Industrial General Permit Overview

State Water Resources Control Board
Division of Water Quality
Industrial/Construction Storm Water Unit

Goals

Data Quality

Performance Based

Incentives and Flexibility

Activities Covered

- Facilities subject to 40 CFR Subchapter N
- Manufacturing Facilities: SICs 20XX through 39XX, 4221 through 4225
- Oil and Gas/Mining Facilities: SICs 10XX through 14XX
- Hazardous Waste Treatment, Storage or Disposal Facilities, including Subtitle C

Activities Covered (Cont)

- Landfills, Land Application Sites and Open Dumps
- Recycling Facilities SICs 5015 and 5093
- Steam Electric Power Generating Facilities
- Transportation Facilities SICs 40XX through 45XX (except 4221-25) and 5171
- Sewage or Wastewater Treatment Works

2005 Draft

1. SWPPP Checklist
2. Pollutant Source Inspections
3. Minimum BMPs
4. BMP Descriptions
5. Ineligible Storm Events

2005 Draft (cont)

6. Pre-Storm Observations
7. Containment Observations
8. Sampling Parameter Selection
9. Field Measurements
10. Storm Water Sample Collection and Handling Instructions

Current Draft

11. Electronic Filing Requirements
12. Numeric Action Levels & Numeric Effluent Limitations*
13. Certification and Training Requirements (QSD/QSP)*
14. Corrective Actions*
15. Qualified Storm Event
16. Sampling Frequency Requirements
17. Daily Average
18. Qualified Combined Samples

Current Draft (Cont)

19. Compliance Storm Event
20. Requirements for Facilities with Significant Land Disturbances
21. Conditional Exclusion – No Exposure*
22. Conditional Exclusion – No Discharge Certification *
23. Conditional Exclusion – Green Storm Water Impact Reduction Technology (G-SIRT)*
24. Other Monitoring Revisions

IGP - Proposed Changes (2005 Draft)

1. SWPPP Checklist

Upon completion of the SWPPP the discharger shall prepare this checklist.

Checklist includes information on:

- Facility details
- Site map
- Industrial materials
- Industrial pollutants
- BMPs

2. Ineligible Storm Events

Dischargers shall record monthly:

A. Any storm event greater than or equal to $\frac{1}{4}$" which did not result in a discharge.

And/or

B. Any non qualified storm event (less than $\frac{1}{4}$").

3. Minimum BMPs

Dischargers shall implement the specific requirements/BMPs found in the following categories:

- Good Housekeeping
- Preventative Maintenance
- Spill Response Procedures
- Material Handling/Waste Management
- Employee Training
- Record Keeping & Quality Assurance
- Erosion & Sediment Controls
- Periodic Visual Inspections
- Site-Specific BMPs

4. BMP Descriptions

The discharger's SWPPP shall include a narrative description of each implemented BMP, which includes:

- Type of pollutant the BMP is designed to prevent
- Implementation frequency
- Location of the BMP
- Identification of who responsible for implementing the BMP
- Implementation instructions for the BMP
- Equipment and/or tools needed to implement the BMP

5. Pre-Storm Inspections

Dischargers shall visually observe/inspect (during operating hours) all drainage areas before an anticipated rain event.

