



### Purpose

The purpose of this document is to reduce the risk of exposure to asbestos containing material (ACM), presumed ACM, other respirable fibers, and crystalline silica.

### Scope

The following is in scope and out of scope for this document.

In scope	Out of scope
<p>Work involving inspection, sampling, laboratory analysis, agency notifications, maintenance, abatement, and disposal of:</p> <ul style="list-style-type: none"> <li>• Asbestos,</li> <li>• Refractory ceramic fiber (RCF),</li> <li>• Crystalline Silica,</li> <li>• Other respirable fibers.</li> </ul>	<p>Work involving respiratory particulates:</p> <ul style="list-style-type: none"> <li>• Welding fumes.</li> <li>• Other particulate matter.</li> </ul>

### Worker training

Worker training is required as below:

Position	Asbestos	Silica
<b>Work Supervisor</b>	<ul style="list-style-type: none"> <li>• Asbestos Operations and Maintenance (16 Hours) for Class III Maintenance Work</li> <li>• Asbestos Abatement Certification for Contractors &amp; Supervisor (40 Hours) for Class I &amp; II Removal</li> </ul>	<ul style="list-style-type: none"> <li>• Competent Person</li> </ul>
<b>Affected workers</b>	<ul style="list-style-type: none"> <li>• Asbestos Operations and Maintenance (16 Hours) for Class III Maintenance Work</li> <li>• Asbestos Awareness Training (4 Hours) Class IV work</li> <li>• Awareness training for handling containerized asbestos waste (2 hour)</li> </ul>	<ul style="list-style-type: none"> <li>• Silica Awareness</li> </ul>
<b>COPA Industrial Hygienist or HSE Specialist taking Bulk Samples</b>	<ul style="list-style-type: none"> <li>• EPA/AHERA Inspector Certification (24 Hours)</li> <li>• Certified Industrial Hygienist (CIH)</li> </ul>	<ul style="list-style-type: none"> <li>• Competent Person</li> </ul>



**Notify HSE representative**

Supervisors must notify HSE before work begins if it may involve in scope materials above, even if the material composition has not been confirmed. Contact the area Safety Specialist or COPA Industrial Hygienist with questions.

**Occupational exposure levels**

Occupational exposure levels for crystalline silica and RCF are maintained by Corporate HSE. Action level for crystalline silica is 25 micrograms/m<sup>3</sup>.

For Asbestos:

- TWA 8 hr PEL is 0.1 fiber/cc
- 30-minute EL is 1.0 fiber/cc

**Where might each stressor be found**

Below are examples of where each stressor might be found. This is not an exhaustive list, but examples:

Asbestos	Silica	RCF
Insulation, pipe saddles, vinyl flooring, handling containerized asbestos waste.	Concrete, pyrocrete, inside heaters.	Insulation, heaters.

**Agency notification requirements**

Agency notifications are required as below.

Agency	Required Notification
EPA	<ul style="list-style-type: none"> <li>• Only if the work involves at least 250 linear feet of pipe, 160 sq. ft. or 35 cubic ft.</li> <li>• <a href="#">Link to form.</a></li> <li>• Must be at least 10 working days prior to commencing work.</li> </ul>
Alaska Department of Labor	<ul style="list-style-type: none"> <li>• Submittal or work plan, approval is required before job can begin.</li> <li>• <a href="#">Link to form.</a></li> </ul>

**Identification and sampling of materials**

An asbestos survey must be completed prior to work that may involve asbestos containing material. The surveyor must be an EPA-accredited asbestos inspector. Samples must be analyzed by a NVLAB accredited laboratory.



### Work classification

Asbestos work classifications.

Class I and Class II	Class III (Maintenance)	Class IV (Housekeeping)
<ul style="list-style-type: none"> <li>Must be performed by certified asbestos abatement Contractors.</li> </ul>	<ul style="list-style-type: none"> <li>Gasket removal and replacement.</li> <li>Handling/removing insulation (glove bag).</li> </ul>	<ul style="list-style-type: none"> <li>Handling containerized ACM waste.</li> <li>Final housekeeping of job site.</li> <li>Tool wipe down.</li> </ul>

Contact Safety Specialist or COPA Industrial Hygienist for support or questions.

### Waste management

Contact your Field Environmental Coordinator regarding waste management. More information is available in the [HSE desk reference](#).

### Medical surveillance

Medical surveillance is required when:

Asbestos	Crystalline Silica
If exposed to PEL or higher or engaged in a combination of class I, II or III asbestos work for more than 30 days per year.	Must be made available if exposed to action level or higher for more than 30 days per year.