

California Industrial General Permit Qualified Industrial Stormwater Practitioner (QISP) Training Program Overview Planning Ahead Strategies

IGP WORKSHOPS 2015

TOPICS

- When is a QISP needed?
- QISP Prerequisites/Qualifications
- Training Program Development
- Timeline
- Planning Ahead
- Question and Answers

When is a QISP Needed?

- Dischargers shall appoint QISP – internal or external for:
 - Level 1 status reporting
 - Level 2 status reporting and Action Plan
 - New Dischargers with 303(d) impaired receiving waters

QISP Training Prerequisites

- No established prerequisites
- Training is not intended to cover entire IGP
- Trainees should have a good understanding of the IGP and Clean Water Act (CWA)
- Goal of trainee should be to learn more on how to implement new IGP requirements

Professional Engineers & Geologists

- California licensed professional civil, industrial, chemical, and mechanical engineers and geologists (CPBELSG)
 - Parallel and streamlined training process
 - No testing for becoming a QISP
- Professional Engineers required for:
 - Inactive Mining SWPPPs, NONA Technical Reports, and Subchapter N calculations

QISP Training Program Development

Industrial General Permit Training Team (IGPTT)

- Sept 2012 – May 2013 SWRCB selected IGPTT Members through application process
- 15 IGPTT Members
- 10 – 15 Sub-Committee Seats
- 1-2 year commitment; 10 – 40 hours/month
- Regular meeting attendance
- August 1, 2013 – IGPTT Kickoff

IGPTT Members

Arthur Deicke	Environmental Pollution Solutions
Brian Currier	OWP-CSUS
Calvin Noling	StormwaterRx LLC
Daniel Apt	RBF Consulting / CASQA
Geoff Brosseau	CASQA
Joan Greenwood	CSC Targhee, Inc
John Teravskis	WGR Southwest Inc
Kathleen Harrison	Geosyntec Consultants
Kelly Doyle	Rick Engineering Company
Larry Sweetser	Rural Counties ESJPA
Laurel Warddrip	State Water Board
Matt Lentz	GSI Environmental Inc/CASQA
Matthew Hoesch	OWP-CSUS
Matthew Zucca	Erler & Kalinowski, Inc
Michele Kinaan	ETIC Engineering Inc
Rich Muhl	RWQCB- 5 Sacramento
Tim Simpson	GSI Environmental Inc

QISP Training Program

- QISP Training Program (non-CPBELSG)
 - Estimated 16 hours on-line, with quizzes
 - Online exam
 - 1 day classroom taught by Trainer of Record (TOR)
 - No test at completion of classroom
 - Fee for Training
 - QISP ID Number Issued
 - Recertification will likely be required

QISP Training Program

- Includes photos, videos, outside resource links, quizzes
- Example “Site Scenarios” for practical application
- Completed at QISP candidate’s own pace, but within 2 years of registering

Classroom Training

- Review of on-line training material
- Provide opportunity for Q&A /discussion
- Demonstrations
- Case Studies

QISP Examination

- Examination will address content covered during training via:
 - General questions regarding IGP
 - Questions using Site Scenarios to test practical understanding
- Examination will also test broader IGP and CWA knowledge

QISP Training Timeline

- February 27, 2014 - Feedback Forum
- March 2015 – Trainer of Record (TOR)/CGLs RFQ
- June 17-18, 2015 – TOR/CGLs Training
- July 2015 - TORs/CGLs available
- Fall 2015 - Training Rollout
- Winter 2015 - QISP Enrollment

GETTING READY FOR THE NEW PERMIT - PLAN AHEAD

Planning Ahead is Key!

- Determine Permit Applicability:
 - What is facility's SIC Code (all activities)?
 - Is my SIC Code listed on Attachment A?
 - Do I have a discharge?...NONA
 - Do I qualify for an NEC?

