

JONATHAN J. MERONEK, IGP-TOR, QISP, CPESC, CISEC,
QSP/D



Education

BA – Political Science, Arizona State University, 1990

Professional Licenses/Certifications

California Industrial General Storm Water Permit Trainer-of-Record (ToR No. 162)
Qualified Industrial Storm Water Practitioner (QISP No. 00162)
Certified Professional in Erosion and Sediment Control (CPESC No. 8298)
Certified Inspector of Sediment and Erosion Control (CISEC No. 1359)
California Qualified Storm Water Pollution Prevention Plan Practitioner (QSP No. 24695)
Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency
Response (HAZWOPER) 40-Hour Training
8-Hour Annual Refresher (29 CFR 1910.120)

Professional Organizations

California Storm Water Quality Association (CASQA); 2015-18 Industrial Stormwater Subcommittee;
2015-18 Conference Subcommittee
Solid Waste Association of North America (SWANA)
Water Environment Foundation (WEF)
Engineering Contractor's Association (ECA)
Industrial Environmental Association (IEA) San Diego

Professional Experience

Mr. Meronek has been with SCS for 17 years, and is a current State of California Industrial Storm Water Permit Qualified Industrial Storm Water Practitioner (QISP) and a QISP Trainer-of-Record (ToR) under the new Industrial General Permit (IGP). Under the 2015 IGP, he has performed Site BMP and Pollutant Source Assessments, written and reviewed Storm Water Pollution Prevention Plans (SWPPPs), and implemented Monitoring Implementation Plans (MIPs) for over 100 clients and facilities throughout California. He has developed cost-effective stormwater management solutions under the National Pollutant Discharge Elimination System (NPDES) for state, municipal, and private clients across a vast cross-section of industrial sectors, including recycling (metal and scrap), material recovery facilities (MRFs), landfills (including Subchapter N/ELG facilities), compost facilities, deep ocean ports, haulers and transportation facilities, asphalt batch plants, CalTrans sites, construction material facilities, petroleum bulk plants, landfill gas-to-energy (LFGE) plants, quarries, concrete and rebar manufacturers, lumber facilities, and breweries and wineries (including the fifth largest Case and Fulfilment Center in North America). Mr. Meronek continues to successfully work with LRPs, facility managers, and attorneys to comprehensively reevaluate facilities for NPDES compliance, using technology-based Best Available Technology Economically Achievable (BAT) and Best Conventional Pollutant Control Technology (BCT) implementation for control of pollutants in stormwater discharge.

Stormwater

Project Manager, Alameda County Industries (ACI) (Five Facilities); Peninsular Sanitary, Stanford University; Mission Trail Waste Systems (MTWS) MRFs and Transfer Centers. SCS was hired by

ACI in 2014. The goal and purpose of the program was to assist new ownership/staff with the challenges they faced in being compliant under the new 2015 IGP regulations (MRFs [SIC 5093]). Mr. Meronek assisted the site in developing effective solutions for complex challenges facing the highly urbanized facility under challenging circumstances. During the SWPPP preparation stages, a local Bay Area Non-Governmental Organization (NGO) suit was brought against one of the MRF facilities. Mr. Meronek worked with attorneys to assist and protect both the MTWS and PSSI facilities under the Clean Water Act (CWA), and assure that the facility implemented BAT and BCT to reduce or prevent pollutants in storm water discharges, including installation of a dual-vortex hydrodynamic separator and Active Treatment System at MTWS. He currently oversees the stormwater management and/or provides training to Garden City Sanitation, Livermore Sanitation, MTWS, and ACI solid waste facilities.

Project Manager, Calpine Energy Centers; Eight Facilities Throughout California. Mr. Meronek provides industrial stormwater management and compliance assistance for Calpine Energy, including eight premier, large-scale sustainable energy facilities. He continues to work with facility management in ongoing efforts to achieve innovative and cost-effective solutions for stormwater management. His services have included Exceedance Response Action (ERA) Level 1 and Level 2 Action Plans and technical reporting, BMP evaluations, SWPPPs, MIPs, and SMARTs reporting. He provides ongoing QISP training statewide to the eight large power generation facilities, including ERA L1 and L2 facilities.

