

**Chemical
Use**

**Material
Handling**



- Pollution Prevention
- Pollution Control

Description

Methods to ensure that all chemicals, including pesticides, are handled in a safe manner that protects the applicator and eliminates the potential to pollute stormwater runoff.

Applicability

- This applies to all sites where chemical handling occurs.
- Refer to BMP CU-4 for additional information related to this BMP.

Approach and Standards

- Use less-toxic products when available and appropriate.
- If preparing chemicals, mix small batches at a time to avoid creating excess material that would require storage or disposal.
- Follow manufacturers' instructions regarding chemical uses, protective equipment, ventilation, and flammability.
- Follow the chemical label for the exact rate, mixing and application of herbicides.
- Do not mix or load chemicals where a spill would be likely to enter a storm drain inlet, or channel.

Limitations

No limitations.

Requirements

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Maintenance

- Ensure that mixing tools function properly. Repair or replace tools for mixing as needed.

Costs

Using proper mixing techniques is a potential cost savings. Mixing pesticides in small batches avoids creating excess material that would require storage or disposal.

Training

- Staff must be trained in the safe use of chemicals and proper mixing techniques to prevent accidental leaks, spills and hazards.
- Applicators must be trained in estimating proper rate, mixing, and application of pesticides.

References

California Code of Regulations, 1999.

California Storm Water Quality Task Force, *Stormwater Best Management Practices Construction Handbook*, CA-11, March, 1993.

California Regional Water Quality Control Board, San Francisco Bay Region, *Erosion and Sediment Control Field Manual*, 1998.

Santa Clara Valley Water District, "BMP/PMM List," February, 1999.