ATTACHMENT A

FACILITIES COVERED BY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES (GENERAL PERMIT)

- Facilities Subject To Storm Water Effluent Limitations Guidelines, New Source Performance Standards, or Toxic Pollutant Effluent Standards Found in 40 Code of Federal Regulations, Chapter I, Subchapter N (Subchapter N):

Cement Manufacturing (40 C.F.R. Part 411); Feedlots (40 C.F.R. Part 412); Fertilizer Manufacturing (40 C.F.R. Part 418); Petroleum Refining (40 C.F.R. Part 419); Phosphate Manufacturing (40 C.F.R. Part 422); Steam Electric (40 C.F.R. Part 423); Coal Mining (40 C.F.R. Part 434); Mineral Mining and Processing (40 C.F.R. Part 436); Ore Mining and Dressing (40 C.F.R. Part 440); Asphalt Emulsion (40 C.F.R. Part 443); Landfills (40 C.F.R. Part 445); and Airport Deicing (40 C.F.R. Part 449).
- Manufacturing Facilities:

Facilities with Standard Industrial Classifications (SICs) 20XX through 39XX, 4221 through 4225. (This category combines categories 2 and 10 of the previous general permit.)
- Oil and Gas/Mining Facilities:

Facilities classified as SICs 10XX through 14XX, including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area under 40 Code of Federal Regulations. 434.11(1) because the performance bond issued to the facility by the appropriate Surface Mining Control and Reclamation Acts authority has been released, or except for areas of non-coal mining operations which have been released from applicable State or Federal reclamation requirements after December 17, 1990) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with any overburden, raw material, intermediate products, finished products, by-products, or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator. Inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined material; or sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.
- Hazardous Waste Treatment, Storage, or Disposal Facilities:

Hazardous waste treatment, storage, or disposal facilities, including any facility operating under interim status or a general permit under Subtitle C of the Federal Resource, Conservation, and Recovery Act.
- Landfills, Land Application Sites, and Open Dumps:

Landfills, land application sites, and open dumps that receive or have received industrial waste from any facility within any other category of this Attachment; including facilities subject to regulation under Subtitle D of the Federal Resource, Conservation, and Recovery Act, and facilities that have accepted wastes from construction activities (construction activities include any clearing, grading, or excavation that results in disturbance).
- Recycling Facilities:

Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093.
- Steam Electric Power Generating Facilities:

Any facility that generates steam for electric power through the combustion of coal, oil, wood, etc.
- Transportation Facilities:

Facilities with SICs 40XX through 45XX (except 4221-25) and 5171 with vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication) or other operations identified under this Permit as associated with industrial activity.
- Sewage or Wastewater Treatment Works:

Facilities used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge, that are located within the confines of the facility, with a design flow of one million gallons per day or more, or required to have an approved pretreatment program under 40 Code of Federal Regulations part 403. Not included are farm lands, domestic gardens, or lands used for sludge management where sludge is beneficially reused and are not physically located in the confines of the facility, or areas that are in compliance with Section 405 of the Clean Water Act.

Planning Ahead is Key!

- Review SWPPP and historical analytical data
- Perform Level 1 ERA
- Evaluate and implement improvements now to avoid ERA process



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Planning Ahead is Key!

- Identify and Train SWPPT Members
- Legally Responsible Person (LRP)
- Duly Authorized Representative
- BMP implementation, inspections, monitoring, reporting, data entry
- Qualified Industrial Stormwater Practitioner
- Have backup SWPTT Members

Planning Ahead

- Have industrial activities changed at my facility?
- What are my industrial pollutant sources?
- Do I really understand my facilities drainage patterns?



Planning Ahead

- Am I implementing the minimum required BMPs and are they effective?
- Are there alternative or advanced BMPs I can or should implement?
- What are my options and cost for revised BMPs – both long and short term?



Planning Ahead

- Do I anticipate to exceed the NALs?
 - What does your existing data tell you?
- Are my sampling locations or techniques contributing to potential NAL exceedances?
- Are there offsite pollutant sources I cannot control?
 - Run-On
 - Aerial Deposition
- Are there studies I should start now?



