

# Information Session #2

Implementation of Los Angeles County MS4 Permit

April 16, 2013



# Objectives of Monitoring Program

- Assess chemical, physical, and biological impacts of MS<sub>4</sub> discharges on receiving waters
- Assess compliance with TMDL provisions
- Identify sources of pollutants in MS<sub>4</sub> discharges
- Measure and improve the effectiveness of pollutant control implemented under the permit



# Core Monitoring Program Elements

- Receiving water monitoring
- Storm water outfall based monitoring
- Non-storm water outfall based monitoring
- Bioassessment monitoring



# Permittee Options for Meeting MRP Requirements

1. Implement monitoring requirements per Attachment E, including TMDL monitoring requirements
2. Develop Integrated Monitoring Program (IMP) covering core elements and meeting monitoring program objectives, on jurisdictional basis
3. Develop IMP in conjunction with Watershed Management Program
  - a) Participate in Coordinated IMP for some elements
4. Develop CIMP in conjunction with WMP or EWMP



## Integrated Monitoring Programs & Coordinated Integrated Monitoring Programs

- Intended to go hand-in-hand with WMPs & EWMPs
- Purpose
  - Measure quality of MS4 discharges and progress toward achieving TMDL requirements
  - Measure impacts of MS4 discharges on receiving water
  - Inform adaptive management process in WMP/EWMP
    - Effectiveness of watershed control measures
    - Re-evaluation of water quality priorities



# Benefits of IMP

- Leverage monitoring resources by selecting monitoring locations, parameters, or monitoring strategies that will satisfy multiple monitoring requirements
- May develop and utilize alternative approaches to meet the primary objectives, with justification
- Requirements of an approved TMDL monitoring plan may be modified through IMP to achieve greater efficiency





# Additional Benefits of CIMP

- Implement monitoring on a watershed basis
- Pool resources among multiple permittees to achieve monitoring requirements
- CIMP can be used to address some or all monitoring program elements
  - CIMP may be used in coordination with IMP

# Monitoring Program Submittal Schedule: *If Developing WMP or EWMP*

Deadline	Deliverable
December 28, 2012	Continue monitoring per requirements of Order No. 01-182 and TMDL compliance monitoring requirements until IMP and/or CIMP is approved.
June 28, 2013	Letter of intent. For each core monitoring element, indicate whether an IMP or CIMP will be developed.
December 28, 2013	Submit draft IMP or CIMP if developing a WMP within a 12-month planning horizon.
June 28, 2014	Submit draft IMP or CIMP if developing a WMP within an 18-month planning horizon, or if developing an EWMP.
30 days after approval	Commence monitoring under approved IMP
90 days after approval	Commence monitoring under approved CIMP



## Integrated Monitoring Program Submittal Schedule: *If Not Developing WMP or EWMP*

Deadline	Deliverable
December 28, 2012	Continue monitoring per requirements of Order No. 01-182 and TMDL compliance monitoring requirements until IMP is approved.
June 28, 2013	Letter of intent. For each core monitoring element, indicate whether an IMP will be developed.
June 28, 2013	<i>If IMP will NOT be developed</i> , commence monitoring per requirements of MRP
December 28, 2013	Submit draft IMP
30 days after approval	Commence monitoring under approved IMP



# Non-Storm Water Outfall Based Monitoring Program: Outfall Screening and Monitoring Plan

- Purpose:
  - Determine whether MS4 discharge is in compliance with applicable dry weather TMDL requirements
  - Assist in identifying and eliminating non-storm water discharges that may be a source of pollutants
- Concurrent with the development of an IMP or CIMP, or within one (1) year of the effective date of this Order, each Permittee shall submit a non-storm water outfall-based screening and monitoring program plan that documents with written procedures an explanation of how the program is to be implemented.
- Each Permittee shall conduct at least one re-assessment of its non-storm water outfall-based screening and monitoring program during the term of this Order to determine whether changes or updates are needed.



# Southern California Stormwater Monitoring Coalition Watershed Monitoring Program

- Determine whether the designated beneficial uses are fully supported as determined by aquatic toxicity and bioassessment monitoring
- Regional assessment utilizing the following indicators:
  - benthic macroinvertebrate community bioassessment,
  - benthic algal community bioassessment,
  - riparian wetland evaluation,
  - water chemistry (nutrients and certain pesticides),
  - water toxicity (using *Ceriodaphnia*), and
  - physical habitat.



# Questions?

4/16/2013