which interferes with a satisfactory fit shall be altered or removed.
  10. If a test subject exhibits difficulty in breathing during the tests, she or he shall be referred to a physician or other licensed health care professional, as appropriate, to determine whether the test subject can wear a respirator while performing her or his duties.
  11. If the employee finds the fit of the respirator unacceptable, the test subject shall be given the opportunity to select a different respirator and to be retested.
  12. Exercise regimen. Prior to the commencement of the fit test, the test subject shall be given a description of the fit test and the test subject's responsibilities during the test procedure. The description of the process shall include a description of the test exercises that the subject will be performing. The respirator to be tested shall be worn for at least 5 minutes before the start of the fit test.
  13. The fit test shall be performed while the test subject is wearing any applicable safety equipment that may be worn during actual respirator use, which could interfere with respirator fit.
  14. Test Exercises.
    - (a) The following test exercises are to be performed for Precision's accepted fit test protocols as prescribed in this appendix. The test subject shall perform exercises, in the test environment, in the following manner:
      - (1) Normal breathing. In a normal standing position, without talking, the subject shall breathe normally.