Planning Ahead

- Are sampling locations representative of industrial storm water discharges?
 - Is the discharge commingled with run-on or non-industrial discharges?
- Are there opportunities for:
 - Alternative Sample Locations
 - Representative Sample Reduction
 - Qualified Combined Samples
- Are there parameters that should be added or removed?
 - SIC-code specific
 - Receiving water impairments
 - Facility-specific pollutants
 - Subchapter N constituents



MINIMIZE / AVOID DISCHARGES

- Evaluate Your Regulated Industrial Activities
 - Can you consolidate your industrial activities?
 - Can you move your industrial activities indoors or under cover?
- Conduct a NEC Checklist Evaluation



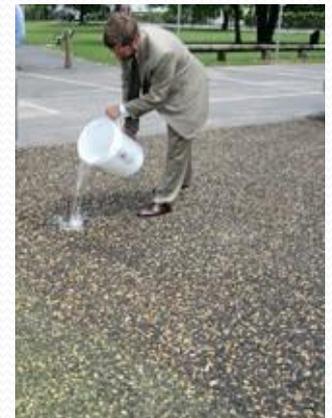
MINIMIZE / AVOID DISCHARGES

- Minimize or Eliminate Industrial Discharges
 - Discharge to Sanitary Sewer
 - Improve Run-On Controls
 - Storm Water Re-Use
 - Dust Control
 - Cooling Water
 - Irrigation
 - Pre-Treatment may be required for re-use



MINIMIZE / AVOID DISCHARGES

- Minimize or Eliminate Industrial Discharges
 - LID Approaches / Infiltration
 - Bio-Swales
 - Infiltration Galleries or Wells
 - Porous Pavement
 - Direct to Permeable Areas of Site
 - Concerns with Infiltration
 - Depth to Groundwater
 - Impacts to Soil / Groundwater
 - Regulatory Limitations
 - Pre-Treatment Likely Required



MINIMIZE / AVOID DISCHARGES

- Notice of Non-Applicability (NONA)
 - Does facility discharge to Waters of the U.S.?
 - Are all Industrial Storm Water Discharges Retained On-Site?
- Evaluate Feasibility and Cost of Advanced or Storm Water Containment BMPs



Planning Ahead

- Get comfortable with electronic reporting

Water Boards Storm Water Multiple Application & Report Tracking System

Welcome to Storm Water Multiple Application and Report Tracking System - SMARTS

The Storm Water program regulates storm water discharges from locations such as industrial facilities, construction sites, and small linear projects. The Storm Water program is also responsible for processing, reviewing, updating, terminating Notices of Intent (NOIs), annual reports, and maintaining the billing status of each discharger.

SMARTS has been developed to provide an online tool to assist dischargers in submitting their NOIs, NECs, NOTs, and Annual Reports, as well as, viewing/printing Receipt Letters, monitoring the status of submitted documents, and viewing their application/renewal fee statements. The system will also allow the Regional Board and State Board staff to process and track the discharger submitted documents.

SMARTS is a user account and password protected system where a valid user account and password is needed to access the system. To create an account, please click the "Sign Up" button on the right side of the screen.

If you have any questions or for further assistance, please contact the State Water Board staff via email at stormwater@waterboards.ca.gov or via phone at 1-866-563-3107 Monday - Friday from 8:00AM - 5:00PM.

SMARTS LOGIN

[Web Browser Requirements](#)

User ID:

Password:

Login

New User, Start here:

Sign Up [Help](#)

Industrial Permit Recertification
[Click here](#)

Forgot User ID or Password?
[Click here](#)

Public Access to NOI, SWPPPs & Annual Reports data

View SW Data

Seek Help

Resources available to help

SWRCP

http://waterboards.ca/gov/water_issues/programs/stormwater/industrial.shtml

RWQCB

<http://www.waterboards.ca.gov>

CASQA

<http://www.casqa.org/>

SMARTS

<https://smarts.waterboards.ca.gov>

Contacting the Board

Storm Water Program

Program Information

PROGRAMS, DATABASE & FEES

- Caltrans: [Hot News!](#) | [Caltrans Program Page](#)
- Construction: [Hot News!](#) | [Construction Program Page](#)
- Industrial: [Hot News!](#) | [Industrial Program Page](#)
- Municipal: [Hot News!](#) | [Municipal Program Page](#)
- [SMARTS Database](#)
- [Stormwater Fees](#)



STORM WATER FILMS

- [Storm Water Films Page](#)

CONTACT INFORMATION

- General Inquiries: stormwater@waterboards.ca.gov
- Telephone Toll Free - 1-866-563-3107
- Fax - (916) 341-5543

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Questions?

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Thank You!