

This bulletin is published monthly by the Storm Water Compliance Review Task Force to support the Caltrans maintenance staff in its efforts to achieve and maintain compliance with storm water pollution prevention regulatory requirements.

An important aspect of maintenance facility storm water management is reducing the potential for discharge of hazardous materials and hazardous wastes to storm water drainage systems or natural watercourses. This bulletin reviews hazardous waste and hazardous material practices essential to achieving this objective and to protecting the environment.

Hazardous Material or Waste?

Hazardous materials include products stored at Caltrans maintenance facilities *pending use* by the maintenance staff.

Hazardous wastes include wastes brought back from roadways and used hazardous materials resulting from maintenance activities collected and stored at the maintenance facility *pending proper disposal*.

Hazardous materials and wastes routinely found at maintenance facilities include: fuel and other petroleum products, waste oil, antifreeze, lead-acid batteries, concrete curing compounds, asphalt products, pesticides, herbicides, solvents, paints, and adhesives.

materials indoors. If space limitations necessitate outdoor storage, consideration should be given to preventing hazardous materials from contact with rainwater and runoff.

Hazardous Waste Storage

Hazardous wastes must be stored in U.S. Department of Transportation (DOT) approved containers. Hazardous waste storage areas and aboveground storage tanks should have secondary containment. A spill response kit should be maintained nearby.

Diligent Management • Key to Compliance

Management of hazardous materials/wastes includes:

Planning • Prepare a Hazardous Materials Business Plan, if applicable. A Spill Prevention Control and Countermeasures (SPCC) plan may also be needed for facilities with aboveground petroleum storage tanks.

Training • Conduct employee storm water pollution prevention training, including proper handling of hazardous materials and wastes. This training can be incorporated into tailgate safety meetings.

Supervision • Inspect hazardous waste storage areas weekly. Record inspection date and results on a log kept at each storage area.

Promote Spill Preparedness

Anticipate and prepare for a hazardous spill at the maintenance facility:

- **Plan** — Have a spill response plan in place and train the staff in response procedures.
- **Prepare** — Have enough spill cleanup material (absorbent) available at each hazardous material and waste storage area to clean up a 25-gallon spill.
- **Prevent** — Prevent spills from occurring by implementing the storm water hazardous materials and hazardous wastes BMPs described in this bulletin.

Be Informed

Hazardous material/waste regulations and requirements vary by county. Contact your District Hazmat Manager for more information about the requirements that apply to your facility.



Storm Water Practices for Hazardous Materials and Hazardous Wastes

Additional information is available in the Caltrans Maintenance Manual, Chapter C-6, or from your District Maintenance Storm Water Coordinator. Questions or comments may be directed to Jack Broadbent, Maintenance Storm Water Coordinator, (916) 653-0361

Storage Areas

(Storm Water Considerations)

Storm water Best Management Practices (BMPs) for storing hazardous material and waste include:

- Locating storage areas away from storm water drainage inlets or drainage channels
- Diverting storm water run-on away from hazardous storage areas
- Closing lids on all containers stored outdoors, including empty containers, to prevent rainwater entry
- Labeling hazardous waste areas and containers with the type of waste and the starting accumulation date



Hazardous material container with proper location, cover, and label.

Hazardous Material Storage

Hazardous material should be stored in the original shipping container bearing the manufacturer's label. Store containers with adequate room around them to allow for inspections. If possible, store hazardous