

California Industrial General Permit Qualified Industrial Stormwater Practitioner (QISP) Training Program Overview IGP WORKSHOPS 2015



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TOPICS

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



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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



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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



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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



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Classroom Training

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



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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



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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



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Planning Ahead is Key!

- Review SWPPP and historical analytical results
- Evaluate areas for improvement
- Perform Level 1 ERA
- Implement improvements now to avoid ERA process
 - Avoid exposure
 - Avoid discharge
 - Implement minimum BMPs
 - Review sampling techniques and modify, if needed
 - Evaluate/Eliminate pollutant sources (run on, aerial deposition)



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Planning Ahead

- Get comfortable with electronic reporting
- Identify your team players
- Train facility staff
- Seek help!
 - Resources are available to help, not just penalize!



Contacting the Board

Storm Water Program

Program Information

PROGRAMS, DATABASE & FEES

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- 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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- ▶ FINANCIAL ASSISTANCE (GRANTS & LOANS)
- ▶ LEGAL NOTICES - Office Of Chief Counsel
- ▶ **WATER QUALITY**
- ▶ WATER RIGHTS

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- Storm Water Municipal Permitting Issues

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Your Full Name: (required) (e.g. John Smith)



Discharger - LRP

- Permit Registration Documents
 - NOI, NEC
- All other documents
 - Annual Report
 - Laboratory Data
 - SWPPPs
 - Site Maps

Note: LRP can be a QISP if goes through certification.



Discharger - DAP

- All other documents
 - Annual Report
 - Laboratory Data
 - SWPPPs
 - Site Maps

Note: DAP can be a QISP if goes through certification.



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QISP

- New Dischargers in impaired waterbodies.
- ERA Level 1 Evaluation
- ERA Level 1 Report
- ERA Level 2 Action Plan
- ERA Level 2 Technical Report
 - Industrial Activity BMPs Demonstration
 - Non-Industrial Pollutant Source Demonstration
 - Natural Background Pollutant Source Demonstration

Note: QISP can prepare SWPPP and other documents



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QISP TOR

- QISP TOR is a QISP
- Compliance Group Leader



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Professional Engineers

- NONA
- Inactive Mining SWPPP
- Other engineering requirements/calculations



Permit Compliance Progression

- NONA
 - No Discharge
- NEC
 - No exposure
- NOI
 - Minimum Mandatory BMPs
 - Level 1
 - Level 2



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Minimum Mandatory BMPs

- Good Housekeeping
- Preventive Maintenance
- Spill and Leak Prevention Response
- Material Handling and Waste Management
- Erosion and Sediment Controls
- Employee Training Program
- Quality Assurance and Record Keeping



Extent Feasible

For the purposes of this General Permit, the requirement to implement BMPs “to the extent feasible” requires Dischargers to select, design, install and implement BMPs that reduce or prevent discharges of pollutions in their storm water discharge in a manner that reflects the best industry practice considering the technological availability and economic practicability and achievability.



Footnote 12 on Page 30 of Order 2014-0057-DWQ

Good Housekeeping Mandatory BMPs 1

- Observe all outdoor areas associated with industrial activity to include storm water discharge locations, drainage areas, conveyance systems, waste handling /disposal areas and Perimeter areas impacted by off-facility materials or run-on for:
 - Debris
 - Waste
 - Spills
 - Tracked materials
 - Leaked materials

SHALL BE CLEANED AND PROPERLY DISPOSED OF.



Good Housekeeping Mandatory BMPs 2

Minimize or prevent material tracking



Good Housekeeping Mandatory BMPs 3

Minimize dust generated from industrial materials or activities.



Good Housekeeping Mandatory BMPs 4

Cover all stored industrial materials that can be readily mobilized by contact with storm water



Good Housekeeping Mandatory BMPs 5

Contained all stored non-solid industrial materials or wastes that can be transported or dispersed by the wind or contact with storm water.



Good Housekeeping Mandatory BMPs 6

Prevent disposal of any rinse/wash waters or industrial materials into the storm water conveyance system.



Good Housekeeping Mandatory BMPs 7

Minimize storm water discharges from non-industrial areas that contact industrial areas of the facility.



Good Housekeeping Mandatory BMPs 8

Minimize authorized Non-storm Water Discharges from non-industrial areas that contact industrial areas of the facility.



Material Handling and Waste Management Mandatory BMPs 1

Prevent or minimize handling of industrial materials or wastes that can be readily mobilized by contact with storm water during a storm event.



Material Handling and Waste Management Mandatory BMPs 2

Contain all stored non-solid industrial material or wastes that can be transported or dispersed by the wind or contact with storm water.



Material Handling and Waste Management Mandatory BMPs 3

Cover industrial waste disposal containers and industrial material storage containers that contain industrial materials when not in use.



Material Handling and Waste Management Mandatory BMPs 4

Divert run-on and storm water generated from within the facility away from all stockpiled materials.



Material Handling and Waste Management Mandatory BMPs 5

Clean all spills of industrial materials or wastes that occur during handling in accordance with spill response procedures.



Material Handling and Waste Management Mandatory BMPs 6

Observe and clean as appropriate any outdoor material or waste handling equipment or containers that can be contaminated by contact with industrial materials or wastes.



Questions?

Thank You!

