

A stylized graphic on the left side of the slide features a sun with rays in shades of blue and grey, positioned above wavy lines representing water. The background is a light blue and white gradient with a dark blue horizontal bar at the bottom.

Industrial General Permit Overview

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

Goals

- Performance Based Model
- Improved Data Quality
- Incentives and Flexibility

Industrial Permit Timeline

- 1991 - (modified in 1992) first IGP Order
- April 1997 - Order 97-03-DWQ (Previous permit) Adopted
- 2003-2005 - Prior draft IGPs
- Winter 2011 - Preliminary draft IGP
- Summer 2012 - Revised Tentative draft IGP
- Early 2013 Adoption (depends on future hearings schedule)



Proposed Changes to the 2011 Draft (2012 Draft)

2011 Draft (previous draft)	2012 Draft (current draft)
Electronic Filing Requirements	No Change
Numeric Action Levels (NALs) & Numeric Effluent Limitations (NELs)	Revised NALs and Removed NELs
Corrective Actions	Exceedance Response Actions
Certification and Training Requirements (QSD/QSP)	QISP I, II, III
Qualified Storm Event	Modified
Sampling Frequency Requirements	No Change

Proposed Changes to the 2011 Draft (2012 Draft) - Continued

2011 Draft (previous draft)	2012 Draft (current draft)
Daily Average/ Exceedances	Modified
Qualified Combined Samples	Modified
Compliance Storm Event	Modified
Requirements for Facilities with Significant Land Disturbances	Removed

Proposed Changes to the 2011 Draft (2012 Draft) - Continued

2011 Draft (previous draft)	2012 Draft (current draft)
Conditional Exclusion – No Exposure Certification	Updated
Conditional Exclusion – No Discharge Certification	Removed
Conditional Exclusion – Green Storm Water Impact Reduction Technology (G-SIRT)	Removed
TMDL Requirements	Revised

New Additions to the 2012 Draft

New Requirement	Status
ASBS Requirements	New Addition
Compliance Groups	Absent in the 2011 draft, a revised approach has been added

Electronic Filing Requirements

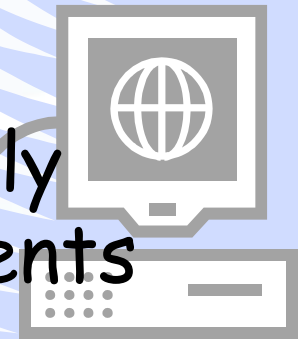
Notice of Intent (NOI) Coverage

Dischargers registering for NOI Coverage are required to submit the following electronically into SMARTS:

Permit Registration Documents (PRDs):

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

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



Electronic Filing Requirements

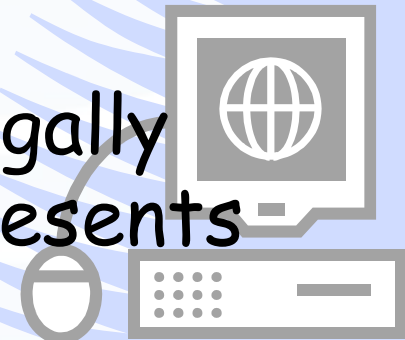
No Exposure Certification (NEC) Coverage

Dischargers registering for NEC Coverage are required to submit the following electronically into SMARTS:

Permit Registration Documents (PRDs):

NEC, Site Map, Signed Certification Statement, NEC Checklist, Annual Fee

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



Electronic Filing Requirements (Cont)

All dischargers are required to submit 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

Numeric Action Levels (NALs)

- Annual NAL exceedance

The average of all the analytical results for a parameter from samples taken within a reporting year exceeds an annual NAL value for that parameter listed in Table 5 (or is outside the NAL pH range)

- Instantaneous maximum NAL exceedance

Two or more analytical results for TSS, O&G, or pH from samples taken within a reporting year exceed the instantaneous maximum NAL value (or is outside the NAL pH range).

Numeric Action Levels (NALs)

- NALs exceedances do not apply until July 1, 2014
- US EPA benchmarks are the Annual NAL exceedance values
- Instantaneous maximum NAL exceedance values only for pH, TSS or O&G were calculated using a percentile approach.

The background features a stylized illustration of a light blue cloud on the left side, with several grey raindrops falling from it into a wavy stream of light blue water that flows across the bottom of the frame. The overall aesthetic is clean and modern with a soft color palette.

