

## **Abstract – CASQA 2010, November 1-3, 2010**

### **“CGP Compliance on the Frontline, Case Studies from America’s Fourth Largest Contractor”**

**Presenters:** Kim Williams, PE, CPSWQ – Sr. Engineer, Geosyntec Consultants; and Allen Gershenson, Esq - District Environmental Manager, Kiewit Infrastructure West Co., Southern California District

The new California Construction General Permit (SWRCB Order No. 2009-009-DWQ) contains significant changes that affect construction projects throughout the state of California. This presentation will present insight on the challenges of implementing the new permit and steps that Kiewit is taking to achieve 100 % compliance at some of the largest construction projects throughout California. Kiewit’s philosophy on environmental compliance is based on “Perfect Audits Without Any NOVs.” This presentation will identify the proactive steps Kiewit is taking to promote the “new normal” in storm water compliance, a change that requires extensive training and education of both staff and project owners, enhanced communication, and practical changes to the business of contracting. This presentation will present case studies from large public infrastructure projects including a large freeway expansion project, waste water treatment facility construction, as well as the construction of two waste water pump stations. These projects are located in both high-risk and low-risk watersheds. The presenters will discuss:

- compliance strategies for different project risk levels;
- costs and ways to reduce financial impacts including experience with active treatment systems;
- pro-active regulatory interface;
- challenges of minimum BMPs;
- training of Kiewit’s staff, craft, and subcontractors as well as project owners and gauging behavior change;
- strategies for meeting site inspection, monitoring, and reporting requirements; and
- key challenges going into the rainy season.

Additional background on the on-going projects that drive Kiewit’s compliance program and will be used as a basis for the presentation include:

- I-405 Expansion, Los Angeles - A 3-year, \$750 million, 10-mile highway expansion project that revolves around adding an HOV lane to the northbound 405 from the 10 freeway up to the 101 freeway.
- Expansion of Orange County Sanitation District’s (OCSD) Plant 1 – A \$200 million waste water treatment facility expansion. The project began in June 2007 and has a target completion date of Sept. 2011.
- Expansion of the Perris Valley Regional Water Reclamation Facility Plant 3 – A \$151 million waste water treatment facility expansion. The project began in April 2007 and has a target completion date of April 2011.
- Bitter Point and Rocky Point Pump Stations – Two pump station replacement projects valued at \$27 million in Newport Beach that involve the demolition and creation of a new pump stations. Completion is targeted for May 2012 and Sept. 2011, respectively. Both Bitter and Rocky Point are barely over an acre.