



Grayling

6072

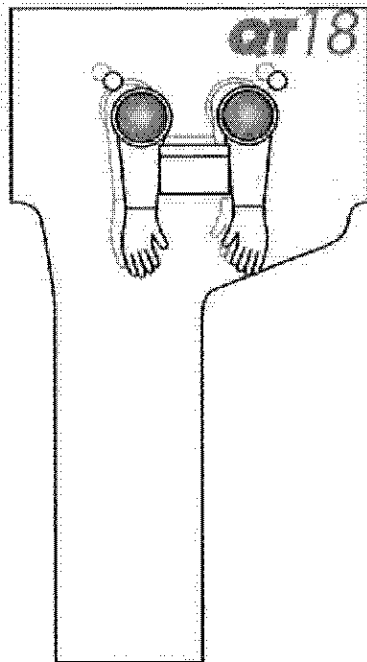
AVAIL Standard  
Glovebag System for  
Long and Short Pipe Runs



QT18

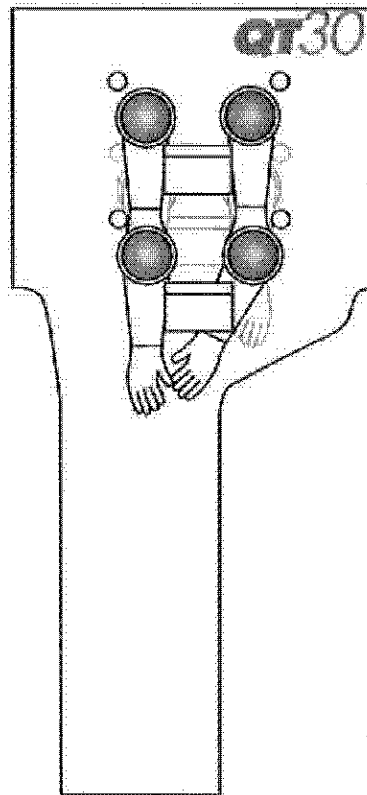
**DANGER**  
CONTAINS TOXIC AND FLAMMABLE LIQUIDS  
WASH YOUR HANDS AFTER USE  
KEEP AWAY FROM CHILDREN

**LUCKY TWIST**



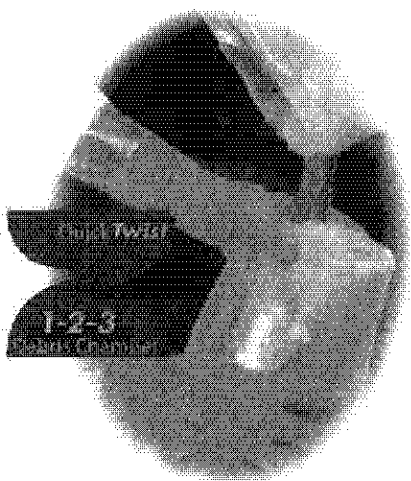
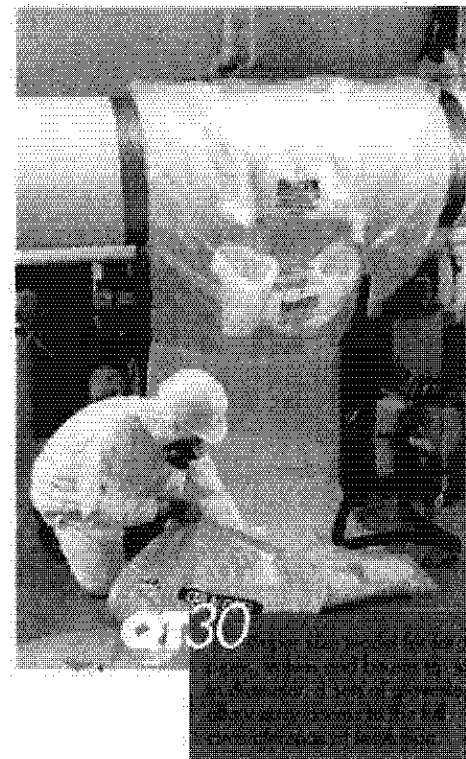
**QT18**

Large pipe diameters from 14" to 18" are no problem for this QT18 model. Two sets of glovesleeves let the worker easily reach and remove pipe insulation. This bag is a direct replacement of the 6684 style glovebag.