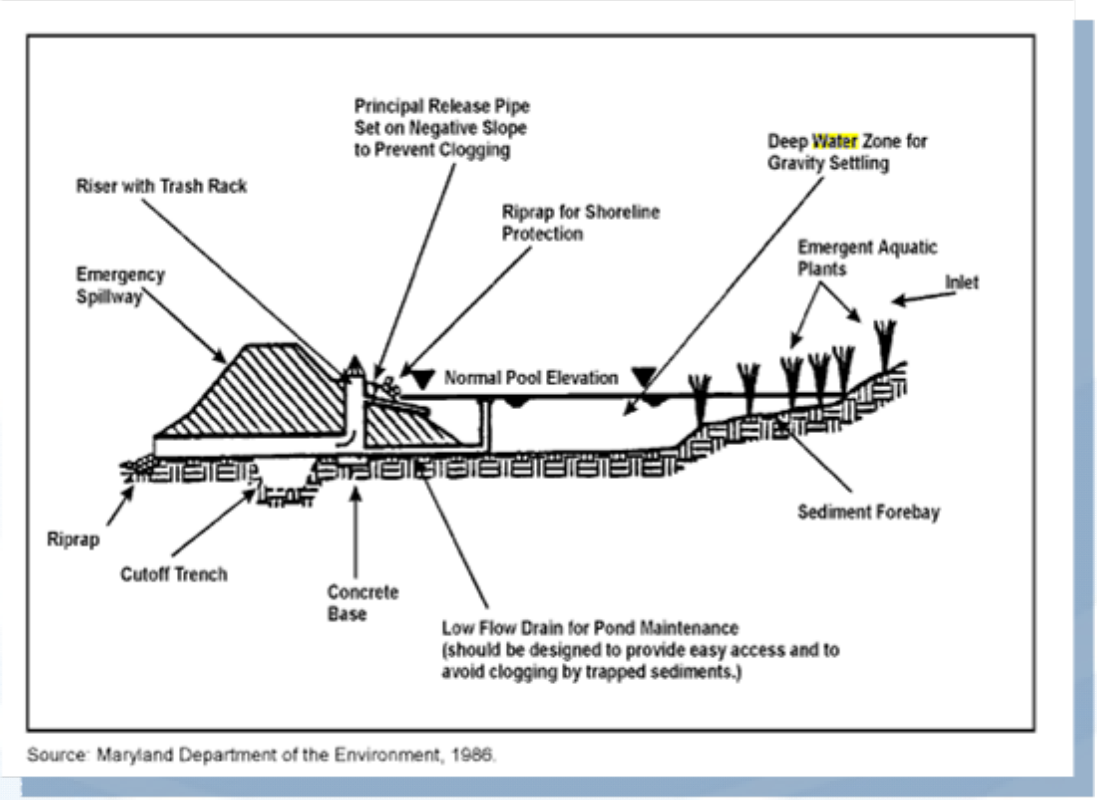
Dischargers are responsible for identifying and correcting any:

- Spills
- Leaks
- Uncontrolled pollutant sources

6. Containment Inspections

Dischargers shall visually observe any storm water storage/containment areas for leaks and maintain an adequate freeboard.

Observation shall be conducted at least monthly.



Source: Maryland Department of the Environment, 1986.

7. Pollutant Source Inspections

Dischargers Shall:

- One visual inspection of industrial areas and pollutant sources each quarter (3 + ACFCE).
- Implement any corrective actions/SWPPP revisions needed.
- Inspection summary/status of corrective actions & SWPPP revisions.
- BMP implementation procedures and equipment.

8. Sampling Parameters Selection

Dischargers shall analyze samples for parameters indicating presence of pollutants:

- Identified through assessments in the SWPPP.
- That may be causing/contributing to an exceedance in water quality standards of the facility receiving water (ex: 303(d)).

9. Field Measurements

Dischargers shall measure pH and Electrical Conductivity in the field using a calibrated metering device.

10. Storm Water Sample Collection &Handling Instructions

Dischargers shall follow the sampling protocols outlined in Attachment D, which includes:

- Sampling materials to request from laboratory
- Transportation to laboratory
- Taking the sample
- Sample labeling and documentation
- Designating trained personnel

IGP – Proposed Changes (2011 Draft)

11. Electronic Filing Requirements

All dischargers are required to file the following electronically into SMARTS:

Permit Registration Documents (PRDs):

Notice of Intent (NOI), Site Map, SWPPP, Signed Certification Statement, Annual Fee.

- Electronically Filed by Legally Responsible Person (LRP), who represents owner/operator.

