

**JOSEPH CREA**  
**Environmental Compliance Specialist**

*Summary of Experience*

Mr. Crea has been involved in the Erosion and Sediment Control Industry for over 17 years. Mr. Crea served within the local regulatory sector in New Jersey and Pennsylvania for a combined total of 8 years. His work entailed serving as a Conservation District Manager, reviewing erosion and sediment control plans, and inspecting construction sites that included state and local highway development.

He also served as the lead soil and water resource specialist for numerous NEPA and CEQA projects with the most notable project being a Soil and Water Resources Technical Lead for the California Energy Commission. He also provided consulting services related to the California and Colorado NPDES permitting systems for clients that included Caltrans, Colorado Department of Transportation (CDOT), major developers, various state/local agencies and private entities. The majority of his NPDES work in CA involved numerous contracted training courses for the Caltrans Construction NPDES program and Standard MS4 Phase I and II communities (Public Outreach/Involvement and Construction elements). Mr. Crea's Colorado work included the development of Storm Water Management Plans (SWMPS) for CDOT with a focus on practical and cost effective BMP approaches, MS-4 Phase II program auditing, privileged and confidential storm water compliance inspections/trainings and construction management related to BMP installation and maintenance for the oil and gas industry. Prior to becoming a consultant in Colorado, Mr. Crea was hired as the National Stormwater Compliance Director for large homebuilder where he was responsible for developing a national stormwater program based on overall compliance, training, and budget due to a Consent Decree promulgated by the EPA.

*Education*

BS, Soils / Environmental Science. Delaware Valley College, 1994

*Project Experience*

The following is a representative selection of Joseph Crea's project experience.

**Consulting**

*Stormwater Program Manager, LT Environmental, Inc., Arvada, Colorado - From 11/8/2008 To 6/5/2009*

Managed and mentored an inter-office stormwater staff of approximately 8 personnel, resulting in increased knowledge and efficient work products related to local and state stormwater regulations. Conducted cost analyses with staff members for respective clients regarding stormwater product and installation costs, resulting in a 40 percent cost reduction for one given client. Provided technical support to various client managers and their respective clientele regarding local and state stormwater regulations that resulted in attaining and/or maintaining compliance within the oil and gas industry. Conducted

marketing for various public Municipal Separate Stormwater Systems (MS-4) and private construction sectors within the transportation industry related to soil and water resources.

*Water Quality Manager, Denver, Colorado - From 1/05/2008 To 11/05/2008*

Audited stormwater quality programs related to Oil and Gas operations and developed Stormwater Management Plans (SWMPs) for the Colorado Department of Transportation that resulted in practical and cost effective Best Management Practices (BMPs) and compliance with stormwater regulations. Conducted MS-4 audits for Phase II traditional programs and provided recommendations resulting in compliance with state permitting requirements. Conducted an initial stormwater program review and provided recommendations for the Federal Highway Administration (FHWA) Federal Lands Highway (FLH) Divisions which will assist the FLH for future program redevelopment. Conducted Internal Technical Reviews (ITRs) and training for the Water Resources and Environmental Departments resulting in practical and cost effective stormwater approaches and more efficient subsequent work products for given clients.

*Environmental Scientist, Sacramento, California - From 06/01/2003 To 12/29/2004*

Oversaw daily operations of a satellite office that included marketing stormwater services to local and private entities and networking with other company offices. Conducted over 100 training events for government agencies, developers, contractors, and other entities. A key training contract regarding stormwater quality was with the Caltrans Construction Division resulting in program compliance. Reviewed and prepared Stormwater Pollution Prevention Plans (SWPPPs), conducted site inspections and water quality sampling/analysis as applicable for both the public and private sectors. Assisted staff members with the development of a Non-Traditional MS-4 Storm Water Management Plan (SWMP) related to construction and post-construction BMPs.

*Associate Environmental Scientist, Aspen Environmental Group - From 04/01/2000 To 03/01/2003*

Prepared Soil and Water technical reports, supervised specific soil and water resource personnel, and testified as an expert witness in accordance with California Environmental Quality Act (CEQA) requirements to assess water and soil resource impacts of energy resource utilization and electrical power plant siting projects for 15 proposed power plants. Oversaw power plant project compliance for soil and water resources that entailed the review of SWPPPs, Erosion and Sediment Control plans, conducting site inspections, and troubleshooting as applicable required to comply with Conditions of Certification.

