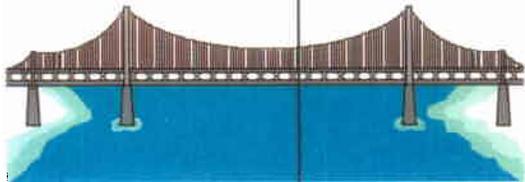




The Storm Water Pollution Prevention Bulletin is prepared by the Storm Water Compliance Review Task Force to aid all projects and operations in maintaining compliance with Storm Water Pollution Prevention regulatory requirements.

Non-Storm Water Discharges...



Lead Paint Abatement using Plastic Shrink Wrap Protection During Construction

Abatement of lead paint on highway and related structures over or near watercourses regulated by the Nation Pollutant Discharge Elimination System (NPDES) Permit requires careful site management and pollution prevention measures. In particular, local watercourses and air must be protected from airborne debris resulting from sand blasting operations.

PROTECTION BY SHRINK WRAPPING

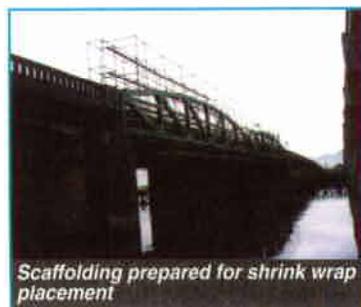
A shrink wrap containment system, consisting of a

polyethelene film installed around an erected scaffold, provides an effective method of protecting air and watercourses from the pollutants generated by sand blasting operations. Once the film is loosely in place, it is heated with a propane torch which causes it to shrink to a tight fit around the scaffold and increases its strength.



Use of a shrink wrap system has important benefits:

- The sealed enclosure provides a higher degree of containment than other methods.
- The polyethylene material is fire retardant.
- Shrink wrap is available in opaque white, which allows sunlight to enter, reflects heat, and reduces visual distractions to the workers and passing motorists.
- Shrink wrap can be repaired with special adhesive tape.
- The sealed skirt and floor of the containment system enable rapid and thorough removal of the contaminants.
- The polyethylene film is recyclable.



SAFETY ISSUES

Safety concerns are vital while using a shrink wrap system. The following hazards must be addressed:

- If solvents are in use, the atmosphere inside the structure must be monitored to guard against conditions in which an explosion may occur.
- Workers must wear protective clothing and respirators as required by OSHA.
- Internal temperatures may rise and can cause heat exhaustion.
- While shrink wrap systems are durable, improper installation may cause significant damage to the system during inclement weather.



Additional information is available in the Caltrans Storm Water Quality Handbooks. Questions or comments may be directed to:

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