

project highlight

OSU Botany and Plant Pathology Farm Corvallis, OR

Oregon State University wanted to update a large storage room at the Botany and Plant Pathology Farm that had previously been used for pesticides and other agricultural chemicals. However, chemicals had spilled and absorbed into the concrete over the years, and staff was currently wearing masks to enter the space. Upon inspection, Oregon's health department determined the air quality in the room to be unhealthy and recommended demolition and replacement of the slab.

OVERVIEW

Experts recommended SCP Technology based on other projects where colloidal silica was used to purge concrete of contaminants such as iodine, mercury and even honey. With the understanding that Oregon State was responsible for what was purged from the concrete, SCP technicians treated the slab. Within 30 minutes, chemicals started coming out of the concrete and forming puddles. After these were removed with shovels, a second batch of puddles emerged another 30 minutes later. The floor was cleaned after the final puddles were removed, and technicians attempted another application a week later, but the surface was totally sealed and no longer allowed penetration of SCP. When the health department re-inspected, no chemicals could be detected from the slab. They approved the room for occupation, and now it is used as classroom space.

PROJECT DATA

PROJECT

OSU Botany and Plant Pathology Farm
Storage Room

APPLICATION TYPE

Concrete Remediation

PRODUCT TYPE

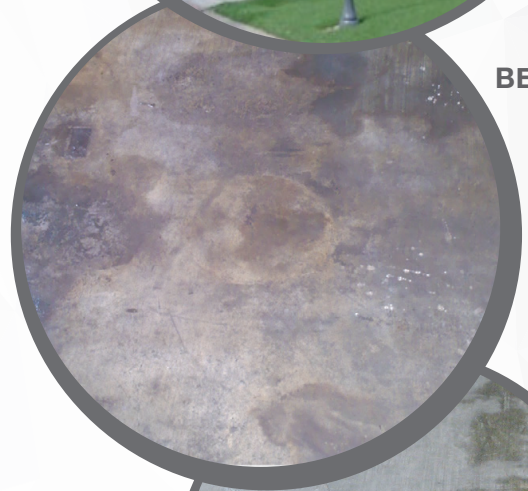
SCP 743

DESIGN CONSULTANT

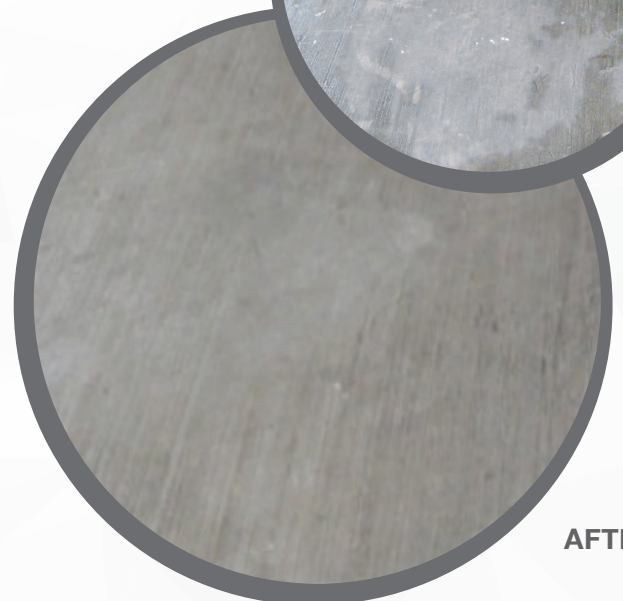
OSU Construction



BEFORE



DURING



AFTER

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