Exceedance Response Actions (ERA) Process

Baseline Status

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



NAL Exceedances

1. Annual Average exceeds the annual NAL values (within a reporting year)
2. Any two or more samples for a single parameter exceed the NAL values in a reporting year (TSS, O&G, or pH)



Trigger

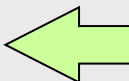
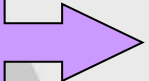
Exceedance Response Actions

QSE

1 QSE per quarter

Baseline Status

Sampling



NAL

Triggers

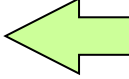
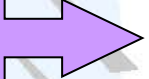
All Dischargers with NOI Coverage begin here

QSE

1 QSE per quarter

Level 1 Status

Sampling



NAL

Triggers

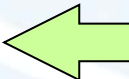
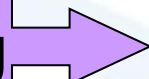
Review SWPPP & implement operational BMPs (Level 1 Report)

QSE

1 QSE per quarter

Level 2 Status

Sampling



NAL

Technical Report Submittal

Structural source control and/or treatment BMPs (Level 2 Technical Report or Demonstration)



ERA Reporting

- Level 1 ERA Report

Prepared by a QISP, certified and submitted via SMARTS

A summary of the Level 1 ERA evaluation

An implementation schedule/description of additional operational and/or source control BMPs and SWPPP revisions for each parameter that exceeded an NAL as well as for any other pollutants identified in the evaluation

ERA Reporting

- Level 2 ERA Technical Report

Prepared by a QISP III, certified and submitted via SMARTS

Results of the Level 2 ERA evaluation

A description of any additional structural and/or treatment control BMPs and SWPPP revisions for each parameter that exceeded an NAL

The implementation schedule for the design and construction of the identified treatment and/or structural source control BMPs

ERA Level 2 Demonstrations

At any time in Level 2 status the Discharger's QISP III may evaluate pollutant sources and submit one of the following:

- **BAT/BCT Compliance Demonstration Technical Report** (Receiving Water Limitations still apply)
- **Non-Industrial Source Pollutant Demonstration Technical Report** (BAT/BCT and Receiving Water Limitations still apply)
- **Natural Background Demonstration Technical Report**

Receiving Water Limitations

Dischargers shall ensure that industrial storm water discharges and authorized NSWDS:

- Do not cause or contribute to an exceedance of any applicable WQS in any affected receiving water.
- To any surface or groundwater do not adversely affect human health or the environment.
- To any surface or groundwater do not contain pollutants in quantities that threaten to cause pollution or a public nuisance.

ERA Reporting

- **BMP Implementation Extension Report (BIER)**

Prepared by a QISP III

Certified and submitted via SMARTS.

Dischargers provide an extended schedule for implementing treatment and/or structural control BMPs required under ERA Level 2 and/or to complete a Demonstration Technical Report.

Training Qualifications

Dischargers shall appoint A Qualified Industrial Storm Water Practitioner (QISP I, II or III).

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

The discharger is responsible for documenting the training the QISP received in the SWPPP.



Training Qualifications

A California Board for Professional Engineers, Land Surveyors and Geologists licensed professional civil engineer, registered geologist, and a certified engineering geologist (Licensee) is automatically a QISP I, II, or III

All engineering work required by this permit must be performed by a California licensed professional in accordance with the Professional Engineers Act (Bus. & Prof. Code 6700, et seq.)

Training Qualifications

QISP Level	Pre-requisite	Task
QISP I*	N/A	SWPPP ⁴ , Level 1 ERA Evaluation and Report and NOT
QISP II	N/A	SWPPP ⁹ , NEC, SFR, SLR, Level 1 ERA Evaluation and Report, and NOT. May not prepare the Level 2 Technical Report, and BAT/BCT, non-industrial, and Background Demonstrations in Level 2 ERA
QISP III	N/A	SWPPPs ⁹ NEC, SFR, SLR, Level 1&2 ERA plus BAT/BCT, non-industrial, and Background Demonstration Technical Reports, BIER
California licensed professional civil engineer		SWPPPs for inactive mining
California licensed professional engineer		NONA Technical Reports and Subchapter N calculations

*a QISP I can only perform the QISP actions for 1 type of industrial activity

Training Qualifications

QISP I

Implements the SWPPP's BMPs and monitoring requirements

Performs basic reporting requirements (SWPPP Annual Report)

Can represent either one facility or multiple facilities with substantially similar industrial activities.

Training Qualifications

QISP II

Performs QISP I responsibilities plus more advanced permit reporting requirements (NEC, SFR, SLR)

Can represent multiple facilities with any type of industrial activity

Training Qualifications

QISP III

Performs any QISP I, and II responsibilities plus The ERA Level 2 Technical Reports and Demonstrations

Can represent multiple facilities with any type of industrial activity

Compliance Groups

CG1 and CGL1 Requirements

CG1 - Any group of Dischargers of the same industry type may form a CG1

A CGL1 shall be either a representative of:

- an industry association or trade group;
- an engineering or environmental science consulting company;
- a coalition of public agencies and/or private companies; or
- any combination of the above

A CGL1 shall be a QISP II or III

Compliance Groups

CG1 and CGL1 Requirements (cont)

CG1 Can assists participants with all compliance activities (but the Level 2 ERA Technical Reporting) and prepare Consolidated Level 1 ERA Reports

The Executive Director of the State Water Board may review CG1 registrations for compliance.

