

TAB 24

Caltrans Stormwater Permit Requirements

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and
Single Focal Point for Caltrans Stormwater
Management Program



Caltrans Stormwater Management Program

Stormwater Management Program coordinates efforts that affect multiple Caltrans Functions

- Project Delivery Divisions
 - Environmental, Design, Right of Way, Project Management, Engineering Services, Construction
- Maintenance
- Traffic Operations
- Legal
- All 12 Caltrans Districts



Caltrans Stormwater Permit History

- 1999 Original Permit adopted, 2004 Permit expired, but administratively continued and 2011 First Draft of Revised Permit:
 - watershed specific controls requiring unique practices
- **2011-2013 Collaboration with Water Board on model practices and performance based permit requirements**
- 2012 Revised Permit adopted with reopener clause
- 2013 Revised Permit becomes effective w/o attachments
- **2014 Revised Permit Attachments adopted/effective**
 - model practices and annual performance requirements



2014 Stormwater Permit Requirements

- Total Maximum Daily Loads (TMDLs)
 - 29% of State Highway System, 8 pollutant categories, requiring treatment of 1650 acres/year
- Region Specific
 - trash removal or cooperative efforts throughout SF Bay Area
- Minimum Capital Project Treatment
 - Permanent treatment, design pollution prevention & temporary treatment during construction (approximately 5% of project cost)
- Others
 - Monitoring -Water Quality & Best Management Practice effectiveness
 - Ocean Plan –Areas of Special Biological Significance
 - Public Education and outreach
 - Etc.



Total Maximum Daily Load Area

Currently named - 84

- Over 4100 centerline miles of Caltrans highway
- 28% of State Highway
- 56,000 acres estimate total right-of-way
- 2/3 of the state drains to impaired water bodies, many are not named
- Will increase over time



Compliance Unit Strategies

(TMDLs - 1,650 Units/year)

Cooperative Implementation Credits (\$88k/acre)

- State Water Board Grant (Interagency Agreement)
- Local broker (Memo of Understanding)
- Cooperative Agreement with Local Agencies

Treatment BMP Credits (\$176k/acre capital only)

- Retrofit Projects for Caltrans Outfalls
- Greater than 100% required Project Treatment



Compliance Unit Strategies

(TMDLs - 1,650 Units/year)

Credits for Existing Activities

- Treatment of pervious ROW
- Design Pollution Prevention
- Aerially Deposited Lead
- Porous Friction Course
(Open Graded Asphalt Concrete)

Potential Efficiencies for Credits

- New Infiltration BMPs
 - Rock Mulch
 - Trenches/Chambers
 - Slopes sheet flow
(removal of curb/dike)
- Trash
 - Adopt A Highway
 - Inlet Plates & Weirs
 - Outlet Devices
 - Silt fencing



Stormwater Permit Challenges

- Annual performance requirement compounding
 - Annual compliance treatment credits, if not met are added to following year requirement
- Total Maximum Daily Loads
 - requirements will increase as more are adopted (84/200)
- There could be disputes with the Water Boards about “what counts”, as Caltrans attempts to attain the annual number of compliance credits



Statewide Trash Amendment

- August 5, 2014 Comment Period closed
- Caltrans comments submitted
 - Full capture of trash is not feasible
 - Alternative approaches are effective, e.g. public education, and other institutional controls
 - Meeting 10 year compliance may be infeasible due to funding constraints
 - Compliance should be based “good faith effort”
- Trash Amendment to be incorporated into Caltrans Stormwater Permit after adoption



QUESTIONS?

