**Silica Exposure Safety Program &**

**Written Exposure Control Plan**

# *Subcontractor*:

# *Masonry ‘Subcontractor’*

# General Contractor:

# *Hensel Phelps Construction Co.*

# Project Name and Address:

# SB1022 – Classrooms & Vocational Training Center Project

# 2456 Claybank Road

# Fairfield, CA

# PURPOSE

The purpose of this Silica Exposure Safety Program and Written Exposure Control Plan (ECP) is to identify potential sources of employee exposure to Respirable Crystalline Silica dust (“Silica”) and specify the appropriate engineering controls and/or work practices to limit exposure of both work personnel and bystanders. This plan also addresses the use of personal protective equipment requirements where exposures may exceed applicable limits set out in 29 CFR 1926.1153.

# RESPONSIBILITIES

## *‘Subcontractor’/Health & Safety Department* Responsibilities:

* Conduct job site assessments for Silica containing materials and perform employee Respirable Crystalline Silica hazard assessments in order to determine if an employee’s exposure will be above 25 μg/m3 as an 8-hour TWA under any foreseeable conditions

## *Competent Person Responsibilities:*

* Make frequent and regular inspections of job sites, materials, and equipment to implement the written ECP.

## *Employee Responsibilities:*

* Use the assigned PPE in an effective and safe manner.

# RISK/EXPOSURE ASSESMENT

## Specified Exposure Control Methods

When possible and applicable, *‘Subcontractor’* will conduct activities with potential Silica exposure to be consistent with OSHA’s Table 1 – Specified Exposure Control Methods and other recognized hazards as established in the project’s ECP and this program.

**Cutting CMU Block**

* Concrete Masonry Unit blocks will be field cut with either a Stationary Masonry saw or Handheld Power Saw.
* All control measures specified in table 1 of Title 8 section 1532.3(c)(1) Silica standard will be followed for section (i) Stationary Masonry saw

## Respiratory Personal Protection Equipment (PPE)

Where respiratory protection is required by this program, *‘Subcontractor’* will provide each employee an appropriate respirator that complies with the requirements of the company’s Respiratory Protection Program and the OSHA Respiratory Protection Standard (29 CFR 1910.134).

## Hazard Communication

*‘Subcontractor’* will include Respirable Crystalline Silica in the company’s Hazard Communication Program established to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200).