**QT30**

This super sized AVALL model handles pipe diameters from 18" to 30" and directly replaces the 72120. Ideal for larger pipes, valves and fittings where more work area is required. Three sets of glovesleeves let workers remove insulation on large diameter pipe.



The **QuickTwist 1-2-3** debris chamber makes it easy for workers to securely and safely separate debris laden bags from pipe. The new design incorporates a narrower and taller waste area so that less bunching is required to twist close the glovebag. After waste is funneled into the chamber, the worker easily twists it closed at the top and tapes the neck to prevent escape of dangerous fibers.

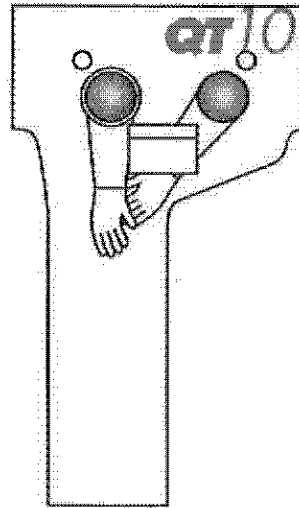




Grayling AVAIL brand glovebags enjoy the industry reputation of being the highest performing, easiest to use, and safest method to remove asbestos insulation from pipe. It is no wonder that more professionals choose AVAIL than any other brand. AVAIL glovebags have been used to remove over 50 million linear feet of pipe insulation.

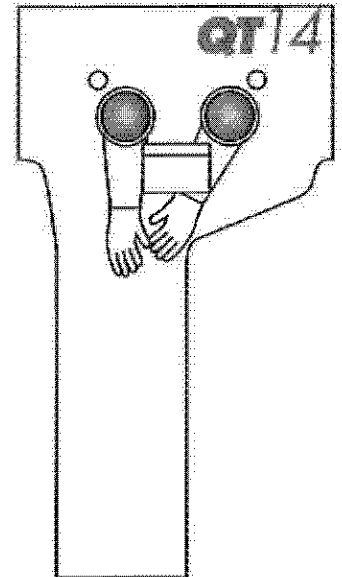
The AVAIL QuickTwist model incorporates all the safety and labor saving features of other AVAIL glovebags, plus a new debris chamber design that makes it safer and easier for workers to twist off the waste area. The QuickTwist design has two distinct work zones, the removal area and the debris chamber. This two-stage design makes it safer and easier for workers to remove and securely separate debris-laden bags from pipe. The QuickTwist incorporates a larger work area with a narrower and taller debris chamber so that less bunching is required to twist close the glovebag. The increased work area gives the worker greater freedom inside the glovebag to access difficult pipe insulation. Each debris chamber is tall enough to handle intact sections of pipe insulation, less breakage of debris means lower fiber counts. After waste is funneled into the chamber, the worker easily twists it closed at the top and tapes the neck to prevent escape of dangerous fibers. The QuickTwist debris chamber is more puncture and tear resistant than any glovebag ever made. Made from PHD, a specially engineered polymer that incorporates all the strength and durability of low and high-density polyethylene.

All AVAIL bags come packaged in a convenient dispensing box that protects the unused bags from damage due to handling. The bags are on a roll and can be cut off and used in sections of 1, 2, 3 or more. 6 mil is standard construction.



