

# Written Exposure Control Plan

Project: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**1. Tasks creating silica dust:**

- a. Stationary masonry saw \_\_\_\_\_
- b. Handheld power saw and chop/cutoff saw \_\_\_\_\_
- c. Handheld power saw - Blade diameter \_\_\_\_\_
- d. Walk-behind saw \_\_\_\_\_
- e. Impact and rotary hammer drill \_\_\_\_\_
- f. Dowel drilling rigs \_\_\_\_\_
- g. Jackhammer and chipping tools \_\_\_\_\_
- h. Handheld grinder other than mortar removal \_\_\_\_\_
- i. Walk-behind milling machine/floor grinders \_\_\_\_\_
- j. Crushing equipment \_\_\_\_\_
- k. Heavy equipment fracture silica-containing material (e.g., hoe-ramming/rock ripping/used during demolition) \_\_\_\_\_
- l. Heavy equipment for grading and excavating tasks \_\_\_\_\_
- m. Other: \_\_\_\_\_

**2. Description of engineering controls and work practices used to limit employee exposure to silica dust for each task:**

- a. Work Shift - >4 Hours \_\_\_\_\_ ≤4 Hours \_\_\_\_\_
- b. Indoors/enclosed area \_\_\_\_\_
  - i. Exhausted \_\_\_\_\_
- c. Outdoors \_\_\_\_\_
- d. HEPA Vacuum \_\_\_\_\_
- e. Dust collection system \_\_\_\_\_
- f. Shroud \_\_\_\_\_
- g. Wet method \_\_\_\_\_
- h. Supplemental water spray combined with a surfactant \_\_\_\_\_
- i. Integrated water delivery system \_\_\_\_\_
- j. Dust collector that provides ≥25 cfm airflow per inch of wheel diameter & filter with 99% efficiency and filter-cleaning mechanism \_\_\_\_\_
- k. Deliver water spray/mist at crusher and points where dust is generated, e.g., hoppers, conveyers, sieves, vibrating components, and discharge points \_\_\_\_\_
- l. Operate equipment from within enclosed cab \_\_\_\_\_
- m. Outside of the cab apply water/suppressants \_\_\_\_\_
- n. Equipment operator only employee engaged in task, within an enclosed cab \_\_\_\_\_
- o. Use in accordance with manufacturer's instructions \_\_\_\_\_
- p. Other: \_\_\_\_\_

**3. Description of housekeeping measures to limit employee exposure to silica dust:**

- a. No dry sweeping/brushing \_\_\_\_\_
- b. HEPA-filtered vacuuming \_\_\_\_\_
- c. Wet sweeping \_\_\_\_\_
- d. Vacuum for slurry recovery \_\_\_\_\_
- e. HEPA-filtered vacuuming \_\_\_\_\_
- f. No compressed air to clean clothing/surfaces \_\_\_\_\_
- g. Compressed air used with ventilation system \_\_\_\_\_
- h. No alternative method is feasible \_\_\_\_\_

Explain:

\_\_\_\_\_

**4. Description of procedures to restrict access to work areas:**

- a. Signs \_\_\_\_\_
- b. Barrier Tape \_\_\_\_\_
- c. Security Guard \_\_\_\_\_

Explain:

\_\_\_\_\_

**5. Personal Protective Equipment:**

- a. Hardhat \_\_\_\_\_
- b. Earplugs \_\_\_\_\_
- c. Safety Glasses \_\_\_\_\_
- d. Face Shield \_\_\_\_\_
- e. Whole body covering \_\_\_\_\_
- f. Gloves \_\_\_\_\_
- g. Boots \_\_\_\_\_
- h. Adequate lighting \_\_\_\_\_
- i. Respirator:
  - i. Dust mask \_\_\_\_\_
  - ii. 1/2 Mask HEPA \_\_\_\_\_
  - iii. Full Mask HEPA \_\_\_\_\_
  - iv. PAPR HEPA \_\_\_\_\_
  - v. PAPR Hood \_\_\_\_\_
  - vi. PAPR Helmet
    - 1. Type C \_\_\_\_\_
    - 2. Type CE \_\_\_\_\_

Competent Person:

Print: \_\_\_\_\_ Sign: \_\_\_\_\_

Review and evaluation date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Changes/additions in Red:

Exposure control plan is available for examination and copying to each employee, their designated representatives, the Assistant Secretary and the Director at corporate office.

The competent person to make frequent and regular inspections of job sites, materials, and equipment to implement the written exposure control plan.