

Order No. R9-2013-0001: An Innovative Approach to Municipal Storm Water Permitting

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Our Mission

To preserve, enhance, and restore the quality of California's water resources, and ensure their proper allocation and efficient use for the present and future generations

Fishable and Swimmable





How did we get here?

- MS4 Permit Program:
 - Foundation
 - Background
 - Evolution

→ Regional MS4 Permit


Program Foundation

- Effectively prohibit non-storm water discharges into storm sewers
- Require controls to reduce the discharge of pollutants in storm water to the maximum extent practicable
- Restore and maintain the physical, chemical, and biological integrity of receiving waters



MS4 Permit Program Background

- First permit issued 1990
 - Maximum flexibility
 - Minimum enforceability
 - No definitive results



MS4 Permit Program -- Evolution

- Third term permits issued early 2000s
 - Prescriptive
 - Enforceable
- Fourth term permits issued 2007-2010
 - Very prescriptive
 - Easier to enforce

Jurisdictional Rnoff Management Program

- Creation of JRMPs
 - Construction project oversight
 - Commercial/Industrial discharger oversight
 - Public hotlines
 - Land development oversight
 - Enforcement authority
 - Etc.
- Receiving Water Quality Monitoring

JRMPs must address.....

Bacteria Sediment TDS
Metals Toxicity
Nutrients
Pesticides Hydromodification

Example Requirements

- Copermittees must...
 - Inspect 25% all industrial/commercial sites in inventory
 - Sweep high trash generating areas 2X/month
 - Actively look for illicit discharges
 - Submit Annual Reports documenting all activities



Actions

Measure or count "beans"



Does not track progress or measure improvement

Did it work?

???

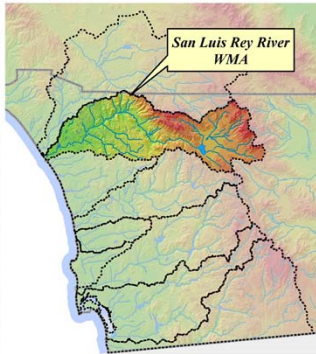
Focusing on actions has not been effective



Instead of this...

Bacteria Sediment TDS
Metals Toxicity
Nutrients
Pesticides Hydromodification

We do this...




Priorities, San Luis Rey Watershed Management Area


- Bacteria
- Nutrients
- Sediment...

The New Paradigm...

Action oriented Outcome oriented




Progress ?



Progress toward desired outcome

Focus attention where it's needed....



Result: Improved Programs

- Watershed level
- Jurisdictional level
- Build on existing knowledge
- Use what works, don't use what doesn't work
- Try something new, and don't be afraid to fail!

→ *Innovate*

Creek Rehabilitation Opportunities



Retrofitting Opportunities



Regional MS4 Permit-Key Dates

- Adopted May 8, 2013
- Effective June 27, 2013 (San Diego County)
- Effective no sooner than Dec. 16, 2014 (South Orange County)
- Effective no sooner than Nov. 10, 2015 (Riverside County)

