

Sample Silica Exposure Control Plan (General Industry)

Company: ABC Metals	
Location: 3910 Main Street Any town, PA 23432	Person Compiling the Plan/Title: Amanda Smith, Safety Manager
Material: Abrasive Blasting Grit – Silica Sand	Task: Abrasive Blasting metal
Equipment and Control(s): Enclosed Abrasive Blasting Room with Local Exhaust (down draft) ventilation – Respiratory Protection	
Task/Control Description: Abrasive blasting of steel using grit containing crystalline silica (sand). Abrasive blasting conducted in blasting room isolated from rest of shop. Room is designated as a Regulated area. The room is equipped with local exhaust ventilation. Operator wears a Type CE respirator, coveralls, gloves, and hearing protection during abrasive blasting. Half-mask APR respirator (N-95) is worn during cleanup of used grit from floor. Compressed air is not to be used to clean floor or equipment.	

Safety of Others:

The abrasive blasting room is identified as a Regulated Area. Warning signs are posted at all entrances to the room. Unauthorized employees are restricted from entering the area. Any persons authorized to enter the restricted area while in operation, or during cleaning activities, will be provided with appropriate respiratory protection. Individuals not authorized for respirator use will not be allowed to enter the restricted area while in operation, or during cleaning activities that can generate airborne respirable crystalline silica.

Worker Training:

Employees must be trained in silica hazard, proper work procedures to control dust, proper use of safety equipment, and respirator use. Training is provided through combination of tool box safety talks and formal “classroom” training.

Housekeeping:

Dry sweeping will be prohibited. Wet sweeping, HEPA filtered vacuuming or other methods will be used, unless not feasible. Compressed air will not be used to clean equipment or worker clothing. HEPA vacuum will be provided to clean clothing.

Medical Surveillance:

All employees exposed to respirable crystalline silica at or above the OSHA Action Level for 30 or more days per year will be included in the Medical Surveillance Program which includes initial examination (medical history, physical examination with emphasis on respiratory system, chest x-ray, pulmonary function test, testing for latent tuberculosis infection, and any other tests deemed necessary by the physician). Periodic examinations will also be provided at least every three years.

Other Considerations:

Hearing protection will be provided for employees directly and indirectly involved in abrasive blasting operations.

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