**Silica Exposure Control Plan**

**General Industry and Maritime**

*The text will change based on the tasks and exposure assessment results.*

**Company:** Countertops, Inc.

**Person Completing the Plan, Title:** Mary Smith, Owner

**Description of Task:**

* Stone or engineered stone slabs are cut using a gantry saw.
* Stone or engineered stone slabs are ground using an electric, handheld angle-grinder.
* Stone or engineered stone slabs are polished using a high-speed polisher.

**Task/Control Description**

* The gantry saw is operated with recirculated water in an enclosed, ventilated booth.
* The handheld grinders and polishers are operated using water, except for specialty cuts that are performed dry, in which case the grinder is equipped with a shroud attached to a HEPA-filtered vacuum.

**Work Practices (for tasks described above that use wet method controls):**

* Use a hose to wet the slab off before cutting, grinding, or polishing each section.
* Make sure the slab is positioned underneath the local exhaust hood when sawing, and check flow rate of that local exhaust hood daily.
* Make sure that water is continuously delivered to the point of cutting, grinding, or polishing.
* Change recirculated water if silt build-up occurs.
* Check for proper function of controls by making sure water is flowing to the blade.

**Work Practices for Dry Grinding and Polishing:**

* Check that shroud is intact and properly installed. Keep shroud flush with working surface, whenever possible.
* Check that vacuum hosing is intact and not kinked or bent.
* Clean or change filters as needed to prevent clogging.
* Check for proper function of controls by making sure visible dust does not increase

**Respiratory protection:**

1. Respirators are not needed if controls are working and proper work practices are being followed.

**Housekeeping:**

* Hose down floor frequently and at the end of each work shift.
* Clean up wet slurry to prevent it from drying and becoming airborne.