11. Electronic Filing Requirements (Cont)

All dischargers are required to file the following electronically into SMARTS:

Notice of Terminations (NOTs)

Annual Report

Within 30 days of receiving results dischargers shall submit:

- Analytical results from lab
- Field measurements of pH and Electrical Conductivity
- Hardness value of receiving waters (if subject under Section XV)

12. Numeric Action Levels (NALs)*

- USEPA benchmarks are Numeric Action Levels
- NALs can be exceeded in accordance with corrective action triggers
- NALs exceeded repeatedly, discharger may be subject to NELs

12. Numeric Effluent Limits (NELs)*

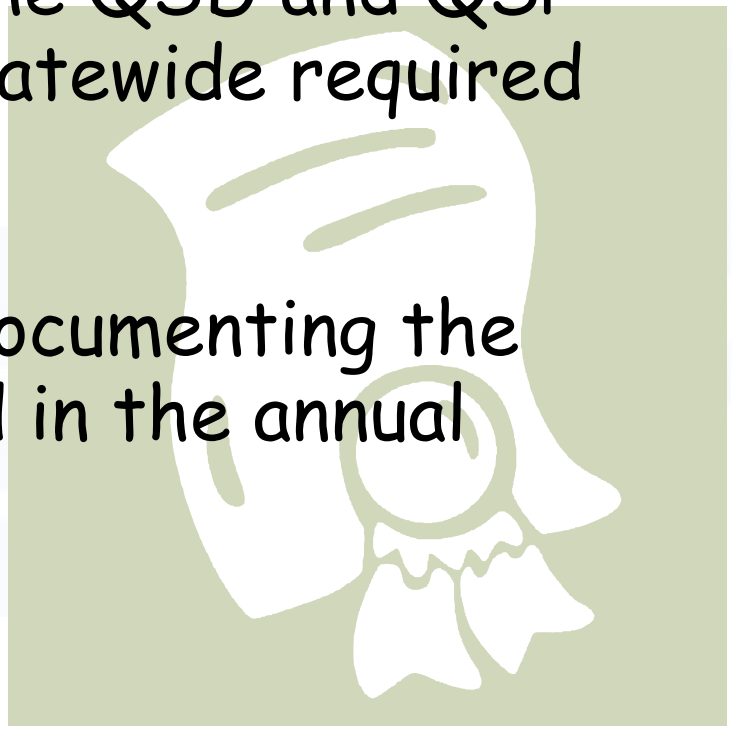
- NELs - same values as NALs, unless RWQCB imposes a stricter (water quality based) value.
- NELs not intended to apply to pollutants not generated by industrial activities, for example emergency response, run-on or atmospheric deposition.
- NELs are Subject to Mandatory Minimum Penalties (MMPs).
- Dischargers can electronically submit a Suspension of Numeric Effluent Limitations (SNEL).

13. Certification and Training Requirements*

Dischargers shall appoint A Qualified SWPPP Developer (QSD), and a Qualified SWPPP Practitioner (QSP).

The discharger is responsible for the QSD and QSP receiving training and taking the Statewide required training courses.

The discharger is responsible for documenting the training the QSD and QSP received in the annual report.



13. Certification and Training Requirements (Cont)*

A Qualified SWPPP Developer (QSD):

- Writes and amends the SWPPP
- Shall be one of the following:
  - A California registered professional civil engineer
  - A California registered professional geologist or engineering geologist
  - A California registered landscape architect
  - A professional hydrologist registered through the American Institute of Hydrology
- Must take the State Water Board approved QSD training course, within one year of the effective date of this General Permit.

13. Certification and Training Requirements (Cont)*

A Qualified SWPPP Practitioner (QSP):

- Is facility personnel (no prerequisites).
- Implements the SWPPP's BMPs and monitoring requirements.
- Completes the State Water Board-sponsored or approved QSP training course within one year from the effective date of this General Permit.

