



**JoAnn Burns**  
**Senior Designer/Project Manager**

## **QUALIFICATIONS**

Ms. Burns, Senior Designer and Project Manager at CDW, has over 17 years experience in civil and environmental engineering, in both the public and private sector.

## **EXPERIENCE**

### **Environmental Investigation**

Ms. Burns has performed environmental assessments and subsurface investigations for various – sized parcels of land including linear projects with varied land uses. She has conducted historical research for due diligence assessments for real estate transactions. She has prepared subsurface investigation plans, supervised drilling and groundwater monitoring well installation, and has performed soil and groundwater sampling. She has supervised geophysical surveys and tank excavations. She has investigated sites contaminated with gasoline, fuel oil, and other petroleum compounds, heavy metals, volatiles, chlorinated solvents, PCBs, and pesticides. Also, she has studied groundwater flow regimes and conducted contaminant fate and transport models.

### **Remediation Design**

Ms. Burns has prepared design plans, specifications, and public bid documents for various remedial alternatives for soil and groundwater treatment and removal systems. In addition to preparing the design documents necessary for installation of a system, Ms. Burns has monitored the installation and operation of remedial treatment systems installed to mitigate the effects of hazardous material releases. Also, Ms. Burns has been responsible for installation confirmation including preparation of as-built design plans.

### **Brownfields**

Ms. Burns has been involved in brownfields sites from designer to site supervisor. She has worked on brownfields sites as the senior engineer for the design and preparation of public bid contract documents for groundwater pump and treatment, indirect thermal desorption and stabilization for US EPA regulated soil (TSCA/RCRA), and an engineered barrier - impervious cap. She has coordinated contractors to perform the work based on contract documents and confirmed that the work was performed satisfactorily on behalf of the Owner.

### **MCP Services and Reporting**

Ms. Burns has performed services to clients that fall under the MA DEP jurisdiction for hazardous waste site cleanup, specifically the Massachusetts Contingency Plan (MCP, 310 CMR 40.000). Ms. Burns has provided MCP services that include investigation and preparation of reports associated with: reporting a release or threat of a release (RNF), risk reduction measures (IRAs, URAMs, RAMs, LRAs), DEP oversight for disposal sites (Tier Classification), closure documents (RAOs and AULs), and comprehensive reporting such as Phase I, Phase II, and Phase III studies and Phase IV as-built documentation.

### **Land Development**

Ms. Burns has designed and managed site development projects for public sector, commercial and residential projects. Designs included roadways, lot configurations for residential and commercial subdivisions, building and parking lot layouts, stormwater management systems, and water and sewer utilities. She managed subconsultants in the areas of: traffic, survey, wetlands/resource areas, archaeology, historic preservation, geotechnical and others. She has designed subsurface sewage disposal systems for residential and commercial facilities. She supervised soil percolation tests and deep test holes. She has been responsible for presenting projects to local and state agencies.

### **Permitting**

Ms. Burns has coordinated permitting that included the preparation of federal, state and local permit applications for projects involving remediation, resource protection, wetlands, historical resources, hazardous waste management, and land development. She has prepared permit applications under the Massachusetts Wetlands Protection Act, and the National Pollutant Discharge Elimination System; and, she has represented clients for meetings with local, state and federal agencies.

### **CERTIFICATIONS**

OSHA 8-hour Site Supervisor Training  
OSHA 40-hour HAZWOPER Training  
International Atomic Energy Agency Radiation Safety Training

### **EDUCATION**

Bachelor of Geological Engineering (minor Petroleum Engineering), NM Institute of Mining and Technology, New Mexico  
Groundwater and Contamination Course, Princeton University  
Groundwater Modeling Course, Princeton University  
Remediation Course, Princeton Groundwater

### **AFFILIATIONS**

Women's Transportation Seminar  
Society of Women Environmental Professionals