Project Manager, Multiple Sites; CWA Section 505 Citizen Suits by NGOs and Environmental Groups (EGs) Stormwater Litigation Support to Law Firms and/or Dischargers. Mr. Meronek has worked on numerous stormwater litigation cases under the CWA and Section 505 citizen lawsuits under 60-day Notice of Violations (NOVs), and has reviewed facility coverage with potential applications of the IGP, Multi-Sector General Permit (MSGP), California Toxics Rule (CTR), 303d Impairments, and Total Maximum Daily Load (TMDL) allocations. He has worked with attorneys and dischargers to bring facilities into compliance under Notice of Intent (NOI) and No Exposure Certification (NEC) scenarios.

Fink Road Landfill (FRL), Western Placer Waste Management Authority (WPWMA), and Oroville Landfill Properties (OLP) – IGP and Waste Discharge Requirement (WDR) Support. Mr. Meronek provides ongoing industrial stormwater compliance and assistance with the IGP NPDES-regulated facilities subject to IGP Coverage and Waste Discharge Requirements. Industrial permit compliance included preparation of an ERA Level 1 Assessment, SWPPPs, MIPs and SMARTs reporting. He also provided ERA Level 1 and Level 2 Training for the facilities.

Project Manager, Calpine Energy – Energy Centers/Eight Facilities Throughout California. He provided industrial stormwater compliance and assistance with Industrial Permit auditing for Calpine Energy, a premier and large-scale sustainable energy fleet. Services included review of ERA Level 1 Assessments, SWPPPs, MIPs, and SMARTs Reporting. He provided QISP training statewide to seven large power generation facilities, including Exceedance Response Action Level 1 facilities.

Trinchero Winery Estates, Napa, California (Seven Facilities). Mr. Meronek provided industrial stormwater support, including SWPPP preparation, monitoring, and implementation, under new NPDES IGP regulations for seven facilities throughout Northern California, including Sutter Home Lodi, the fifth largest wine fulfillment and distribution facility in North America. He performed comprehensive facility evaluations and pollutant source and drainage assessments while recommending increased BMPs to reduce/eliminate pollutants in stormwater discharge.

West Marin Compost (WMC), Marin Carbon Project (MCP), Nicasio, CA. Mr. Meronek provided industrial stormwater compliance assistance, including SWPPP, water quality monitoring, and WDR

assistance for a large composting operation in Marin as part of the Marin Carbon Project (MCP) to enhance carbon sequestration in California rangeland, agriculture, and soils, and the reduction of greenhouse gas (GHG). He works closely with the current owners in a highly sensitive watershed area, including TMDL water quality standards. Mr. Meronek is an active member of the MCP Water Quality technical committee, and has met with State Water Resources Control Board (SWRCB) and CalRecycle on their behalf in an effort to reduce and/or eliminate pollutants in stormwater discharge.

RePlanet Recycling Facilities, California (Nine Facilities) Statewide, CA. He assisted with IGP stormwater management and compliance under the 1997 and current IGP. He performed SWPPP preparation, monitoring/implementation and facility inspections, BMP assessments, and Annual Comprehensive Facility Compliance Evaluations (ACFCEs). He worked with facility managers and staff to evaluate pollutant load sources, define drainage areas, review analytical benchmarks, move processes indoors, and convey ongoing stormwater compliance regulations, which included old and/or new NPDES IGP regulations for nine facilities throughout California.

Nu Forest Lumber Products (NFLP) Milling and Distribution, Healdsburg and Cloverdale, CA (Two Facilities). Mr. Meronek worked with facility managers and staff to bring these facilities current under new IGP stormwater regulations. Technical guidance included monitoring and sampling for water quality parameters, conducting quarterly inspections, and performing wet-weather observations. He recommended structural and nonstructural BMPs, based on analytical parameter results and expected concentrations when compared with U.S. Environmental Protection Agency (U.S. EPA) Benchmark Values for water quality standards. Structural BMPs included advanced engineered mesh, drain filter inserts, chemical adsorbants, and filter systems.