14. Corrective Actions Process*

14. Baseline Compliance

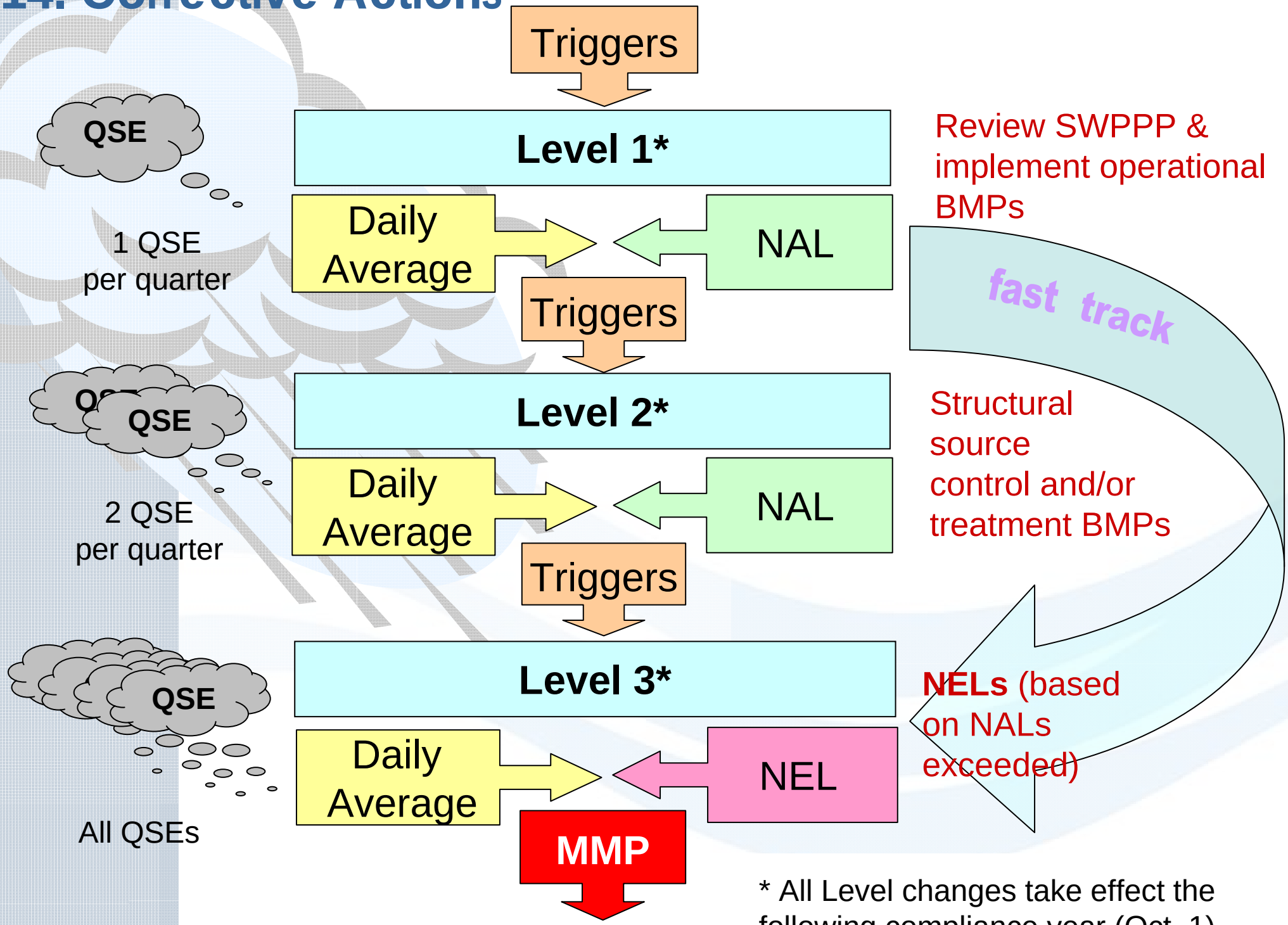
- Narrative Effluent Standards
- Numeric Action Levels
- Minimum BMPs
- Inspection, Maintenance & Repair
- Visual Monitoring
- Sample 1 qualified storm event per quarter