## **Government**

*District Manager, Berks County Conservation District, Leesport, PA - From 09/01/2009 To 04/29/2011*

Managed an environmental team based on a political subdivision of the state government of Pennsylvania related to programs regarding the following: Watershed Specialists, West Nile Virus, Agriculture Technicians, Erosion and Sediment Control Technicians, and Administrative staff.

*Watershed Coordinator, Schuylkill County Conservation District, Pottsville, Pennsylvania - From 04/1999 To 03/2000*

Served as the Conservation District's watershed liaison and coordinated with approved county watershed organizations and other entities. This position also entailed administering the Dirt and Gravel Roads Program, water quality sampling and monitoring, stream electro-shocking, and planning/implementing the application of active and passive acid mine abatement systems that resulted in the improvement of aquatic ecosystems. Administered the National Pollutant Discharge Elimination System (NPDES) permitting program for stormwater discharges from construction activities which entailed the following: reviewing erosion and sediment control plans for adequacy, meeting with designers to discuss the scope of their plans based on state regulations, inspecting earthmoving activities to verify proper installation and maintenance of the erosion and sediment pollution control measures as specified in the plans, and providing technical recommendations as applicable which resulted in assisting engineers/contractors comply with state regulations.

*Erosion and Sedimentation Pollution Control Specialist, Berks County Conservation District, Leesport, Pennsylvania - From 12/01/1996 To 03/11/1999*

Reviewed and processed NPDES General Permits which entailed the following: reviewing erosion and sediment control plans, inspecting all potential projects prior to review, meeting with designers to discuss the scope of their plans based on state regulations, and providing sound technical recommendations as applicable resulting in increased compliance throughout the construction and engineering industries. Conducted workshops and other educational programs for contractors, developers, engineers and municipal officials involved in earthmoving projects.

*Field Inspector, Hunterdon County Soil Conservation District, Flemington, New Jersey - From 07/01/1994 To 11/01/1996*

Performed site inspections and drafted site inspection letters. Conducted educational seminars.

### **Commercial**

*Environmental Compliance Specialist - From 7/22/11 To 7/22/11*

Conducted Internal Review of Erosion and Sediment Control Plans for a "Big Box" client. This review process entailed the review of state stormwater regulations, coordination with project designer(s) and providing practical and cost effective recommendations as applicable.

*Environmental Compliance Specialist - From 07/22/2011 To 07/22/2011*

Conducted Internal Review of Erosion and Sediment Control Plans for a "Big Box" client. This review process entailed the review of state stormwater regulations, coordination with project designer(s) and providing practical and cost effective recommendations as applicable.

## **Oil and Gas**

*Environmental Compliance Specialist - From 07/18/2011 To 07/25/2011*

Conducted Post Construction Stormwater Inspection of a gathering line route to assess project conditions related to permit requirements. Provided a report of inspection results along with recommendations as applicable.

*Environmental Compliance Specialist - From 7/21/11 To 7/26/11*

Conducted Post Construction Stormwater Inspection of a gathering line route to assess project conditions related to permit requirements. Provided a report of inspection results along with recommendations as applicable.

*Environmental Compliance Specialist - From 7/25/11 To 8/02/11*

Conducted Post Construction Stormwater Inspection of a gathering line route to assess project conditions related to permit requirements. Provided a report of inspection results along with recommendations as applicable.

*Environmental Compliance Specialist - From 08/05/2011 To 0/12/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed gathering line. This review process entailed a site assessment with the project designer to identify areas of concern to consider during the design process, plan review, and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/05/2011 To 08/12/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed gathering line. This review process entailed a site assessment with the project designer to identify areas of concern to consider during the design process, plan review, and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/05/2011 To 08/08/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed gathering line. This review process entailed plan review and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/17/2011 To 08/22/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed gathering line. This review process entailed plan review and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/12/2011 To 08/12/2011*

Conducted a preliminary site assessment in conjunction with the biology team to assist the client in determining an appropriate location for a gathering line crossing at a regulated stream. The determining factors considered during the assessment included steep slopes, historical hydrologic conditions, geofluvial conditions, wetlands, and potential visual impacts to the property owner.