U.S. EPA Watershed and Lake Model Development, GIS and Stormwater, Lake San Marcos, CA. Mr. Meronek was part of a surface water quality investigation team that worked on a large-scale U.S. EPA Watershed Study for stormwater runoff, including field assessment and GPS/inventory, wet weather observations, monitoring and sampling for multiple constituents, lake/chemical assessments, and interpolating drainage conveyances and discharge locations.

Caltrans Storm Water Runoff and Clear Lake Nutrient TMDL Data Collection, Clear Lake, CA. This 3-Year project involved monitoring station site selection and installation, and developing a storm water sampling and analysis plan for collecting representative flow weighted composite samples for the Clear Lake Phosphorous TMDL. Overall monitoring support was provided to achieve program goals by updating the sampling and analysis plan according to the CalTrans Guidance Manual – Storm Water Monitoring Protocols; storm sampling; observing storm water runoff characteristics during storm events; and assistance in production of Post-Storm Technical Memorandums (PSTMs).

CalTrans Clear Lake and San Francisco TMDL Water Quality Monitoring, California. Mr. Meronek performed stormwater monitoring, observations, and sample collection for characterization of CalTrans runoff of different elevated highway segments and conditions. He coordinated stormwater equipment mobilization with CSUS OWP, whereby heavy metals, hydrocarbons, pathogens, and sediment removal efficiencies are tracked and reported annually. Flow weighted composite samples were collected with Hach/Sigma automated samplers, rain gauges, and telemetry. Boots-on-the-ground grab samples were collected in tandem/parallel for additional analysis. All laboratory analytical samples were analyzed for over 16 separate constituents during the TMDL reporting efforts.

NPDES/Other

Mr. Meronek is a Qualified SWPPP Practitioner and Qualified SWPPP Developer under the California General Permit (CGP). He has also performed numerous projects under the CalTrans Statewide

General Permit, including road runoff constituent characterizations, ASBS, and 303d/TMDL projects. His project experience also includes the use of automated/telemetry-based sampling equipment, which includes hydrograph-modeling, and flow-weighted composite sampling and analysis. He has extensive stormwater experience using AutoCad, ArcView/GIS/GPS, and with those resources has worked on large-scale watershed assessments, HUC-8/10 receiving water TMDL/303d impairments, flow-weighted stormwater inventories, Drainage/Time of Concentration/Peak Flow calculations and runoff characterizations for public and private clients. He has performed storm water training at multiple facilities, and draws from myriad training resources, including CASQA, U.S. EPA, and MSGP guidance documents, enforcement/inspection case studies, and others to present relevant classroom site scenarios and pollution source and BMP assessments. He consistently assists and trains dischargers on registration, NOIs, NECs, PRDs, WDIDs, PET/CDF data uploads, annual reports, and SWPPP certifications and amendments.

Publications and Presentations

Meronek, Jonathan J., A New ERA in Industrial Stormwater Regulation: Considerations, Strategies and Lessons Learned for NPDES Regulated Industrial Dischargers under the “Exceedance Response Action,” Conference Proceedings, 18th Annual Stormwater Conference (StormCon) North America Symposium and Conference, Denver, CO, August 2018.

Meronek, Jonathan J., Recent Developments and Emerging Trends in State and Federal Industrial Stormwater Regulation: The Potential Future Implications for Stormwater Management and Compliance for Dischargers at Industrial Facilities, Conference Proceedings, 17th Annual Stormwater Conference (StormCon) North America Symposium and Conference, Seattle, WA, September 2017.

Meronek, Jonathan J., Compost Operations and Stormwater Management: Navigating the Complex Waterscape of Water Quality Regulations, Conference Proceedings, 25th Annual U.S. Composting Council (USCC) of North America Symposium, Los Angeles, CA, January 2016.

Meronek, Jonathan J., The Industrial General Permit: Completing Level 1 ERA Reports and a Look Ahead at Level 2 ERA Reporting, Conference Proceedings, 33rd Annual Industrial Environmental Association Symposium and Conference, San Diego, CA, October 2016.

Meronek, Jonathan J., New Rules, New Tools: Stormwater Management and Compliance Using Mobile and Cloud-Based Solutions for Landfills and Other Solid Waste Facilities under the New California Industrial General Permit, Conference Proceedings, 16th Annual Stormwater Conference (StormCon) North America Symposium and Conference, Indianapolis, IN, August 2016.