14. Triggers

Trigger

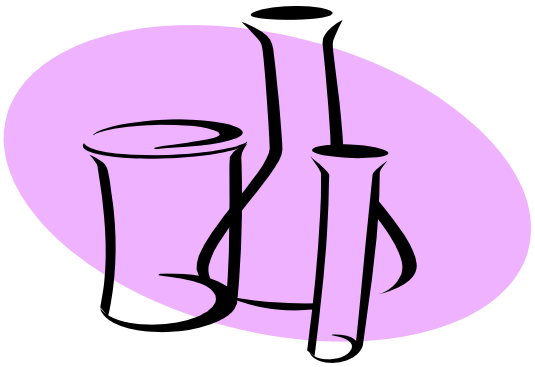
1. Daily Average exceeds 2.5 the NAL values
2. Daily Average exceeds any two NALs in one qualifying storm
3. Daily Average exceeds the same NAL in any two qualifying storms per reporting year

14. Corrective Actions



* All Level changes take effect the following compliance year (Oct. 1).

Sampling & Monitoring Requirements



15. Qualified Storm Event
    - –¼" or more of rainfall
    - –Preceeded by two days dry weather (storm event <1/8"rainfall)
16. Sampling Frequency (Baseline, Levels 1, 2, 3)
17. Daily Average

Other Sampling & Monitoring

18. Qualified Combined Samples

- Samples from up to four drainage areas
- Equal volumes of samples
- Samples combined in laboratory

19. Compliance Storm Event – 10 year, 24 hour for TSS and treatment BMPs

20. Facilities with Significant Land Disturbance

Facilities in the following categories:

- Mining and Quarrying Category
- Metal Mining Category
- Landfills, Land Application Sites
- Open Dumps

