

Russell McLaren – Project Manager/Environmental Scientist

Summary

Mr. McLaren is a Project Manager/Environmental Scientist with GBM^c & Associates, Inc. He has over 20 years experience as a consultant while working with various industrial clients in the areas of water quality, field surveys, storm water management, environmental compliance/permitting, data quality review/validation and hazardous materials management. He has managed a variety of projects for several industrial facilities. These include SARA compliance and reporting, NPDES permitting and reporting, storm water permitting and plan preparation and field efforts involving multiple personnel and multiple media. Mr. McLaren has also led and functioned as a team member on environmental compliance audits and due diligence investigations. He has also been responsible for preparing training materials and conducting training classes involving environmental compliance for industrial facilities.

Education

1989 BS Environmental Health Sciences, University of Arkansas at Little Rock

Experience

Field Survey/Site Monitoring

As an environmental scientist, Mr. McLaren has been involved with the planning, executing, coordinating, and management of numerous field data collection activities and studies. His involvement has included the development of sampling plans for various water quality studies and storm sampling events.

He has collected data from a variety of media including ambient surface water (lakes, ponds, reservoirs, rivers and streams), process waste water, groundwater, storm water, sediments (stream and river), soils, and sludges. He has extensive experience with the use and calibration of a variety of field sampling equipment (i.e., flow meters, dissolved oxygen meters, conductivity meters, pH meters, temperature meters, various Hach kits, sediments dredges, soil sampling equipment, multi-probe meters and numerous models of automated samplers).

He has been responsible for coordinating multi-person sampling teams and multi-task sampling events. Mr. McLaren has successfully completed complex field investigations that encompass multi-layered spatial and temporal data collection efforts. He has also been responsible for the planning and the collection and the analysis of data at RCRA remediation sites. Mr. McLaren also has a practical and theoretical knowledge of a variety of laboratory methods and is responsible for coordinating with multiple facilities during projects for the collection and handling of samples as well as data interpretation.

Environmental Compliance/Permitting

Mr. McLaren has been responsible for preparing numerous NPDES permit applications for permit renewal, modification, and construction permits adhering to NPDES guidelines. He has also participated in projects that involved NPDES permitting issues such as use attainability analysis, site specific water quality standards modifications, wasteload allocation studies, and hydrograph controlled release investigations. He has also been responsible for negotiations with Environmental State Agencies involving permit requirements and limitations.

Mr. McLaren has worked extensively with NPDES storm water permitting issues. He has performed over 30 storm water site assessments and prepared site drainage maps to meet requirements for the NPDES storm water regulations. He has prepared and updated several Pollution Prevention Plans and Construction Pollution Prevention Plans for review and certification as required.

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Data Quality Review and Validation

Mr. McLaren has extensive hands on application of QA/QC protocols for the evaluation of collection, handling, and delivery of field samples. He coordinated and conducted a quality review and validation of data collected over a 5-year period from a RCRA remediation site. This quality review and validation included the review of field and survey notes for completeness and consistency, as well as a check of field control samples for adherence to appropriate protocols. Laboratory analyses and laboratory QA/QC data including surrogate recoveries, spikes, replicates, and blanks were evaluated during the preliminary validation process. A final validation was completed on the groundwater data to ensure data adheres to appropriate laboratory QA/QC data limits.

Professional Affiliations

Arkansas Environmental Federation