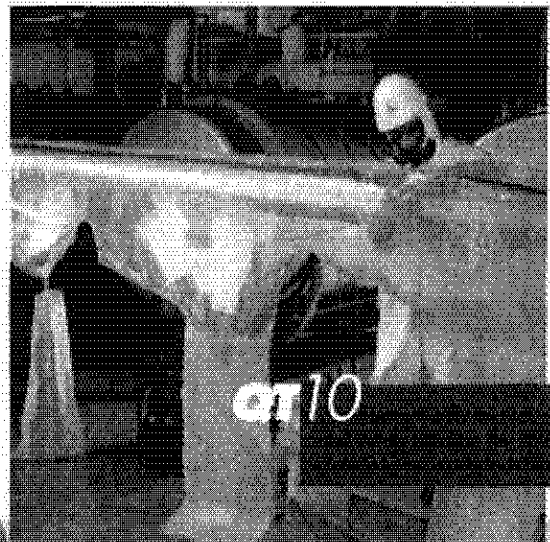
#### **QT10**

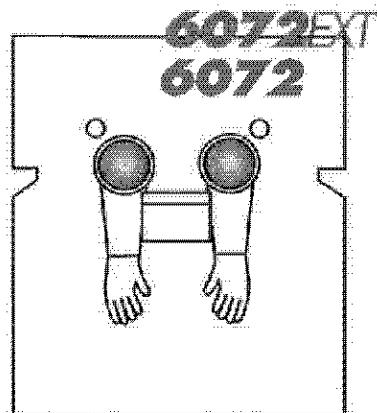
The most popular, and versatile glovebag in the collection, the QT10 fits pipe diameters up to 10". It handles 40% more insulation than a 4460 style glovebag. This bag directly replaces the 4460 through 6060 style glovebags.



#### **QT14**

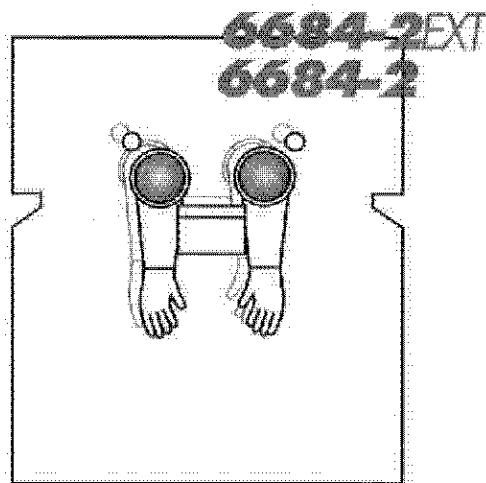
When larger diameters of pipe are encountered, the QT14 is a workhorse. It safely encloses pipe diameters from 10" to 14". A perfect replacement for the 6072 style glovebag.





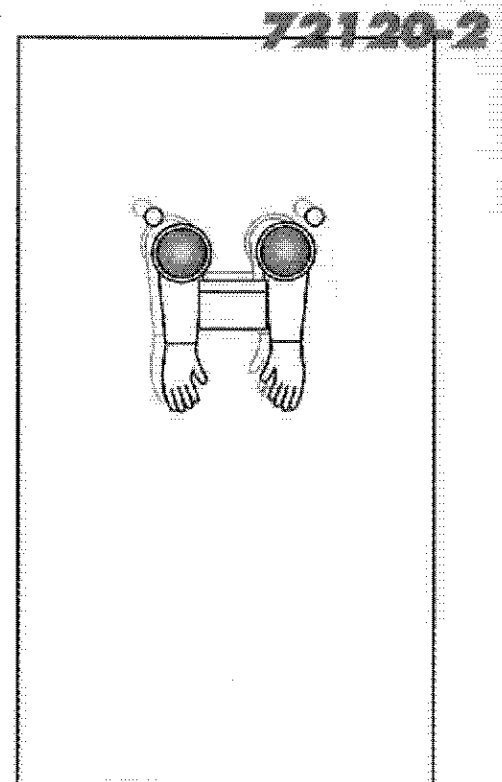
**6072EXT & 6072**

The Avail workhorse for larger pipe diameters from 10" to 14". Chambers measure 60"x72" with one glovesleeve set, port set, quick attach collars and 6-mil construction.



**6684-2EXT & 6684-2**

This Avail bag eliminates awkward bag twisting to reach around the pipe diameter with two sets of glovesleeves. Ideal for pipe diameters 14" to 18". Each chamber measures 66"x84" and has a port set, quick attach collars and 6-mil construction.