Shall collect samples on all days of an eligible storm event

Conditional Exclusions

21. No Exposure Certification (NEC) –all pollutant sources must be evaluated and determined as having no exposure

22. No Discharge Certification (NDC) 100 year, 24 hour storm, requires California registered PE

23. Green Storm Water Impact Reduction Technology (G-SIRT)

24. Other Monitoring Revisions

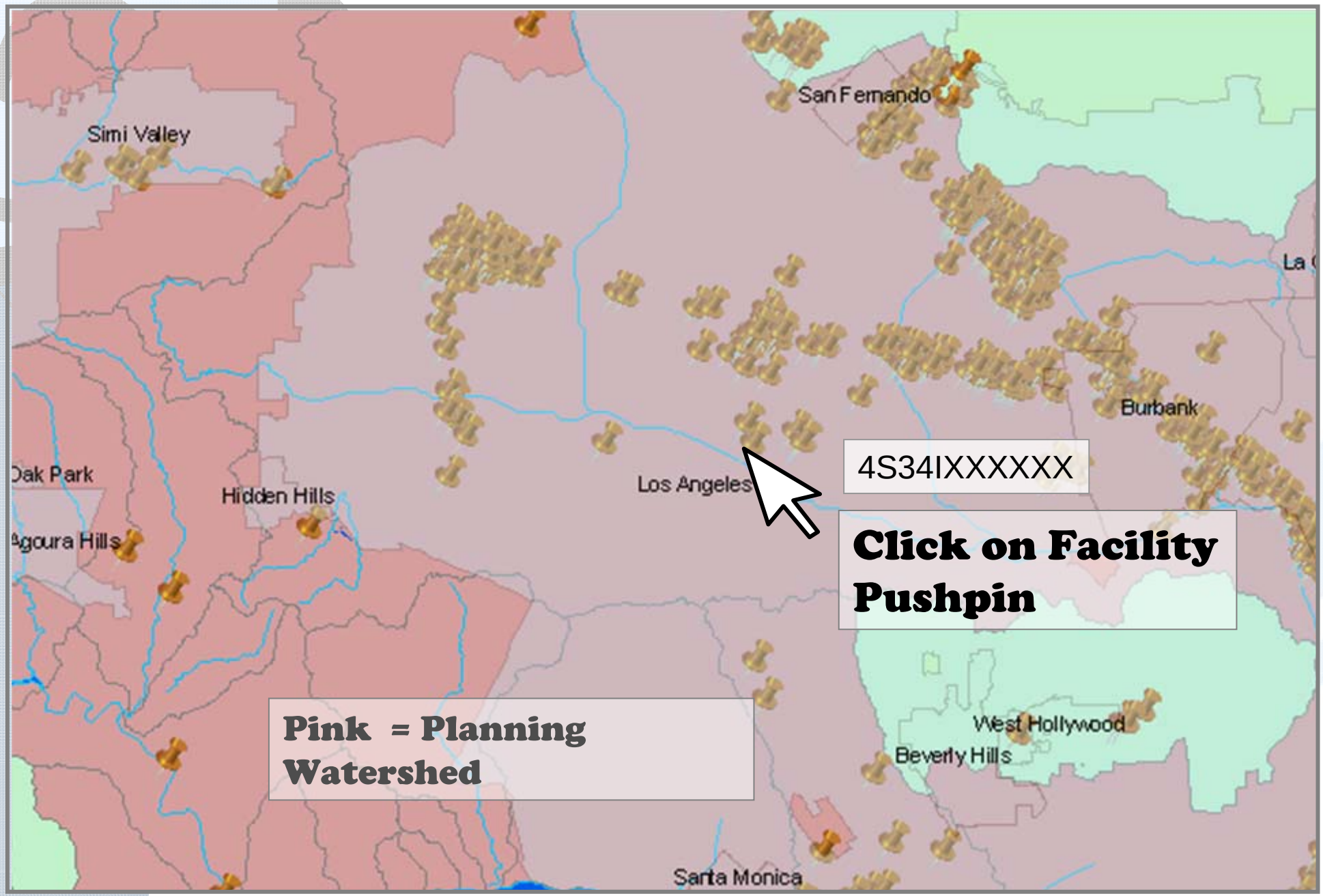
- Replaced with a performance based model where each facility is responsible for their site specific sampling demonstrating permit compliance.
- Each discharger receives assistance, not just facilities with like activities like Group Monitoring option.
- 97-03 Watershed Monitoring Option – not proposed in this draft since not a performance based option.
- 2005 Draft pollutant scan model – in favor of facilities sampling based on a sites specific receiving water characteristics.