*Environmental Compliance Specialist - From 08/22/2011 To 08/23/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed gathering line. This review process entailed plan review and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/25/2011 To 08/26/2011*

Conducted Internal Review of Erosion and Sediment Control Plans, Post Construction Stormwater Management Plans, and Pennsylvania State General Permits for Stream and Wetland Impacts related to a proposed well line, compressor station, and discharge system. This review process entailed plan review and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

*Environmental Compliance Specialist - From 08/29/2011 To 08/30/2011*

Conducted Internal Review of Erosion and Sediment Control Plan and Post Construction Stormwater Management Plans related to a proposed well line. This review process entailed plan review and comments/recommendations to meet regulatory requirements from a practical and cost effective approach.

### **Private-Land Development/Homebuilding**

*National Stormwater Compliance Director, Richmond American Homes, Denver, Colorado - From 01/15/2005 To 10/07/2007*

Developed a company-wide stormwater program via participation in a Consent Decree process with the US Department of Justice, Environmental Protection Agency, internal and external counsel and third party affiliates resulting in an approved company-wide stormwater program. Oversaw and managed all Regional and Divisional operations and stormwater staff related to compliance and budgets resulting in an 85 to 90 percent increase in company-wide compliance and a 50 percent budget reduction, respectively. Part of these operations included nation-wide quality assurance audits and the development/implementation of training and certification programs for internal and external personnel.

### ***Seminars/Training***

*Erosion and Sediment Control*, Classroom. International Erosion Control Association. Practical Approaches for Erosion and Sediment Control. . Length: 1 day. Date Completed: 02/25/1997.

*Erosion and Sediment Control*, Classroom. International Erosion Control Association. Best Management Practices for Stream Crossings. . Length: 1 day. Date Completed: 09/14/1997.

*Erosion and Sediment Control*, Classroom. New Jersey Department of Environmental Protection. Hydrology/Hydraulics. . Length: > 6 months. Date Completed: 11/18/1995.

*Erosion and Sediment Control*, Classroom. Pennsylvania Department of Environmental Protection. Erosion and Sediment Control Plan Review. . Length: > 6 months. Date Completed: 12/15/1998.

*Water Quality*, Classroom. Water Quality Monitoring. . Length: 1 day. Date Completed: 09/29/1999.

*Wetland Studies*, Classroom. United States Army Corps of Engineers. Basic Wetland Delineation. . Length: 1 day - 1 week. Date Completed: 07/18/1999.

*Acid Mine Abatement*, Classroom. Schuylkill and Susquehanna Watershed Organizations. Active and Passive Treatment Systems for Acid Mine Drainage. . Length: 1 day. Date Completed: 09/06/1999.

*Geofluvial Morphology*, Classroom. University of California White Mountain Research Center. Introduction to Geofluvial Morphology. . Length: 1 day - 1 week. Date Completed: 09/22/2000.

*Environmental Policy*, Classroom. Private Law Firm. California Environmental Quality Act Short Course. . Length: 1 day - 1 week. Date Completed: 04/03/2001.

*Erosion and Sediment Control*, Classroom. Various Vendors. Synthetic Best Management Product Training. Training has been ongoing related to Geotextiles, Sediment Control Devices, Structural and Non-Structural Erosion Control that includes revegetation, and extensive work/study related to Hydraulic Applications. Length: > 6 months. Date Completed: 05/12/2009.

*Regulatory*, Classroom. Environmental Protection Agency/International Erosion Control Association. EPA Regulations (Construction and Phase II MS-4). Attended conferences where EPA was featured speaker. Length: 1 month - 6 months. Date Completed: 06/15/2008.

*Erosion and Sediment Control*, Classroom. Colorado Department of Transportation. Certified Erosion Control Supervisor. . Length: 1 day - 1 week. Date Completed: 03/23/2008.

*Erosion and Sediment Control*, Classroom. Colorado Department of Transportation. Certified Compliance Inspector. . Length: 1 day - 1 week. Date Completed: 04/13/2008.

*Erosion and Sediment Control*, Classroom. International Erosion Control Association. RUSLE II. . Length: 1 day - 1 week. Date Completed: 02/24/2007.

*Erosion and Sediment Control*, Classroom. San Diego State University/Western Chapter International Erosion Control Association. Channel Hydraulics. . Length: 1 day - 1 week. Date Completed: 06/18/2003.

*Phase II MS-4*, Classroom. California Stormwater Association. MS-4 Program Overview. . Length: 1 day - 1 week. Date Completed: 02/26/2004.

***Awards***

Outstanding Achievement Award  
2001 California Energy Commission  
Providing quality work within a short time frame during the California Energy Crisis