

Practices for Controlling Concrete Curing Compounds

PURPOSE:

Concrete curing compounds are used to form a water tight barrier over newly poured concrete in an effort to prevent evaporation of the water in concrete there by allowing the concrete to cure properly. The purpose of this good housekeeping BMP is to ensure the proper handling, storage and use of concrete curing compounds ("CCC") in order to minimize the discharge of such a pollutant into storm drains and waterways.

USE:

- CCC shall be used in accordance with the manufacturer's directions, including those on its packaging label and in its Material Safety Data Sheet.
- Avoid over spraying of the CCC.
- Minimize drifting of the chemical. Apply an amount of compound that covers the surface but does not allow any runoff the compound.
- All inlets in and around the concrete pouring operation must have inlet filters installed prior to the pouring process.

STORAGE:

- The storage locations for CCC must be identified in the Storm Water Pollution Prevention Plan (SWPPP).
- CCC containers must be properly labeled and a designated storage area must be marked at the storage location.
- CCC containers are to be stored on pallets and shall remain covered to prevent the product from coming into contact with stormwater.
- It is recommended to provide containment BMPs such as a berm around containers.
- CCC must be disposed of in accordance with IEPA regulations and IDOT specifications. All empty containers must be properly disposed of immediately.

INSPECTION:

- All storage locations are to be inspected once a week and after a storm event of ½" or greater.
- CCC containers and equipment should be inspected regularly for leaks.
- Inspect solid waste bins to ensure that these chemicals have not been disposed of improperly.
- If there is a rain event prior to the CCC drying, the time for which varies due to atmospheric conditions and manufacturer, inspect storm drains, ditches and other waterways for the presence of CCC and, if found, instruct the contractor to remove and dispose of properly.
- If an illicit discharge of CCC is detected off the construction project, an Incidence of Non-Compliance (ION) must immediately be submitted to the IEPA.