Database, Electronic Tools, and Submittals

Facility Locator

Less Urbanized

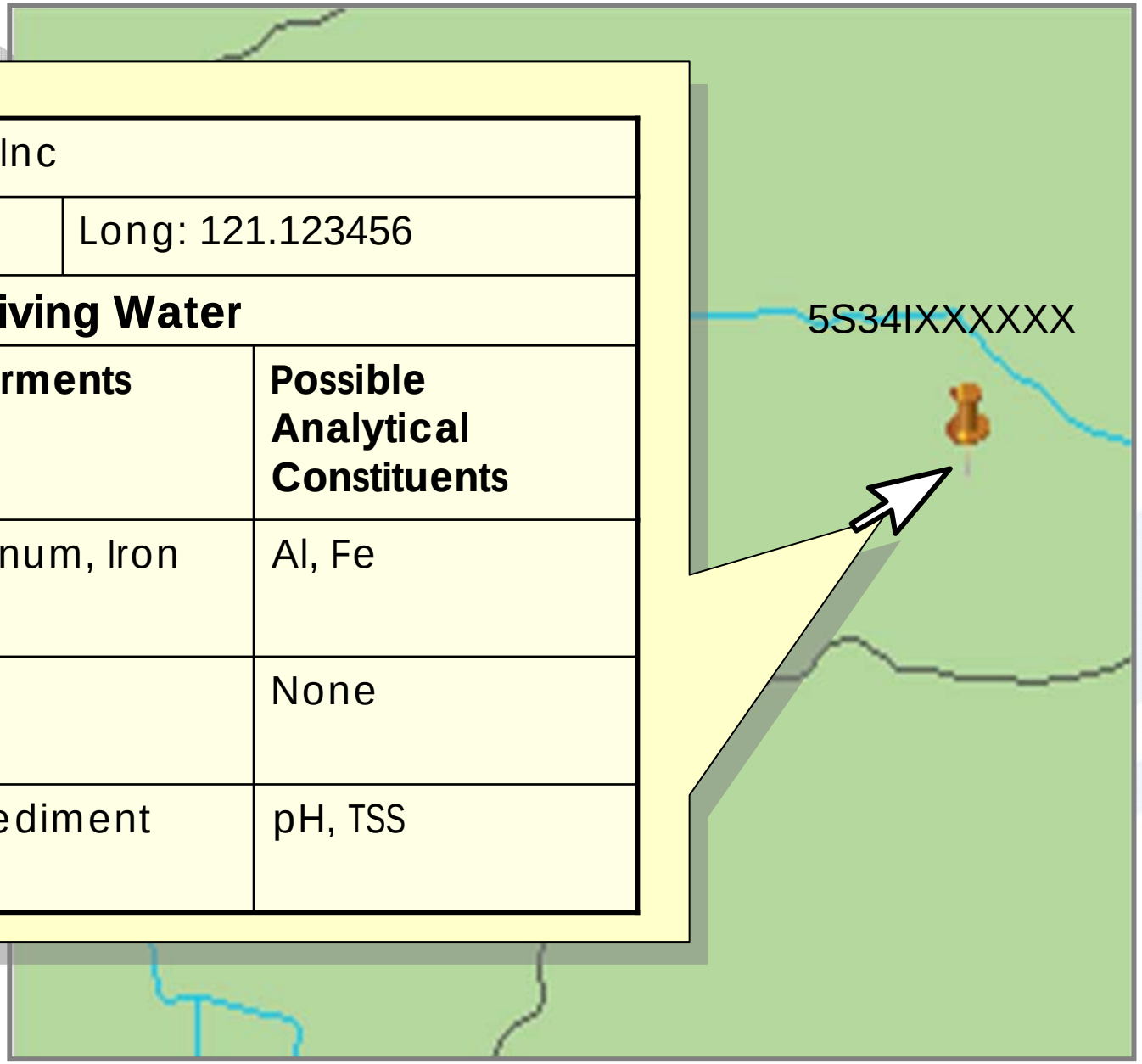
Urbanized


San Fernando
Simi Valley
Burbank
Los Angeles
Hidden Hills
Oak Park
Agoura Hills
West Hollywood
Beverly Hills
Santa Monica
4S34IXXXXXX
Click on Facility Pushpin
Pink = Planning Watershed

Selection of Additional Analytical Constituents Based Upon Receiving Water Identification

Display Generated on facilities receiving water information

WDID 5S34IXXXXXX, Alloy Inc		
Lat: 32.123456	Long: 121.123456	
Receiving Water		
Name	**Impairments**	**Possible Analytical Constituents**
ABC Creek	Aluminum, Iron	Al, Fe
123 Creek	None	None
Minus River	pH, Sediment	pH, TSS



Specific Electronic Submittals

Dischargers shall file electronically into SMARTS for the following:

- Discharge violations
- Additional Sampling Exemption Request (ASER)
- Sampling Frequency Reduction Request (SFR)
- BMP Implementation Extension Request (BIER)
- Suspension of Numeric Effluent Limitations (SNEL)
- No Exposure Certification (NEC)
- No Discharge Certification (NDC)
- Green Strom Water Impact Reduction Technology (G-SIRT)

Contacts

Greg Gearheart- Stormwater Section Supervisor

ggearheart@waterboards.ca.gov

916-341-5892

Leo Cosentini – Industrial Permit Lead

lcosentini@waterboards.ca.gov

916-341-5524

Laurel Warddrip – Industrial Permit Staff

lwarddrip@waterboards.ca.gov

916-341-5531

Questions?

Comments?