

# Qualifications and Training Aspects of the Construction General Permit

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## Presentation Outline

- California Construction General Permit (CGP) Requirements: QSD and QSP
- CGP Training Team – background, members, accomplishments to date
- CASQA's Role in CGP Training and Next Steps

## Construction General Permit Requirements: QSD and QSP

### QSD and QSP Requirements

- CGP specifies qualifications and requirements for professionals who develop and implement construction SWPPPs:
  - QSD – Qualified SWPPP Developer
  - QSP – Qualified SWPPP Practitioner

## QSD Requirements

- SWPPPs must be written and amended by a QSD
- QSD must have one of the following certifications:
  - CA registered professional civil engineer
  - CA registered professional geologist or engineering geologist
  - CA registered landscape architect
  - A professional hydrologist through the American Institute of Hydrology
  - CPESC
  - CPSWQ
  - A certified professional in erosion and sediment control registered through NICET

## QSP Requirements

- QSPs required to oversee implementation of the BMPs necessary to comply with the General Permit
- QSP required to:
  - Ensure full compliance with the permit
  - Develop Rain Event Action Plan (REAP) 48 hours prior to any likely precipitation event
  - Begin implementation of the REAP no later than 24 hours prior to the likely precipitation event
  - Maintain onsite paper copy of each REAP

## QSP Requirements *(cont'd)*

- QSP (or trained by QSP) must conduct:
  - Weekly inspections and observations
  - Sampling and analysis
- Effective September 2, 2011, QSP must be one of the following:
  - QSD
  - Certified erosion, sediment and storm water inspector (CESSWI)
  - Certified inspector of erosion and sediment control (CISEC)

## QSD and QSP Requirements

- Effective September 2, 2011 (2 years after the CGP adoption date):
  - QSDs must attend State Water Board–sponsored or approved QSD training course
  - QSPs must attend State Water Board–sponsored or approved QSP training course

## Developing the Statewide Training Program: the CGP Training Team

### Training Team Background

- Collaborative effort initiated by State Water Board and facilitated by CASQA, starting in Nov 2007
- Goal: Work collaboratively to create highly respected, “open source” training program to support requirements of Construction General Permit
- Three work groups set up: Training Content, Qualifications, Deployment
- Feedback Forum held Nov 2008

## Stakeholders represented on CGP Training Team

- State and Regional Water Boards
- CASQA
- Universities
- Caltrans
- BIA/Development Industry
- Consulting firms with construction stormwater and training expertise
- PG&E (linear projects)
- Advanced treatment systems (ATS) industry

## Training Content

- Assumes that a broad set of background skills, knowledge, and experience will qualify an individual as a QSD or QSP
- Provides an in-depth review of the information QSDs or QSPs will be expected to know
- Will not teach the basics of the knowledge and skills needed
- Provide awareness of local and watershed issues
- Modular approach - Some modules will address both QSDs and QSPs (and may include property owners/others responsible for permit compliance)

## Modules Planned

1. Training Overview and Regulations
2. Erosion Processes and Sediment Control
3. SWPPP Implementation
4. Monitoring
5. Reporting
6. Project Planning and Site Assessment
7. SWPPP Development and PRDs
8. Project Closeout
  - Practical Implementation - field (optional)
  - Owner Operator Overview

## Example of Module Content - Monitoring

1. Const Site Monitoring
  - a) Permit required monitoring
  - b) Selecting locations
  - c) Visual observations
  - d) Water quality parameters
  - e) Sampling methods
  - f) Measurements/ Analysis
    - Meters, Labs
  - g) Interpreting results
  - h) Reporting
2. ATS monitoring
  - a) Permit required & operational monitoring
    - Flow, water quality parameters, toxicity
  - b) Record keeping
  - c) Interpreting results
  - d) Reporting

## Module content and training length

- The Training Content work group will create a detailed outline for each module of the required content
- Qualified trainers will be responsible for creating the content detail that meets the curriculum outline
- Training length likely 2-3 days
- QSP & QSD Exams – at the end of the training course

## Trainer Qualifications

- Identify qualified professionals to provide the training to QSD and QSP candidates
- “Trainers of Record” must:
  - Possess one or more of the CGP identified certifications
  - Have demonstrated experience delivering effective construction stormwater training

## Trainer Qualifications – 2 types:

- **Trainer of Record**
  - Qualified professionals
  - Proficient in all the training modules
  - Understand how all modules fit together
  - Responsibility of ensuring consistency with the CGP training message and approach
- **Specialized Trainers**
  - Qualified professionals that specialize in a specific area, e.g.:
    - Active Treatment Systems
    - Construction Site Monitoring
    - Linear Construction

## Trainer Qualification Process – *anticipated dates*

- Request for Qualifications published – Jan 2010
- Submittal of Statements of Qualifications - Mar 2010
- Selection of candidate Trainers of Record and Specialized Trainers – Apr 2010
- “Train the Trainers” Workshops – May 2010
- QSD and QSP Training available – June 2010

*Note: This is the first round of qualifying trainers and will likely be an ongoing process (frequency TBD)*

## Training Deployment

- **CASQA will handle administration of the CGP Training Program, including these tasks:**
  - Coordinate with CGP Training Team
  - Host and maintain CGP Training website
  - Advertise trainer RFQs, oversee SOQ review and make final decision about trainers to list on web site
  - Track and coordinate with the trainers; conduct performance evaluations of trainers
  - Issue QSD/P certificates; maintain database of QSDs & QSPs

## Schedule

## Timeline (Subject to Change!!)

- CASQA works with State Water Board to formalize administrative functions/responsibilities (Fall 2009)
- Launch website to host training information and documents (Early 2010) – [www.casqa.org](http://www.casqa.org)
- Release Qualified Trainer Request for Qualifications (Jan 2010)
- Identify trainers on web site (April 2010)
- “Train the Trainer” workshops (May 2010)
- QSD/P training and exam available (June 2010)

Questions?