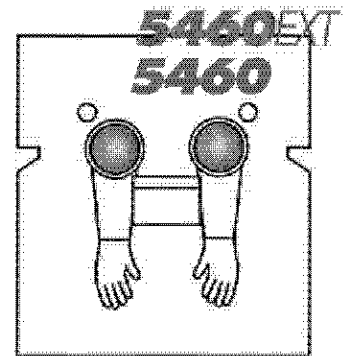
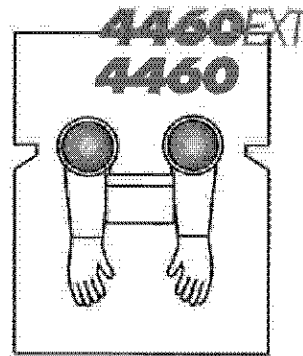
**72120-2**

This super sized AVAIL model handles pipe diameters from 18" to 30". Ideal for larger pipes, valves and fittings where more work area is required. Two sets of glovesleeves let workers easily remove insulation on large diameter pipes. Measures 72"x120" with a port set and 6-mil construction.

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All AVAIL bags come packaged in a convenient dispensing box that protects the unused bags from damage due to handling. The bags are on a roll and can be cut off and used in sections of 1, 2, 3 or more. 6 mil is standard construction.

Extended-run glovebags dramatically increase productivity and safety by eliminating multiple bag set-up labor and reducing jobsite fiber counts. The extended-run design is more efficient because it encloses a larger work area per bag and allows workers to remove more insulation than when used as a single bag.

