

STANDARD OPERATING PROCEDURES

Cache County Storm Water Coalition



CACHE COUNTY
Stormwater Coalition

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CONSTRUCTION – During and Post Construction Site Inspection

Description: This section contains information and guidelines for protecting a construction site with BMPs and a SWPPP during and after the construction of a project.

Applicability: Protecting construction sites and surrounding runoff areas.

1. Preparation
 - a. Incorporate a SWPPP in any construction project containing more than one acre in area.

2. Process
 - a. Inspect construction site and surrounding area regularly for possible storm drain contamination.
 - b. Follow SWPPP guidelines and checklists to verify that standards are met.

3. Clean-up
 - a. Remove inlet protection.
 - b. Clean flow paths.

4. Documentation
 - a. Keep any notes or comments of any problems.

STREETS/STORM DRAIN – Concrete Work

Description: This section contains information on proper concrete placement and how to clean a site to prevent excess concrete materials from entering the storm drain system.

Applicability: Performing any maintenance on roadways.

1. Preparation
 - a. Train employees and contractors in proper concrete waste management
 - b. Determine how much new concrete will be needed.
 - c. Locate or construct approved concrete washout facility.

2. Process
 - a. Remove any damaged concrete that may need to be replaced.
 - b. Prepare and compact subbase.
 - c. Set forms and place any reinforcing steel that may be required.
 - d. Moisten subbase just prior to placing new concrete. Place new concrete in forms.
 - e. Consolidate new concrete.
 - f. Screed off surface.
 - g. Let concrete obtain its initial set.
 - h. Apply appropriate surface finish

3. Clean-up
 - a. Perform washout of concrete trucks and equipment in approved washout area.
 - b. Remove and dispose of excess concrete spilled on site. Sweep and remove concrete dust from grinding activities from the site.

4. Documentation
 - a. None

STREETS/STORM DRAIN – Transporting Soil and Gravel

Description: This section contains information for proper site preparation and maintenance while materials are being transported to or from a site. The use of a SWPPP is also recommended.

Applicability: Removing or importing fill materials for a site.

1. Preparation
 - a. Spray down dusty materials to keep from blowing.
 - b. Know and understand the SWPPP requirements for the site you will be working at.

2. Process
 - a. Use a stabilized construction entrance to access or leave the site where materials are being transported to/from.
 - b. Follow the SWPPP requirements for the specific site to/from which the materials are being hauled.
 - c. Do not to overfill materials when loading trucks.

3. Clean up
 - a. Clean up any materials tracked out on the roads from site with street sweeper or by hand methods.
 - b. Wash mud from vehicles before leaving site.

4. Documentation
 - a. Document tracked material cleanup in maintenance logs.

WATER – Transporting Wet Excavated Materials & Spoils

Description: This section contains information for proper transport of wet excavated materials that may have environmental contaminants.

Applicability: Transport of wet excavated materials & spoils.

1. Preparation
 - a. Utilize truck with containment for material.
 - b. Determine disposal site of excavated material.
 - c. Dry materials prior to transporting if possible.
 - d. Install BMP's if necessary for operations.

2. Process
 - a. Load and Transport in manner to minimize spillage & tracking of material
 - b. Check truck for spillage.
 - c. Utilize one route of transport

3. Clean-up
 - a. Clean route of transport to provide cleaning of any spilled material
 - b. Wash out equipment truck and other equipment

4. Documentation

Document beginning of work, completion of work and any cleanup items performed on site.

WATER – Waterline Flushing after Construction/System Disinfection with Discharge with Haul Off (Used for Dust Control/Compaction)

Description: This section contains information for proper waterline flushing and the hauling off of the discharged water in a tanker to use for dust control and compaction

Applicability: Waterline flushing after construction projects or after system disinfection.

1. Preparation
 - a. Determine chlorine content of discharged water.
 - b. Neutralize chlorine content.
 - c. Determine appropriate construction activity for treatment.
 - d. Provide backflow prevention device.

2. Process
 - a. Flush to tanker.
 - b. Conform that application of water is in appropriate location.
 - c. Conform to BMP's at the construction site to prevent tracking.

3. Clean-up
 - a. Remove equipment from flush point.

4. Documentation
 - a. Document beginning of work, completion of work and any cleanup items performed on site.
 - b. Residual test of discharged water.
 - c. Location of water discharged.

WATER – Waterline Flushing after Construction/System Disinfection with Discharge to Storm Drain

Description: This section contains information for proper waterline flushing, protection of inlet structures, and maintaining a clean flow path for waterway after a construction project or system disinfection with discharge to storm drain.

Applicability: Waterline flushing after construction projects or after system disinfection.

1. Preparation
 - a. Determine chlorine content of discharged water. Utilize de-chlorination equipment if necessary.
 - b. Determine flow path of discharge.

2. Process
 - a. Protect inlets in flow path.
 - b. Sweep and clean flow path.
 - c. Use diffuser to reduce velocities.

3. Clean-up
 - a. Remove inlet protection.
 - b. Clean flow paths.
 - c. Remove equipment from flush point.

4. Documentation
 - a. Document beginning of work, completion of work and any cleanup items performed on site.
 - b. Residual test of discharged water.