

Rural Roads Stormwater Best Management Practices

SCVURPPP Muni Ops AHTG

March 6, 2025

Welcome

- In-person attendees
 - Sign In
 - Evaluation Form – Folder
- On-line attendees
 - Ask questions in Q&A
 - Use Chat for technical issues
 - Evaluation Form – link posted in chat
- Workshop materials will be posted on the SCVURPPP website

Workshop Agenda

9:00 AM	Welcome	Kristin Kerr, Program Staff
9:15 AM	Overview of the Handbook for Forest, Ranch and Rural Roads (PWA) for the Mendocino County Resource Conservation District	Video
9:45 AM	Rural Road Inspection Programs <ul style="list-style-type: none">• Anthony Guzman, P.E. Associate Engineer Valley Water• Edgar Orre, Division Chief, Resource Management Santa Clara Unit, CalFire	Panel Discussion
10:15 AM	MRP Rural Road BMPs and Temporary BMPs for Erosion/Sediment Control	Peter Schultze-Allen, Program Staff
11:00 AM	Adjourn	

Municipal Regional Permit

- San Francisco Bay Municipal Regional Stormwater Permit (MRP)
- Covers 79 cities, counties, and districts in Bay Area
- SCVURPPP assists County, Valley Water and 13 cities/towns in Santa Clara County with compliance
 - SCVURPPP Muni Ops Ad Hoc Task Group (AHTG)



Provision C.2.e Rural Public Works Construction and Maintenance

- Rural
 - Any watershed or portion thereof that is developed with large lot home-sites, such as ≥ 1 acre, or with primarily agricultural, grazing, or open space uses
- Rural Roads
 - Paved
 - Unpaved
 - Utility
 - Access Roads

Provision C.2.e Rural Public Works Construction and Maintenance

- Implement appropriate BMPs
 - to minimize impacts on streams and wetlands in the course of rural road and public works maintenance and construction activities
- Incorporate information about the importance of planning and construction in avoiding water quality impacts into existing training and guidance on permitting requirements for rural public works activities
- Provide training at least twice within Permit term

Video

- PWA in partnership with Mendocino County Resource Conservation District
- *Handbook for Forest, Ranch, and Rural Roads: A Guide for Planning, Designing, Constructing, Reconstructing, Upgrading, Maintaining and Closing Wildland Roads (2015)*

Handbook for Forest, Ranch & Rural ROADS

A Guide For
Planning,
Designing,
Constructing,
Reconstructing,
Upgrading,
Maintaining
And Closing
Wildland Roads

Prepared by
William Weaver, PhD
Eileen Weppner, P.G. • Danny Hagans, CPESC
PACIFIC WATERSHED ASSOCIATES

Video

- MRP BMPs addressed
 - Selecting road design, construction, maintenance, and repairs in rural areas that prevent and control road-related erosion and sediment transport
 - Constructing roads and culverts that do not impact creek functions. New or replaced culverts shall not create a migratory fish passage barrier, where migratory fish are present, or lead to stream instability
 - Maintaining rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts, and address excessive erosion

Video

- MRP BMPs addressed (cont.)
 - Re-grading unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
 - Replacing existing culverts or design of new culverts or bridge crossings shall use measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology in a stable manner

Panel Discussion

- MRP BMPs addressed
 - Identifying and prioritizing rural road maintenance on the basis of soil erosion potential, slope steepness, and stream habitat resources
 - Implementing an inspection program to maintain rural roads' structural integrity and prevent impacts to water quality

Contact Information

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