Compliance Groups

CG2 and CGL2 Requirements

CG2 - Dischargers with Level 2 status that Operate facilities with similar types of industrial activities, pollutant sources, and pollutant characteristics (e.g., scrap metals recyclers differentiated from paper recyclers, truck vehicle maintenance differentiated from airplane vehicle maintenance, etc.) and reflect the industry as a whole, one CG2 per Sector

Compliance Groups

CG2 and CGL2 Requirements

- A CGL2 shall be either a representative of:
- an industry association or trade group;
 - an engineering or environmental science consulting company;
 - a coalition of public agencies and/or private companies; or
 - any combination of the above.

A CGL2 shall be a QISP III

Compliance Groups

CG2 and CGL2 Requirements (cont)

CGL2 Can assists participants with all compliance activities and prepare Consolidated Level 2 ERA Reports

The Executive Director of the State Water Board may review CG2 registrations for compliance.

Inspections and Visual Observations

Inspections

- No defined frequency for BMP inspections
- All other requirements same as 97-03-DWQ

Visual Observations

- Pre-Storm visual observations required (max once every 14 days, 50% chance of precipitation)
- Wet season replaced with monthly visual observations
- All other requirements same as 97-03-DWQ

Inspection and Visual Observations

REPORTABLE INSPECTIONS (* THE HIGH END OF RANGE ASSUMES THE REASONABLE FREQUENCY OF A WELL DESIGNED SWPPP)

SWPPP ACTIVITIES	1997 PERMIT - CURRENT FREQUENCY	INITIAL DRAFT FREQUENCY	REDRAFT FREQUENCY
WEEKLY BMPS	PERIODIC	0	WEEKLY (52)
DAILY BMPS	PERIODIC	0	DAILY (5x52)
POTENTIAL POLLUTANT SOURCES	PERIODIC (1-4)*	4	QUARTERLY (4)
ACSCE	ANNUAL (1)	1	ANNUAL (1)
TOTAL SWPPP ACTIVITIES		5	317
MONITORING VISUAL OBSERVATIONS (VO)			
NON-STORM WATER VO (UNAUTHORIZED)	QUARTERLY (4)	4	QUARTERLY (4)
NON-STORM WATER VO (AUTHORIZED)	QUARTERLY (0-4)	4	QUARTERLY (0-4)
STORM WATER DISCHARGE VO	MONTHLY (WET SEASON) 0-8	8	MONTHLY 0-12
CONTAINED STORMWATER VO	MONTHLY (WET SEASON) 0-8	8	MONTHLY 0-12
PRE-STORM VO	0	0- 12 (ASSUME 12 IS MAXIMUM QSE)	12
TOTAL MONITORING VOS	24	44	44
TOTAL INSPECTIONS +VOS	29	361	49

Sampling & Monitoring Requirements

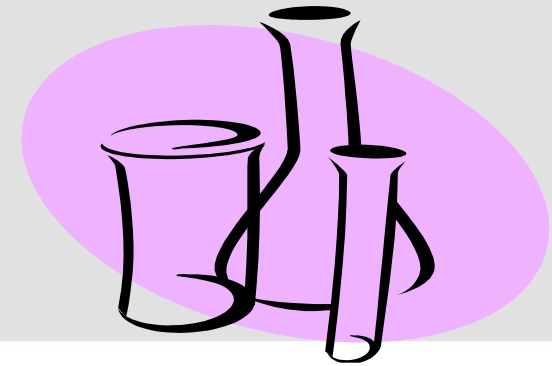
Qualified Storm Event

– $\frac{1}{10}$ " or more of rainfall

– Preceded by 72 hours of dry weather (storm event $< \frac{1}{10}$ " rainfall)

On-site rainfall measurement device required

Sampling Frequency- Quarterly Samples



Other Sampling & Monitoring

Qualified Combined Samples

- Samples from up to four drainage areas (Regional Water Board Approval for over 4)
- Equal volumes of samples
- Samples combined in laboratory



Treatment BMP Design Standards

- Replaces Compliance Storm Event
- 85th percentile 24 hour storm event for volume and flow based BMPs.

Conditional Exclusion -No Exposure Certification (NEC)

Applicable to all facilities if all pollutant sources are evaluated and determined as having no exposure

Annual Recertification by a QISP II or III required

Guidance provided in Appendix 1

TMDL Requirements

The Water Boards will develop TMDL specific permit requirements for each TMDL listed in Attachment D by July 1 2015

Each TMDL will have a 30 day comment period before the permit is re-opened and the implementation language is added to the permit.

Areas of Special Biological Significance (ASBS) Requirements

-March 20, 2012, the State Water Board adopted Resolution No.20120012:

-Provides an exception to the California Ocean Plan for specific discharges of storm water and non-point sources.

-Contains the special protections that are to be implemented for those Discharges to ASBS

-Currently applies to two facilities under this General Permit

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Questions?



Comments?

