

# ***Jonathan Brown - Environmental Scientist***

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## ***Summary***

Mr. Brown is an Environmental Scientist with GBM<sup>c</sup> & Associates, Inc. and has six years experience in the environmental field. His experience includes water quality monitoring, ecological field studies, environmental compliance, environmental site assessments and laboratory analysis.

## ***Education***

2002 BS Microbiology, University of Arkansas

## ***Experience***

### **Soil and Water Quality Monitoring**

Mr. Brown has experience with the planning and execution of numerous field data collection activities and studies. He has experience in the use of various types of soil and water quality monitoring and sampling equipment including including: flow meters, dissolved oxygen meters, conductivity meters, pH meters, temperature meters, various Hach kits, sediments dredges, soil sampling equipment, multi-probe meters and automated samplers. Mr. Brown has collected data from a variety of media including process wastewater, ground water, storm water, surface water, sediments, soils, sludges, fish flesh, and air.

### **Environmental Compliance/Reporting**

Mr. Brown has several years experience in hazardous materials management and reporting. He has prepared SARA Title III reports including Section 311/312 (Tier I/II) inventory reports and Section 313 toxic chemical release reports (Form R) for various types of industrial clients.

Mr. Brown has been responsible for preparing NPDES permit applications for permit renewal, modification, and construction permits adhering to NPDES guidelines. Mr. Brown has also worked with NPDES storm water permitting issues. He has performed storm water site assessments and prepared site drainage maps to meet requirements for the NPDES storm water regulations. He has prepared and updated Pollution Prevention Plans and Construction Pollution Prevention Plans for review and certification as required.

Mr. Brown has prepared Spill Prevention, Control, and Countermeasure Plans for various industrial clients for review and certification as required. In an effort to minimize storm water pollution and prevent spills at the site, analysis of Best Management Practices (BMPs) were included in the plans.

### **Ecological/Field Studies**

Mr. Brown has experience in rapid bioassessments to evaluate the conditions of benthic macroinvertebrate and fish communities in lotic environments. In addition, he has performed habitat evaluations, looking at the potential community development.

### **Environmental Site Assessments**

Mr. Brown has completed numerous Phase I and Phase II Environmental Site Assessments according to ASTM Standards for various industrial and commercial clients.

### **Microbiology**

Mr. Brown has two years experience in a microbiology laboratory. He is proficient in techniques and equipment used for the identification and quantification of microorganisms including bacteria, fungi, and algae. He has performed these analyses from food, air, water, and surface swab samples. He also has experience in food microbiology and has been involved in shelf-life studies for several food products. Mr. Brown has been involved in product development studies related to the effects of biological contaminants on food, veterinary products, and building materials.

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