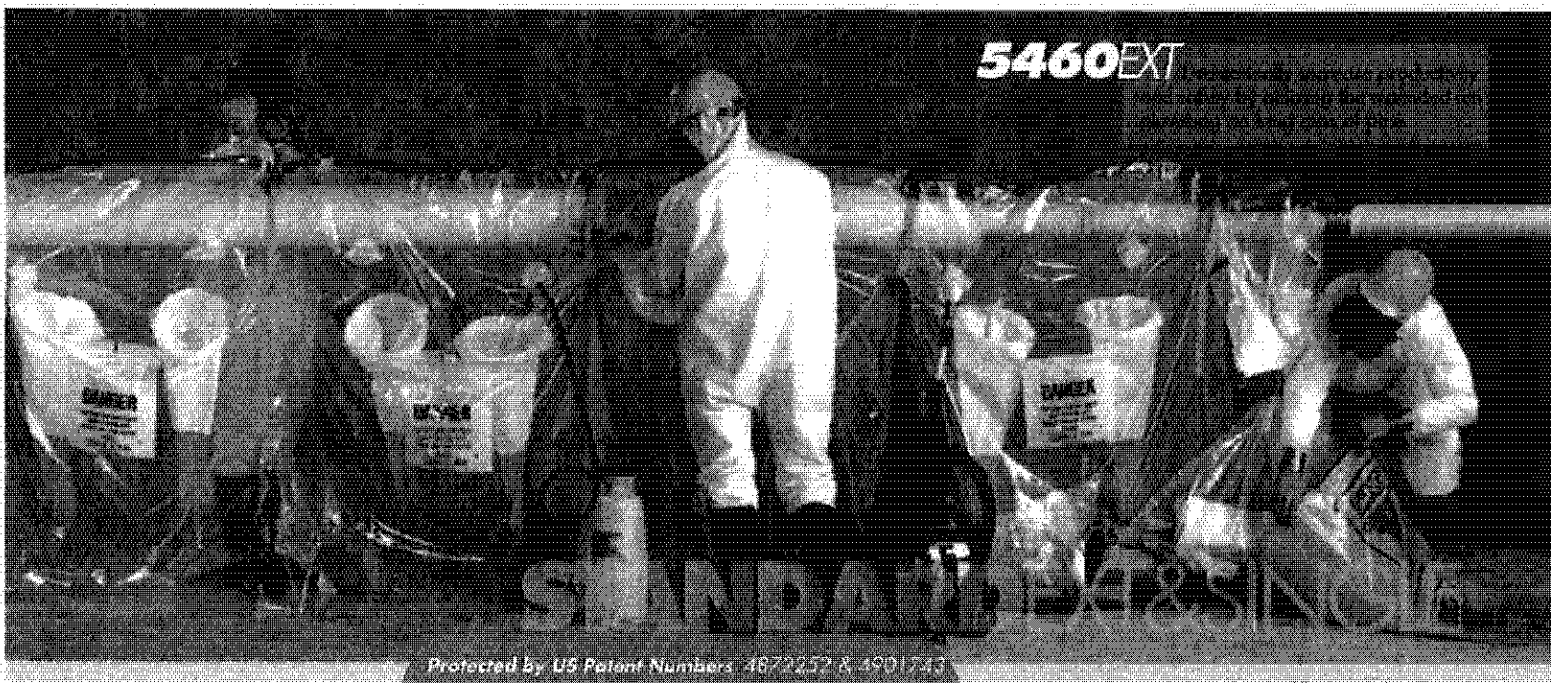


**4460EXT & 4460**

The basic economy Avail glovebag encloses pipe diameters up to 8". Each chamber measures 44"x60" with one arm set per chamber, 6-mil construction. Available in the popular Extended-run design on a roll or as pre-cut single bags.

**5460EXT & 5460**

This full featured Avail glovebag sets the industry standard for efficiency on pipe diameters up to 10". Available in the popular Extended-run design on a roll or as pre-cut single bags. Each chamber measures 54"x60" with one arm set, and ports per chamber, 6-mil construction.



6684-2

HAZARDOUS WASTE  
MANAGEMENT



HAZARDOUS WASTE MANAGEMENT





Grayling

Not all applications are long runs of horizontal pipe. These Special Application AVAIL glovebags make your workers more productive on difficult vertical pipe, small valves and large vessels.

The AVAIL M6 is the perfect bag for small maintenance and repair operations where the work is on small pipe, valves and gaskets. The M6 has pre-cut openings, collars and fiberguard glovesleeves like the other AVAIL models.

Avail glovebags for vertical applications improve worker productivity by design features which assist in the removal process. Debris weight and bulk is channeled away from the work area by the built debris chamber. Awkward twisting and turning of the bag is eliminated due to the work area being separated from the debris area. Installation is quick, safe and secure with fitted collars and pre-cut bag openings.

**M6** The perfect bag for repair and maintenance operations where the work is on small sections of vertical pipe.

# AVAIL Special Application Glovebag System



ap<sup>TM</sup>  
durapax

Disposal  
Bags  
for asbestos  
abatement

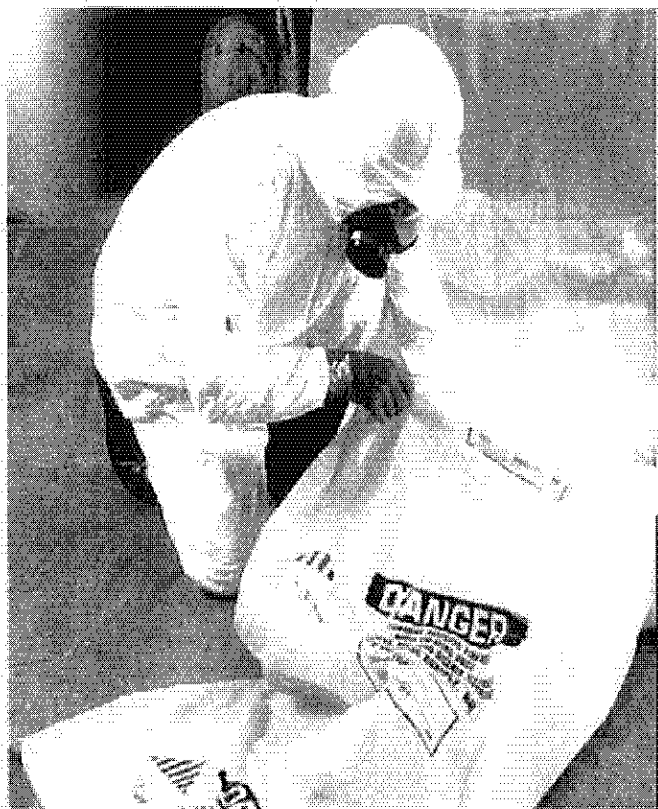


Grayline<sup>TM</sup>

**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.  
 1000 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.

