

**Written Exposure Control Plan for** CUTTING ASPHALT & CONCRETE

**Company:** CITY OF ABC **Date:** 1/01/2019

**Person Completing the Plan, Title:** JOE INCOGNITO, PUBLIC WORKS DIRECTOR

**Competent Person:** JOHN DOE, ROAD FOREMAN

**Job site/location:** ALL ROAD RECONSTRUCTION PROJECTS

**Description of Task:** CUTTING CONCRETE AND PAVEMENT WITH HANDHELD SAW WITH INTEGRATED WATER DELIVERY SYSTEM AS IDENTIFIED IN SECTION 1926.1153 TABLE 1. DURATION OF TASK LESS THAN 4 HOURS.

Routine task, new task, indoors/outdoors, task found on Table 1?

- Part 590, 1910.1053 General Industry (References Table 1) – review necessary? Y or N**
- Part 690, 1926.1153 Construction (Includes Table 1) - review necessary? Y or **(N)****

**Engineering Controls:**

HANDHELD SAW WILL HAVE INTEGRATED WATER DELIVERY SYSTEM THAT CONTINUOUSLY FEEDS WATER TO THE BLADE, AS INDICATED IN SECTION 1926.1153 TABLE 1.

Any deviation from Table 1 = air monitoring is required. Engineering controls must be used at all times!

*(e.g. wet methods, continuous water feed, local exhaust ventilation w/ HEPA filters, commercially available shrouds, commercial dust collection system, cyclone pre-separator/filter cleaning system, surfactant used, and ventilation  $\geq 25$  cfm/inch of wheel diameter, enclosed cab w/ fresh climate controlled air to operator, employees outside of cabs applying water/dust suppressants, equipment maintained to minimize dust emissions.)*

**Work Practices:**

CUTTING ASPHALT AND CONCRETE TYPICALLY CONSISTS OF 2-3 EMPLOYEES. THE HANDHELD SAW IS CHECKED PERIODICALLY, PER MANUFACTURERS SPECIFICATION, AND MAINTAINED IN GOOD WORKING ORDER. DURATION OF TASK IS LESS THAN 4 HRS.

*(e.g. maintain equipment functionality – cleaned/spare filters, hoses to start; good connections; hoses with no holes, kinks, permanent bends, crushed; power source available; water source available, ensure ventilation is  $\geq 25$  cfm/inch of wheel diameter; water/exhaust ventilation lines safe from damage; shrouds/cowls fit correctly and not damaged; follow Manufacturer’s instruction for filter cleaning/change out.)*

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### **Respiratory protection:**

THE TASK DURATION IS LESS THAN 4 HOURS. PER 1926.1153, TABLE 1, NO RESPIRATORY PROTECTION IS REQUIRED.

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*(e.g. use respirator with APF = 10 the entire time the task is being performed – See Table 1)*

See Part 451 – Respiratory Protection rule (1910.134) for information on selection, training and fit testing requirements, and proper use instruction for respirators (i.e., no facial hair interfering with the respirator sealing surface).

### **Housekeeping:**

PAVEMENT IS SWEEPED WITH A STREET SWEEPER. SWEEPER IS EQUIPPED WITH AN ENCLOSED CAB WITH HEPA-FILTER, INTEGRATED WATER DELIVERY SYSTEM AND VACUUM. SEE "SWEEPING ACTIVITY EXPOSURE CONTROL PLAN".

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*(e.g. dust containing silica on work surfaces/equipment must be cleaned up using wet methods of HEPA equipped vacuum, no use of compressed air or dry sweeping for removing dust and debris containing silica, dispose of used vacuum bags in a closed sealed container).*

### **Procedures Used to Restrict Access to Work Area (Construction = optional, GI = required if exposures exceed the permissible exposure limit, PEL):**

OSHA INDICATES THAT IT IS UNLIKELY FOR HANDHELD SAWING ACTIVITIES EMPLOYING TABLE 1 TO EXCEED THE PEL AND THEREFORE NO FURTHER ACTION IS REQUIRED.

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*(e.g. signage, barricades, enclosures, spotters, work when area is cleared of other contractors to reduce risk of exposure.)*

### **Objective data use (Optional) – Yes or NO**

Data Source:  
N/A

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Data conditions from the source exactly matches the work conditions? **Yes or No**  
*(Same conditions, equipment, process, controls, material silica %, environmental.)*

### **REVIEW THIS PLAN WITH ALL EMPLOYEES.**

- Keep a copy of this plan at the jobsite.
- Provide this plan of action to the General Contractor (if applicable).
- Review and update annually.